

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053287.D
 Acq On : 4 Jan 2019 18:09
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:06 AM

Quant Time: Jan 07 09:32:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:27:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	897321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1354670	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1225608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	569672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	189060	20.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.16%	
35) Dibromofluoromethane	7.59	113	152071	19.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.68%	
50) Toluene-d8	10.09	98	686679	20.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.54%	
62) 4-Bromofluorobenzene	12.40	95	234293	20.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	162881	19.994	ug/l	98
3) Chloromethane	2.06	50	216175	20.021	ug/l	100
4) Vinyl Chloride	2.19	62	210161	19.918	ug/l	100
5) Bromomethane	2.57	94	132372	20.008	ug/l	100
6) Chloroethane	2.71	64	124221	20.272	ug/l	98
7) Trichlorofluoromethane	3.02	101	267534	20.112	ug/l	98
8) Diethyl Ether	3.41	74	102773	19.299	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	169059	20.208	ug/l	99
10) Methyl Iodide	3.96	142	227743	18.365	ug/l	99
11) Tert butyl alcohol	4.78	59	55547	93.186	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	163768	19.784	ug/l	98
13) Acrolein	3.61	56	62573	91.949	ug/l	98
14) Allyl chloride	4.33	41	267981	20.681	ug/l	94
15) Acrylonitrile	4.99	53	329139	96.798	ug/l	100
16) Acetone	3.82	43	225497	99.347	ug/l	100
17) Carbon Disulfide	4.06	76	493371	19.540	ug/l	99
18) Methyl Acetate	4.33	43	150133	19.333	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	451170	19.274	ug/l	98
20) Methylene Chloride	4.55	84	191021	20.047	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	177083	19.935	ug/l	97
22) Diisopropyl ether	5.95	45	570956	19.658	ug/l	97
23) Vinyl Acetate	5.90	43	1775490	95.126	ug/l	99
24) 1,1-Dichloroethane	5.85	63	323134	19.465	ug/l	99
25) 2-Butanone	6.83	43	367056	96.218	ug/l	98
26) 2,2-Dichloropropane	6.83	77	233757	19.492	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	200830	19.583	ug/l	99
28) Bromochloromethane	7.20	49	143706	19.476	ug/l	100
29) Tetrahydrofuran	7.21	42	246848	97.083	ug/l	98
30) Chloroform	7.37	83	319819	19.659	ug/l	99
31) Cyclohexane	7.66	56	312970	19.991	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	264637	19.467	ug/l	100
36) 1,1-Dichloropropene	7.80	75	247933	19.779	ug/l	99
37) Ethyl Acetate	6.93	43	163311	19.584	ug/l	100
38) Carbon Tetrachloride	7.78	117	228315	19.483	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	290913	19.865	ug/l	98
40) Benzene	8.04	78	761664	19.769	ug/l	100
41) Methacrylonitrile	7.19	41	105365m	22.168	ug/l	
42) 1,2-Dichloroethane	8.13	62	228082	20.148	ug/l	99
43) Isopropyl Acetate	8.17	43	295583	19.621	ug/l	99
44) Trichloroethene	8.84	130	208191	19.820	ug/l	97
45) 1,2-Dichloropropane	9.12	63	200953	19.887	ug/l	100
46) Dibromomethane	9.21	93	116686	19.587	ug/l	100
47) Bromodichloromethane	9.40	83	241560	19.665	ug/l	99
48) Methyl methacrylate	9.20	41	143878	19.072	ug/l	99
49) 1,4-Dioxane	9.20	88	31424	359.678	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	814407	97.228	ug/l	99
52) Toluene	10.16	92	477496	19.834	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	243338	18.821	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	288723	19.354	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	171982	19.897	ug/l	98
56) Ethyl methacrylate	10.43	69	221200	18.651	ug/l	99
57) 1,3-Dichloropropane	10.71	76	290936	19.917	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	619852	97.824	ug/l	100
59) 2-Hexanone	10.75	43	557918	96.141	ug/l	100
60) Dibromochloromethane	10.90	129	184166	19.060	ug/l	100
61) 1,2-Dibromoethane	11.01	107	168993	19.307	ug/l	98
64) Tetrachloroethene	10.63	164	231710	19.903	ug/l	98
65) Chlorobenzene	11.43	112	519968	19.524	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	183105	19.494	ug/l	98
67) Ethyl Benzene	11.51	91	888839	19.298	ug/l	100
68) m/p-Xylenes	11.62	106	683484	38.930	ug/l	99
69) o-Xylene	11.95	106	330134	19.404	ug/l	100
70) Styrene	11.96	104	542073	19.229	ug/l	100
71) Bromoform	12.13	173	126615	18.659	ug/l #	100
73) Isopropylbenzene	12.25	105	864474	20.025	ug/l	100
74) N-amyl acetate	12.07	43	251067	19.045	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	192399	20.134	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	162326m	20.063	ug/l	
77) Bromobenzene	12.53	156	229201	20.302	ug/l	98
78) n-propylbenzene	12.59	91	973818	19.785	ug/l	99
79) 2-Chlorotoluene	12.68	91	590464	20.307	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	700177	20.143	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54364	18.027	ug/l	95
82) 4-Chlorotoluene	12.77	91	592198	19.871	ug/l	99
83) tert-Butylbenzene	12.99	119	604411	20.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	703615	19.860	ug/l	99
85) sec-Butylbenzene	13.17	105	804432	20.090	ug/l	100
86) p-Isopropyltoluene	13.29	119	691589	19.674	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	388524	19.675	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	384205	19.704	ug/l	99
89) n-Butylbenzene	13.62	91	561353	19.290	ug/l	98
90) Hexachloroethane	13.88	117	106738	19.058	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	371017	19.805	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24075	19.264	ug/l	99

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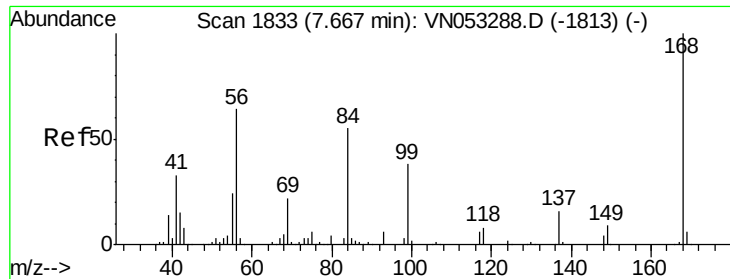
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116752	18.807	ug/l	99
94) Hexachlorobutadiene	15.01	225	97426	19.797	ug/l	99
95) Naphthalene	15.13	128	194304	18.032	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	75027	18.788	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tot Ion: 168 Resp: 897321

Ion Ratio Lower Upper

168 100

99 49.0 39.1 58.7

Instrument :

MSVOA_N

ClientSampleId :

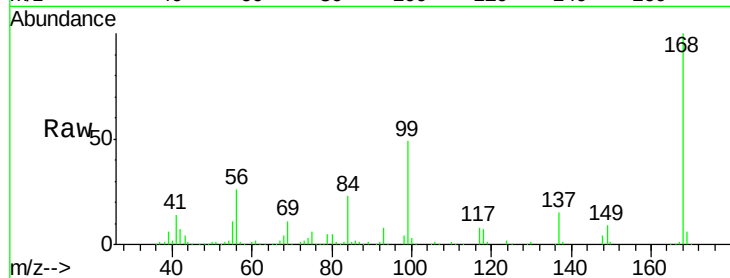
VSTDIC020

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

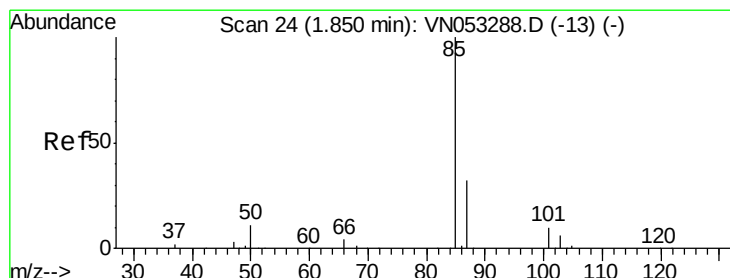
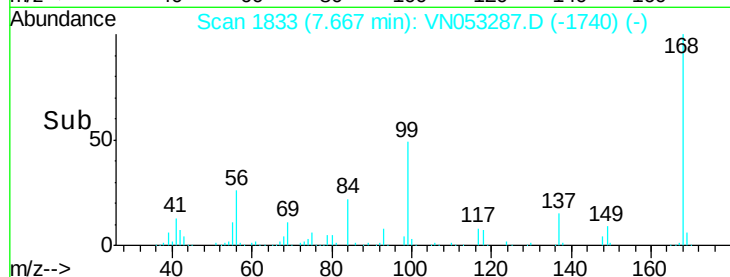
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.994 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053287.D

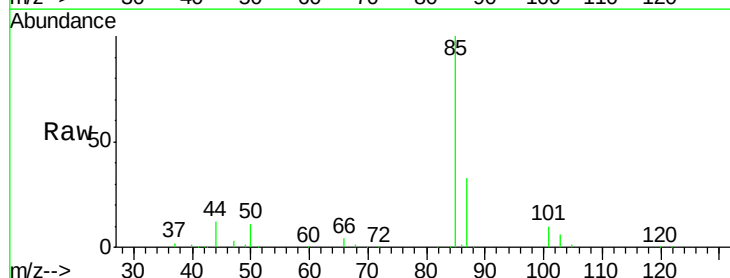
Acq: 4 Jan 2019 18:09

Tgt Ion: 85 Resp: 162881

Ion Ratio Lower Upper

85 100

87 33.0 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

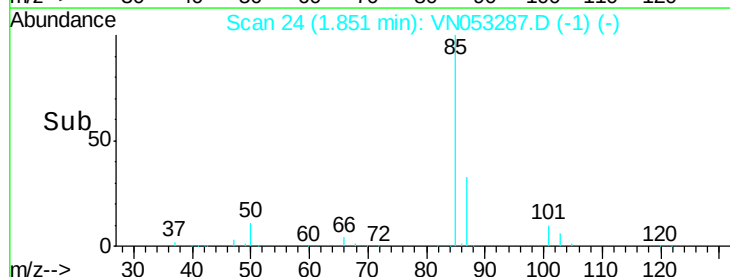
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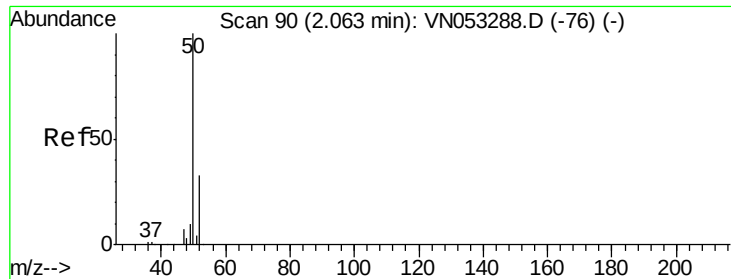
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.021 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 216175

Ion Ratio Lower Upper

50 100

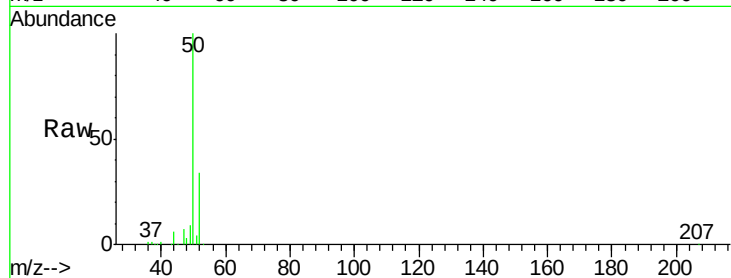
52 33.5 26.6 40.0

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

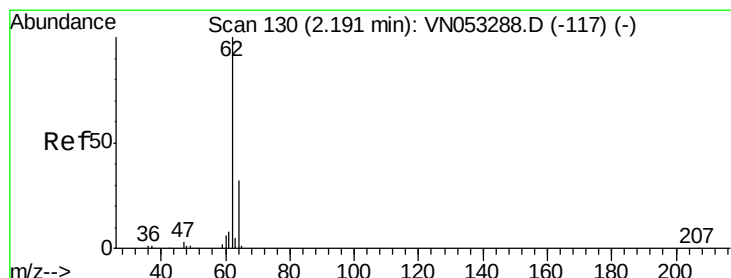
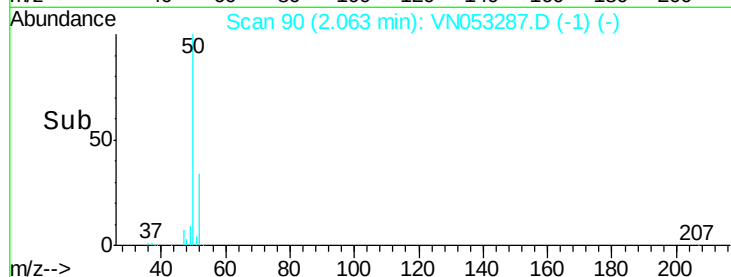
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 19.918 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053287.D

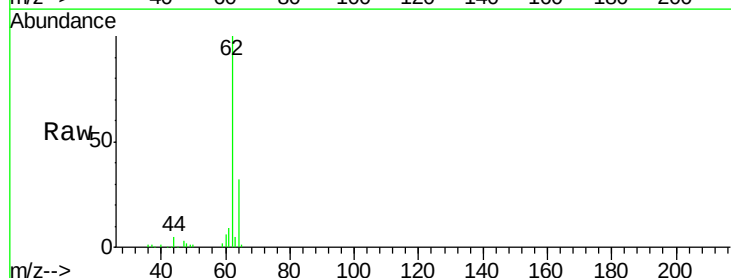
Acq: 4 Jan 2019 18:09

Tgt Ion: 62 Resp: 210161

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

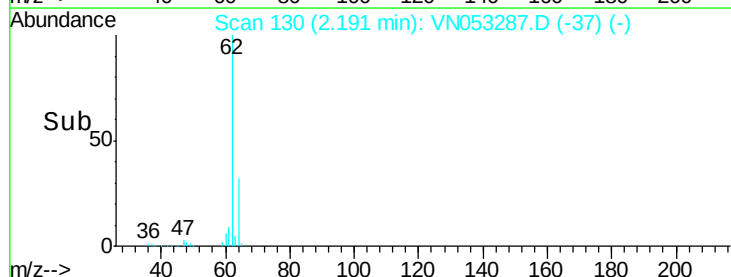
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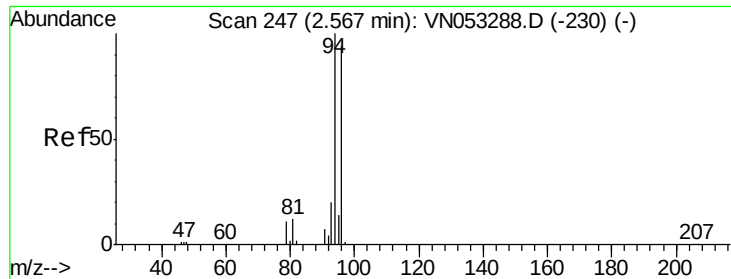
100000

50000

0

Time-->





#5

Bromomethane

Concen: 20.008 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 132372

Ion Ratio Lower Upper

94 100

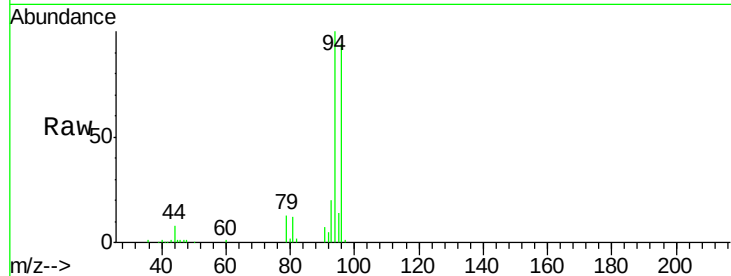
96 93.6 74.9 112.3

Manual Integrations

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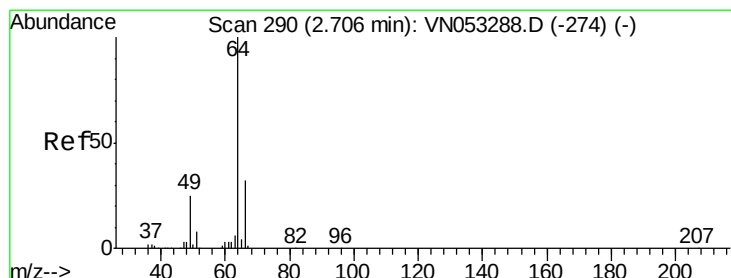
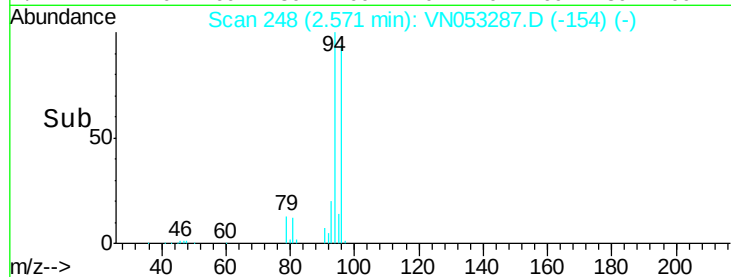
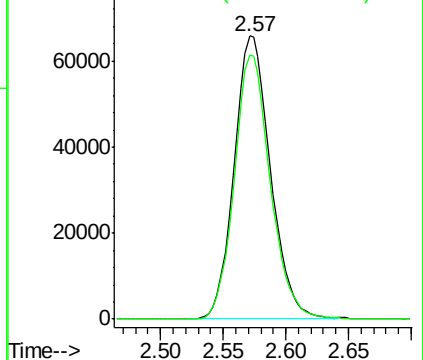
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.272 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053287.D

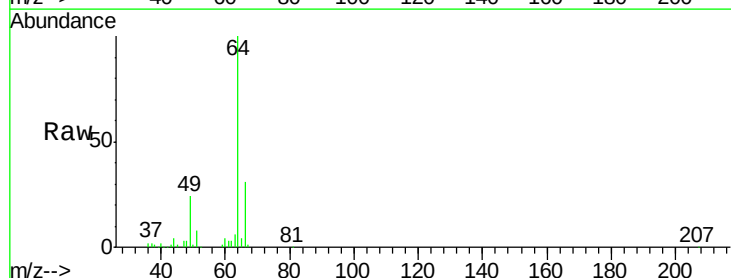
Acq: 4 Jan 2019 18:09

Tgt Ion: 64 Resp: 124221

Ion Ratio Lower Upper

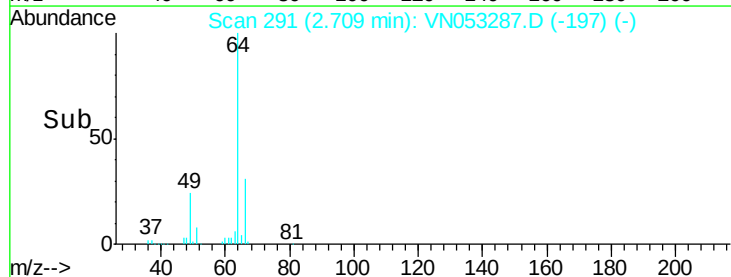
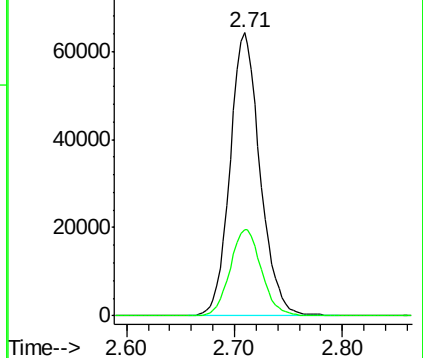
64 100

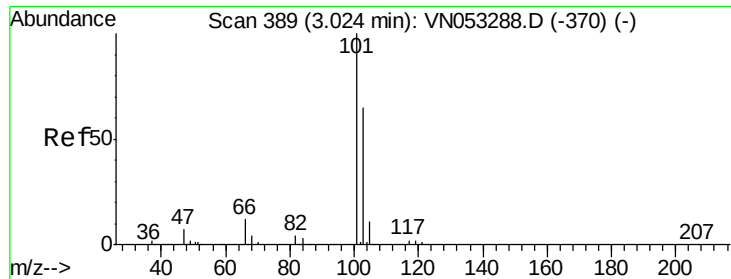
66 30.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

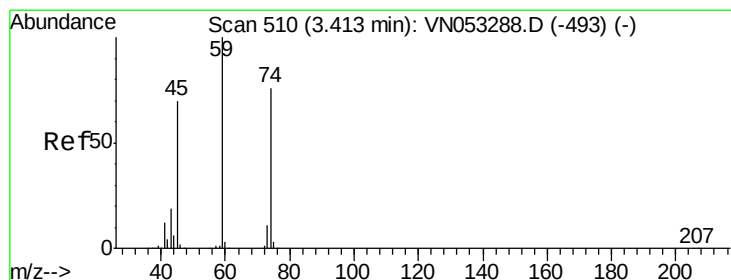
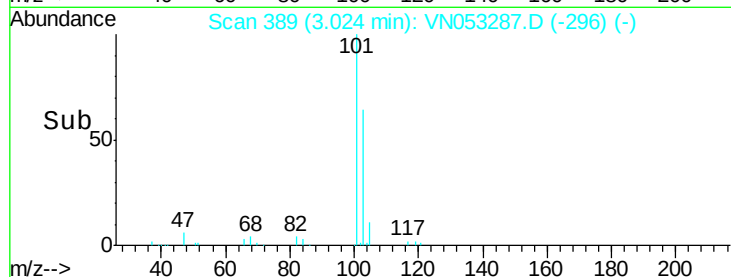
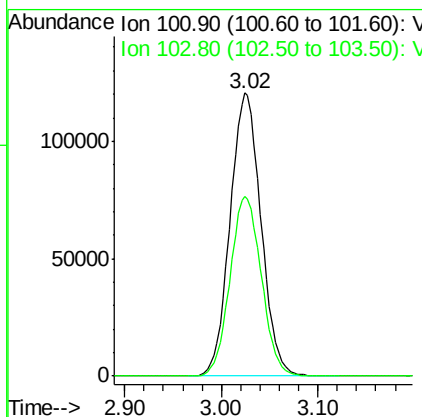
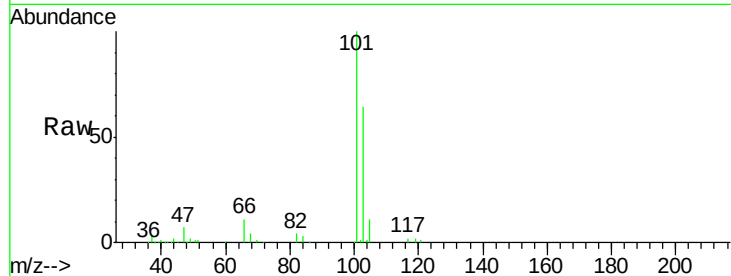
Trichlorofluoromethane
 Concen: 20.112 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.1	78.1

Manual Integrations
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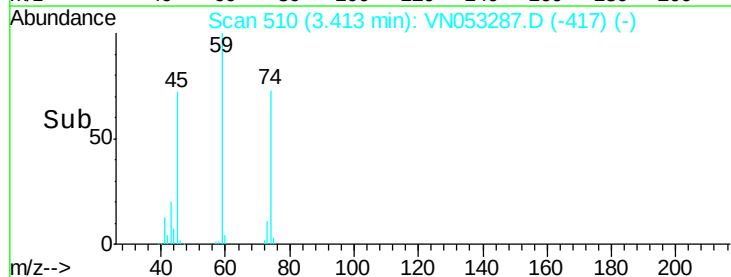
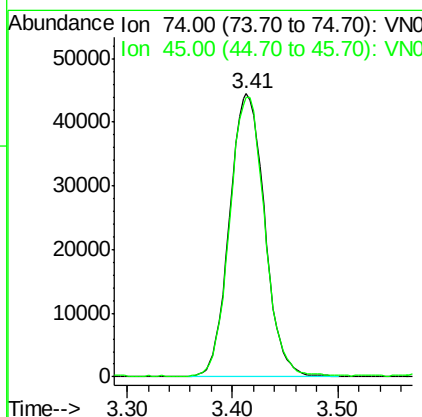
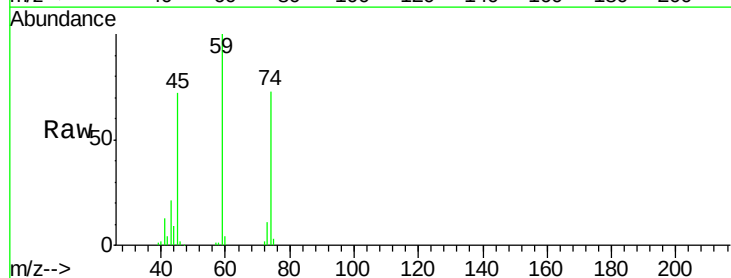
MMDadoda
 1/8/2019 10:24:06 AM

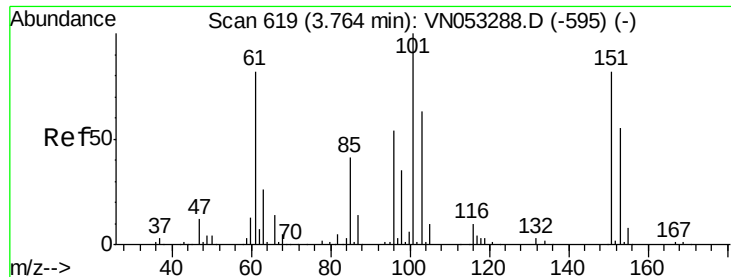


#8

Diethyl Ether
 Concen: 19.299 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.208 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

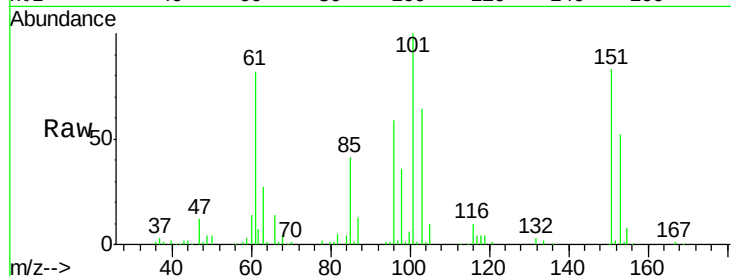
ClientSampled :

VSTDIC020

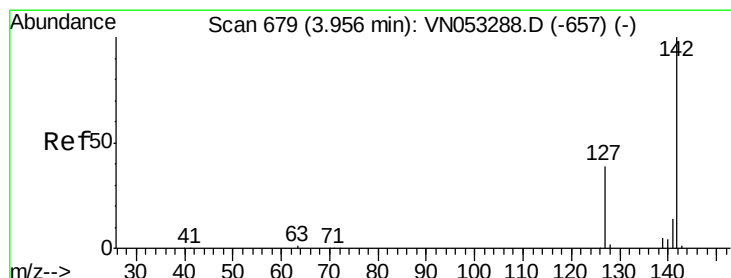
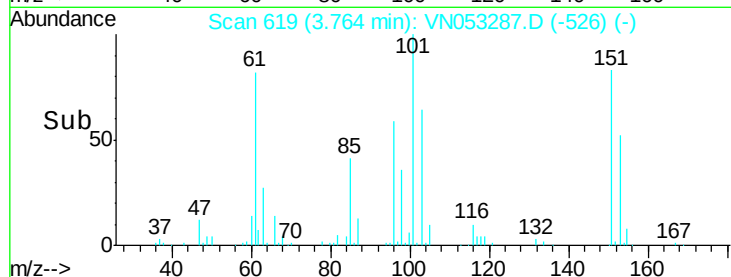
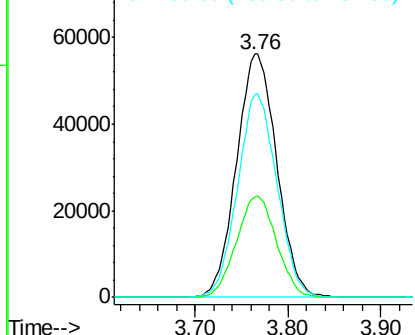
Tot Ion:	101	Resp:	169059
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.3	49.9
151	82.2	67.0	100.4

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



#10

Methyl Iodide

Concen: 18.365 ug/l

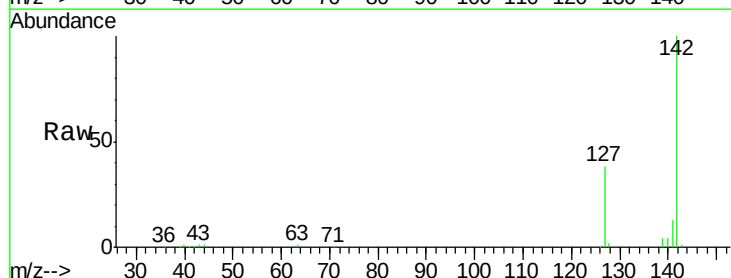
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

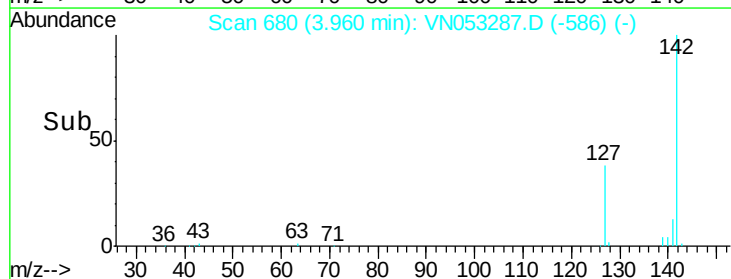
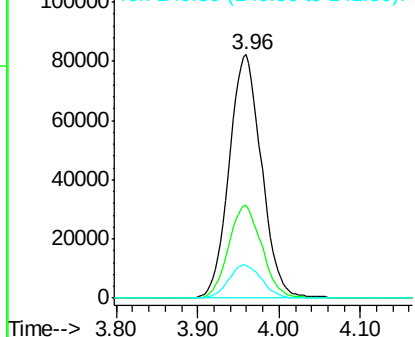
Lab File: VN053287.D

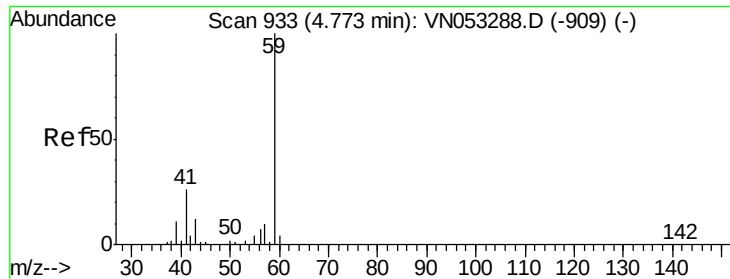
Acq: 4 Jan 2019 18:09

Tgt Ion:	142	Resp:	227743
Ion Ratio	Lower	Upper	
142	100		
127	39.0	30.9	46.3
141	13.9	11.2	16.8



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





#11

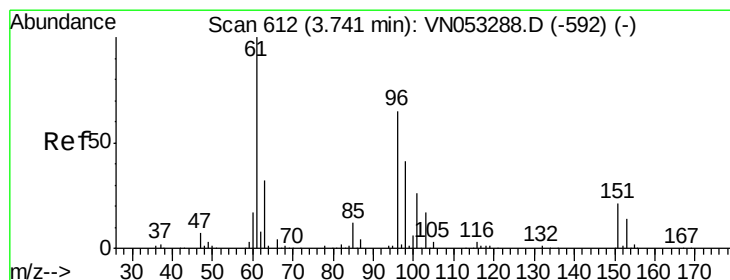
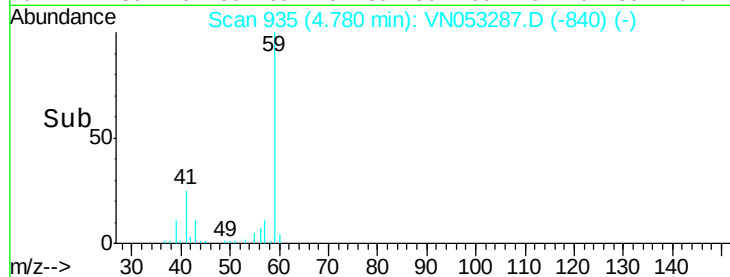
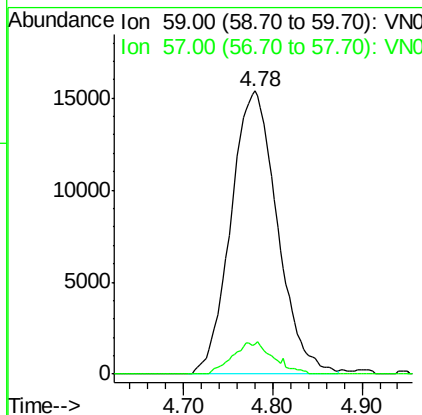
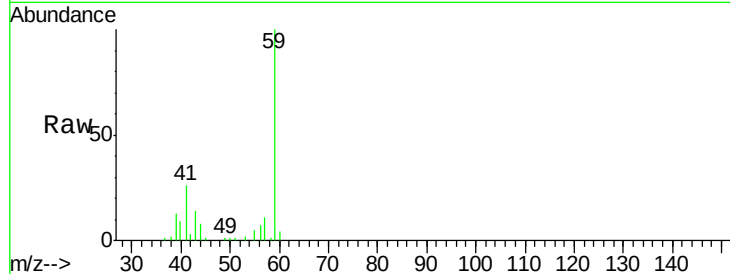
Tert butyl alcohol
Concen: 93.186 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	8.0	12.0#

Manual Integrations
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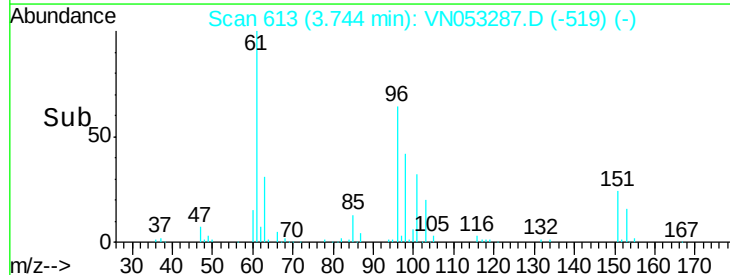
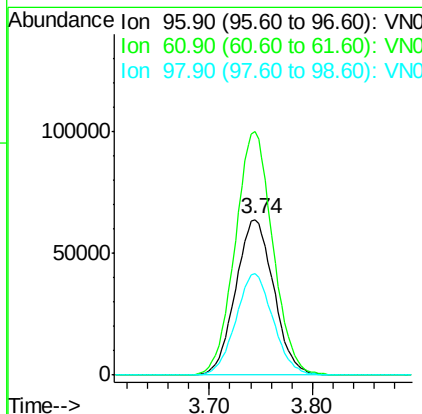
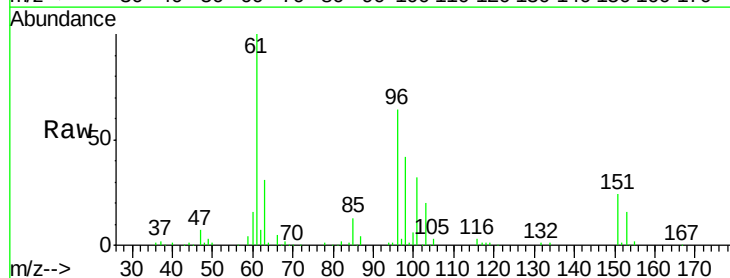
MMDadoda
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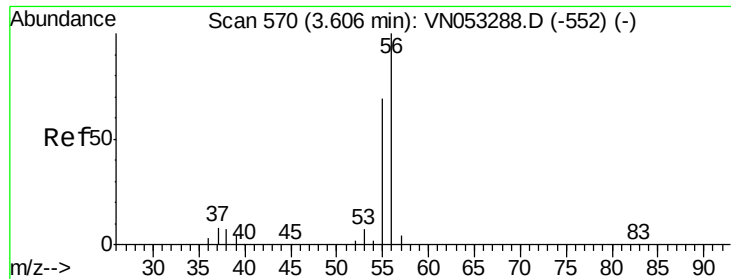


#12

1,1-Dichloroethene
Concen: 19.784 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.6	123.2	184.8
98	65.0	50.5	75.7





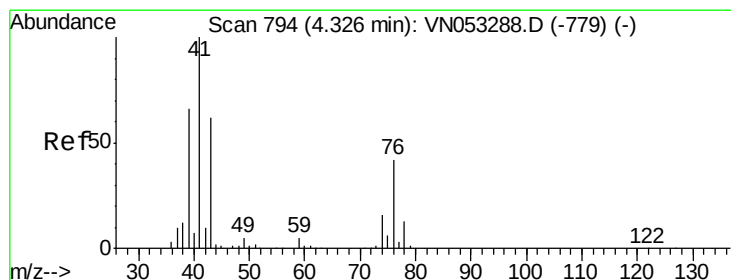
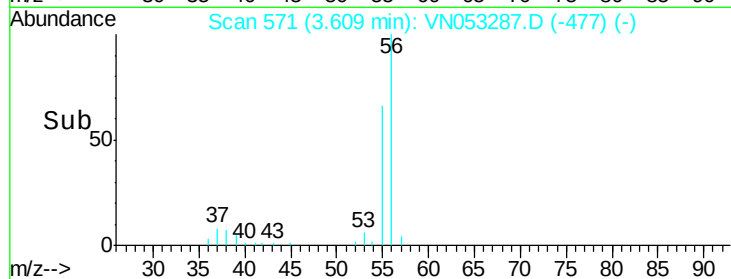
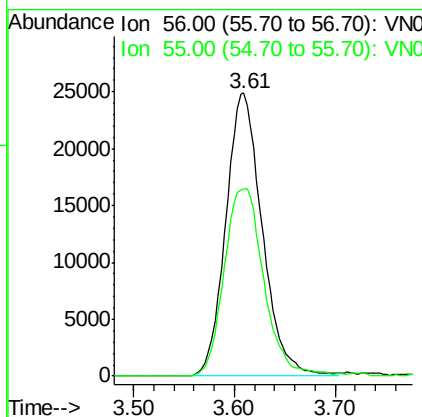
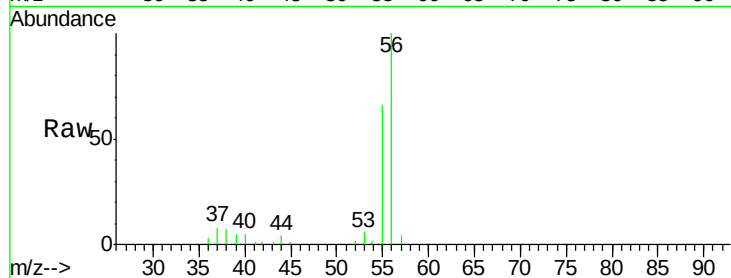
#13
Acrolein
Concen: 91.949 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	56	55	Resp	Lower	Upper
62573	100	72.2		56.3	84.5

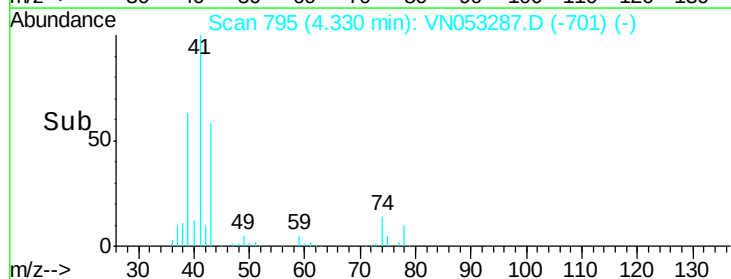
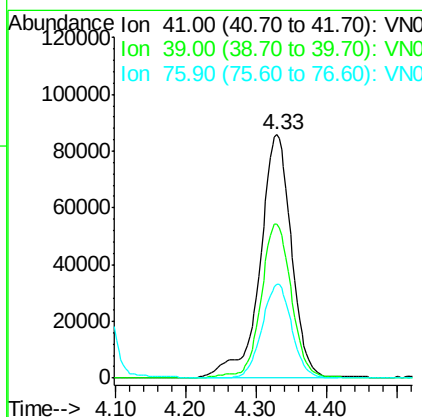
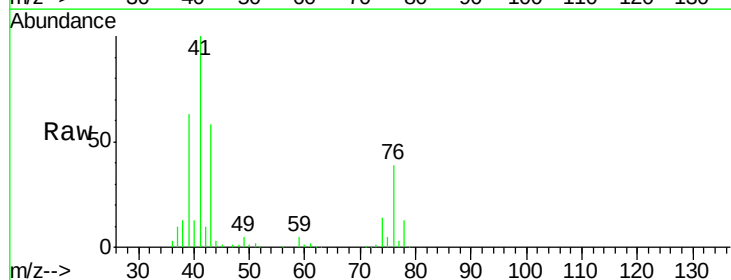
Manual Integrations
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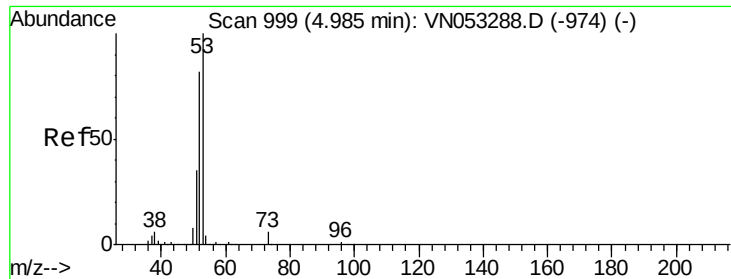
MMDadoda
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#14
Allyl chloride
Concen: 20.681 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	41	39	76	Resp	Lower	Upper
267981	100	59.5	36.3		51.9	77.9





#15

Acrylonitrile

Concen: 96.798 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

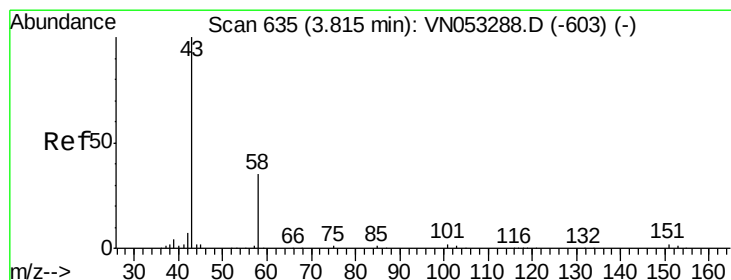
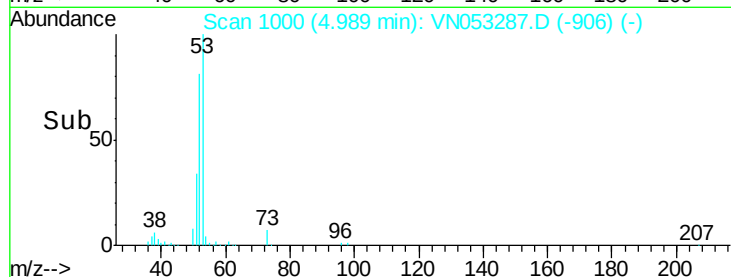
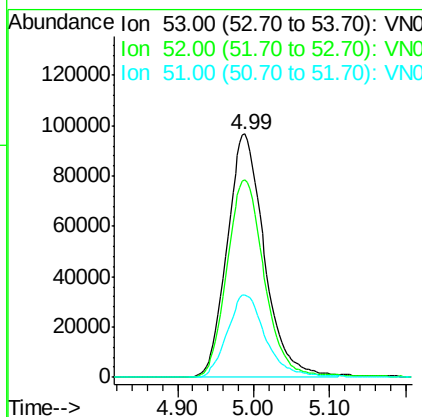
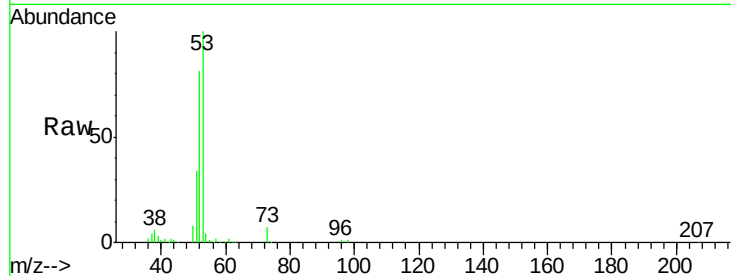
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	329139
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.2	97.8
51	34.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 99.347 ug/l

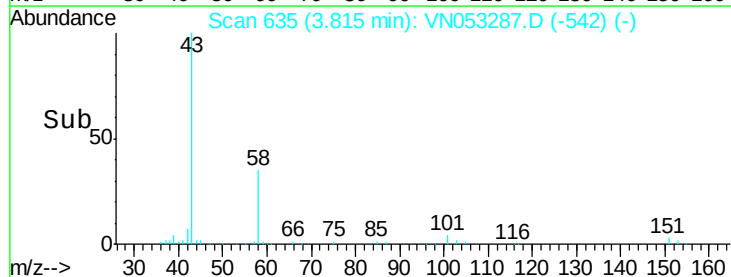
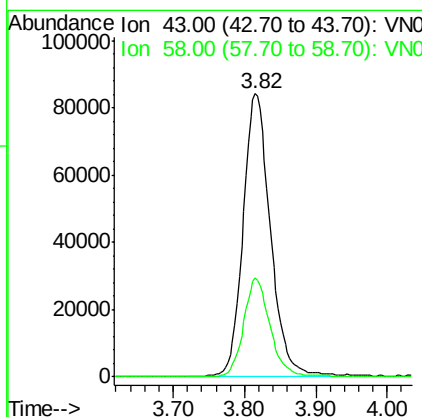
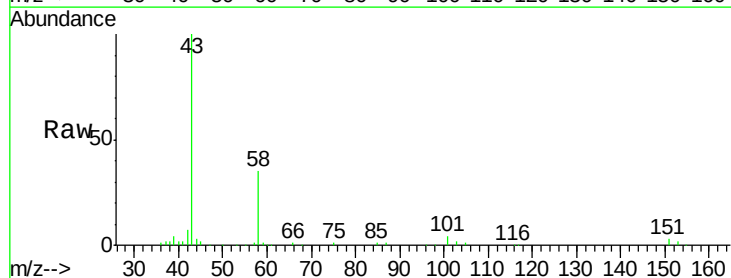
RT: 3.82 min Scan# 635

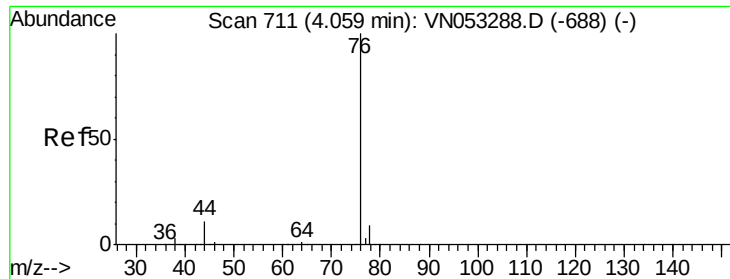
Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tgt Ion:	43	Resp:	225497
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.6





#17

Carbon Disulfide

Concen: 19.540 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tot Ion: 76 Resp: 493371

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

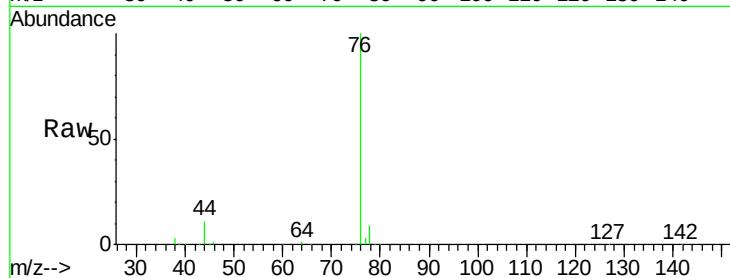
VSTDIC020

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

200000

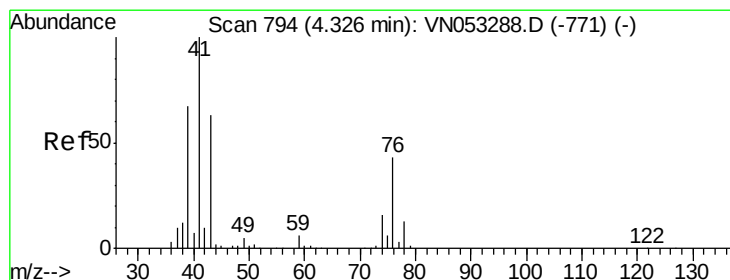
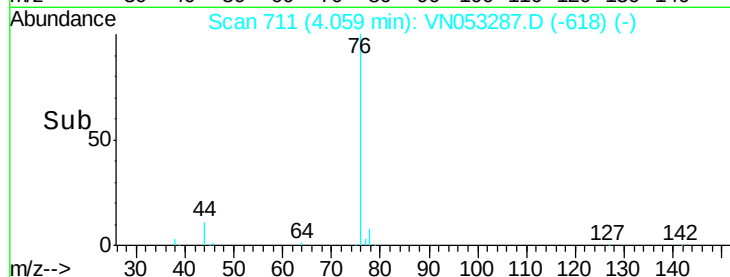
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.333 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053287.D

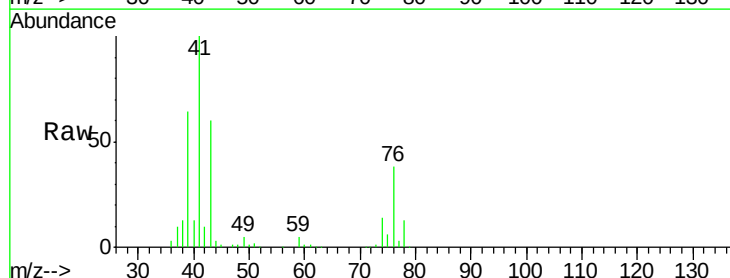
Acq: 4 Jan 2019 18:09

Tgt Ion: 43 Resp: 150133

Ion Ratio Lower Upper

43 100

74 23.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

60000

50000

40000

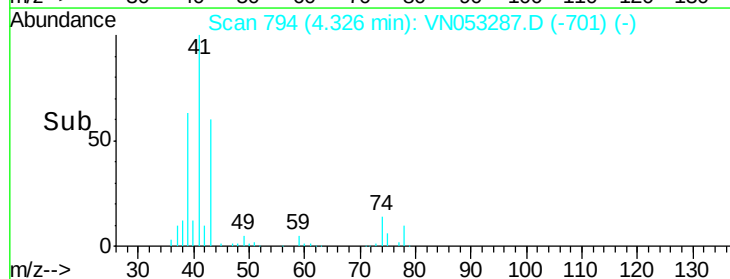
30000

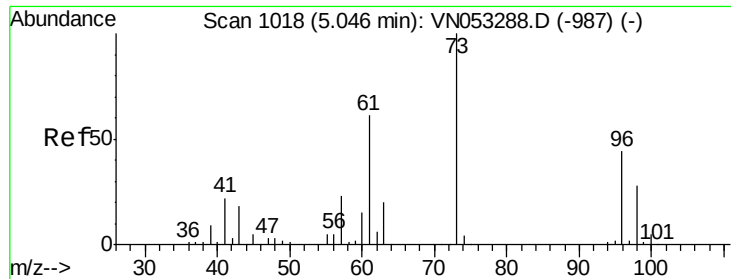
20000

10000

0

Time-->





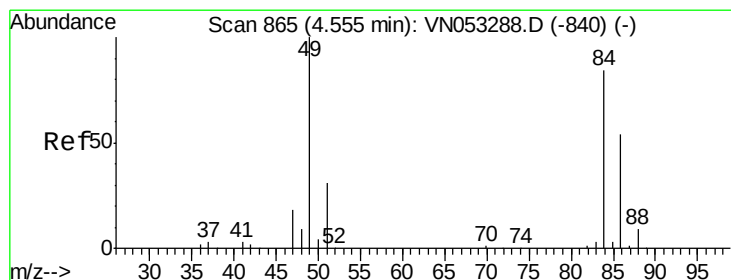
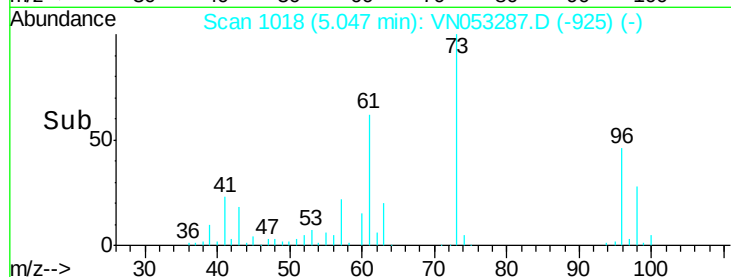
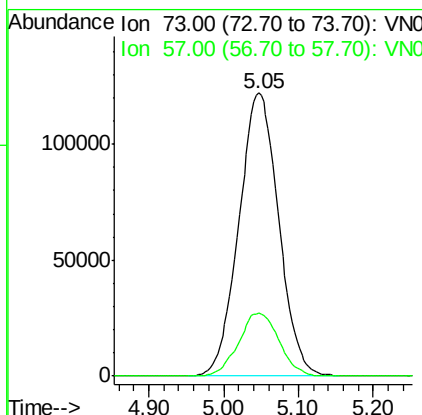
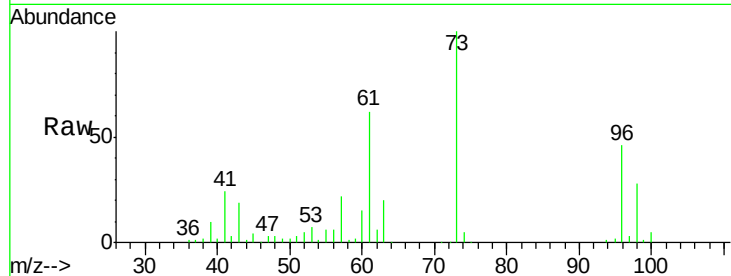
#19
Methyl tert-butyl Ether
Concen: 19.274 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 451170
Ion Ratio Lower Upper
73 100
57 22.2 18.5 27.7

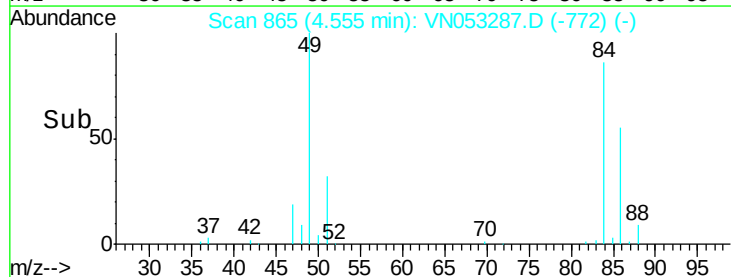
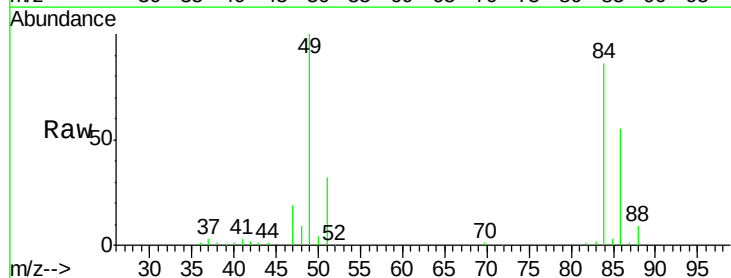
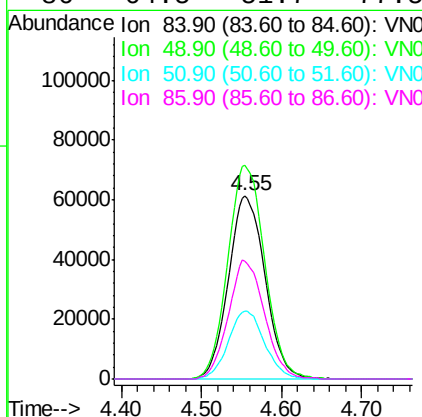
Manual Integrations
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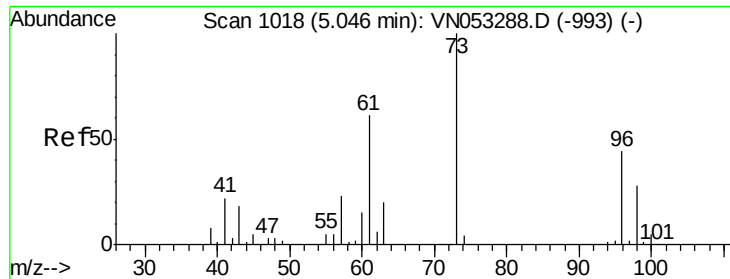
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#20
Methylene Chloride
Concen: 20.047 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion: 84 Resp: 191021
Ion Ratio Lower Upper
84 100
49 116.3 95.3 142.9
51 37.1 29.0 43.6
86 64.5 51.7 77.5





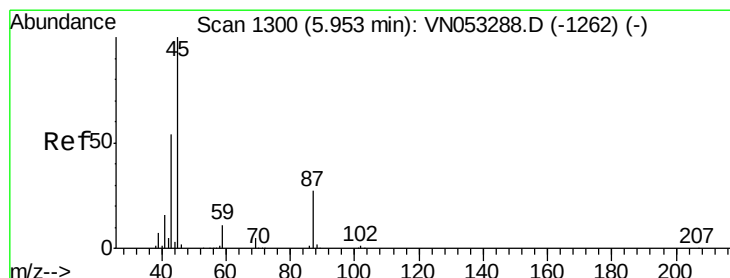
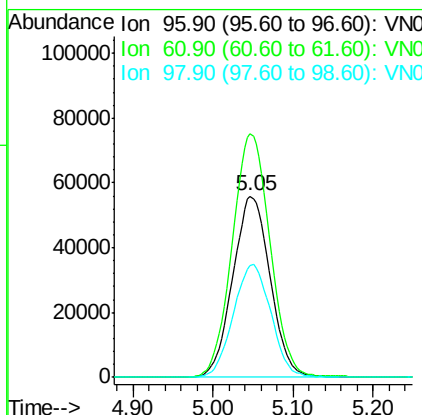
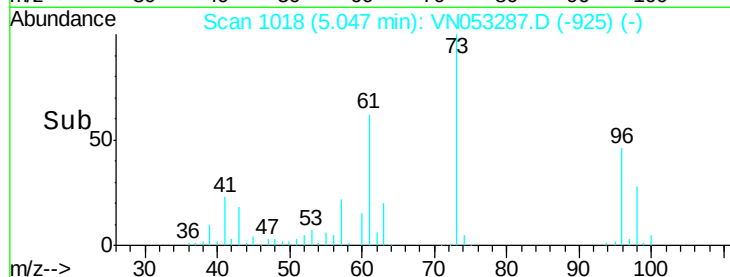
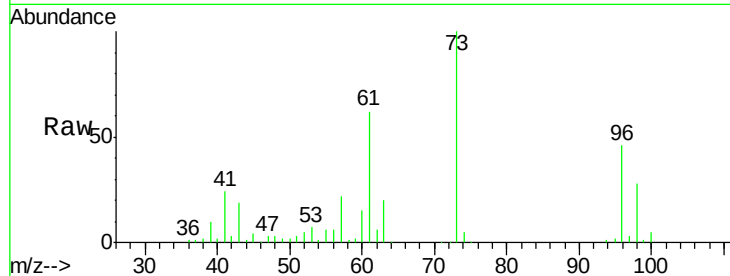
#21
trans-1,2-Dichloroethene
Concen: 19.935 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.4	110.2	165.4
98	61.9	50.7	76.1

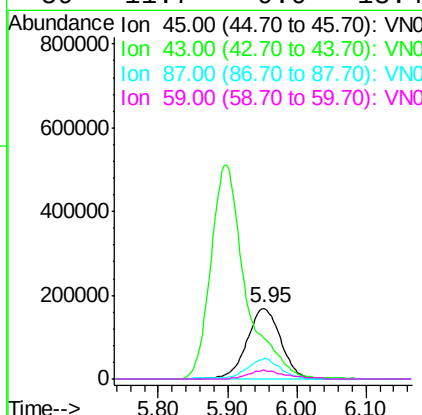
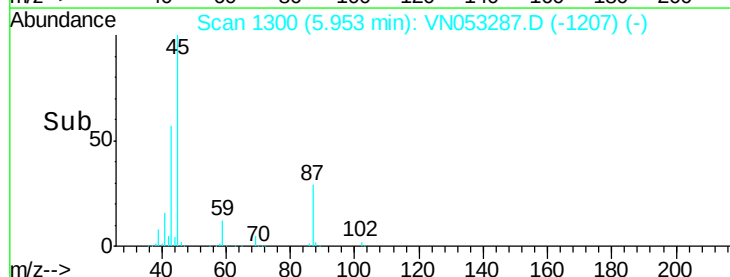
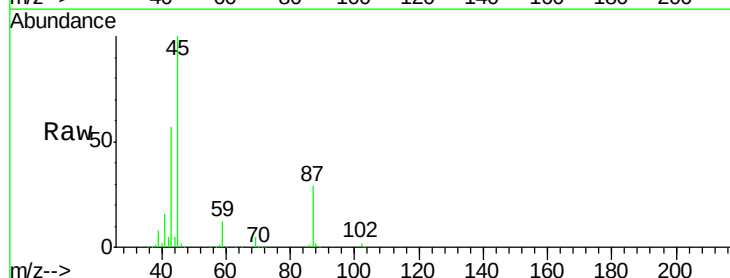
Manual Integrations
APPROVED

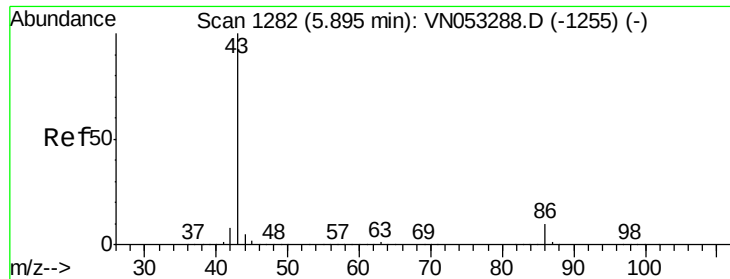
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#22
Diisopropyl ether
Concen: 19.658 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	43.0	64.6
87	28.5	22.1	33.1
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 95.126 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1775490

Ion Ratio Lower Upper

43 100

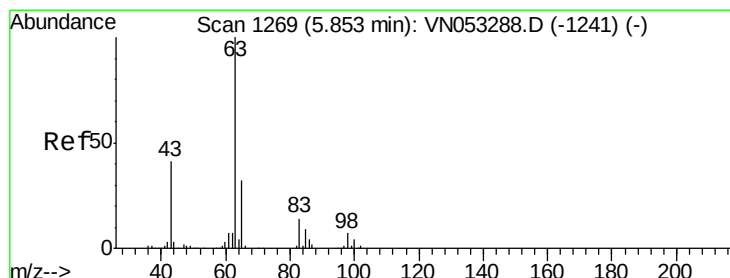
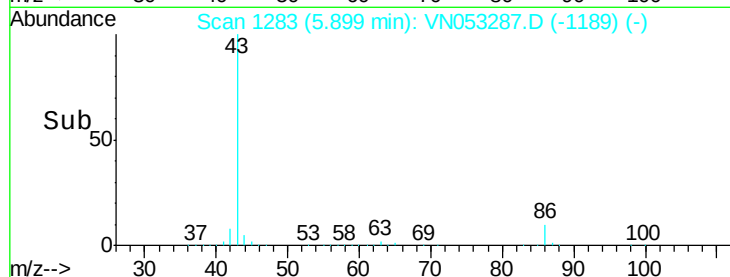
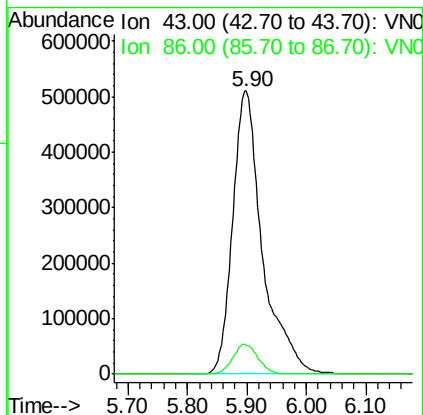
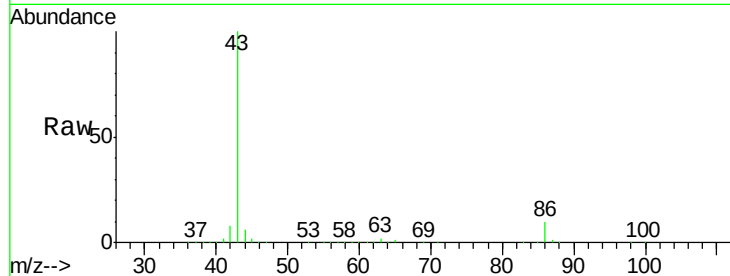
86 10.3 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.465 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

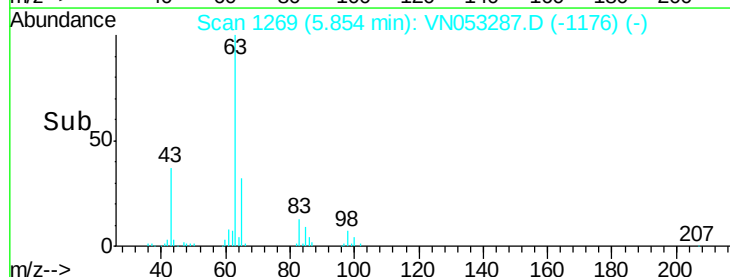
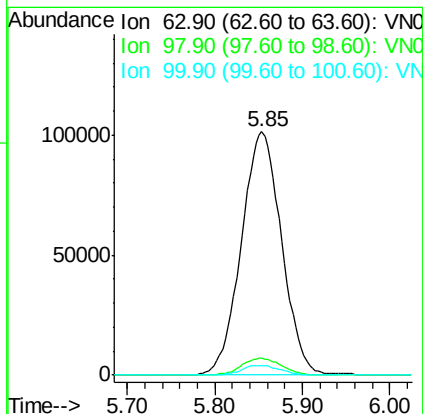
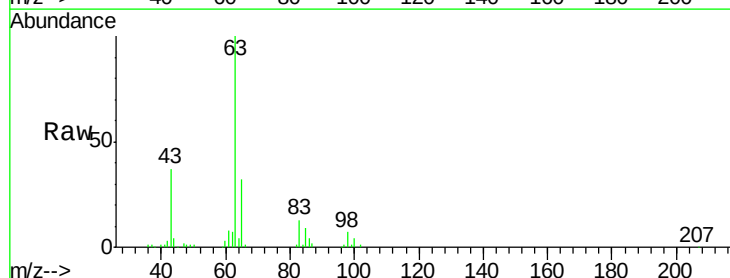
Tgt Ion: 63 Resp: 323134

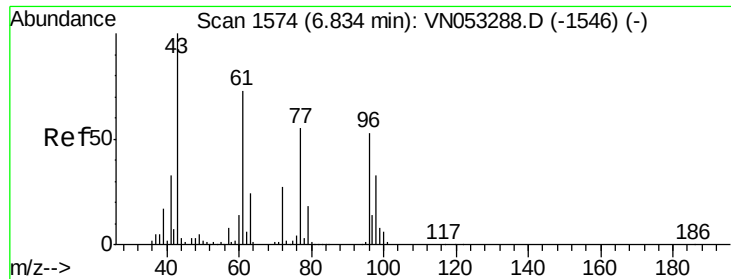
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.1 2.1 6.5





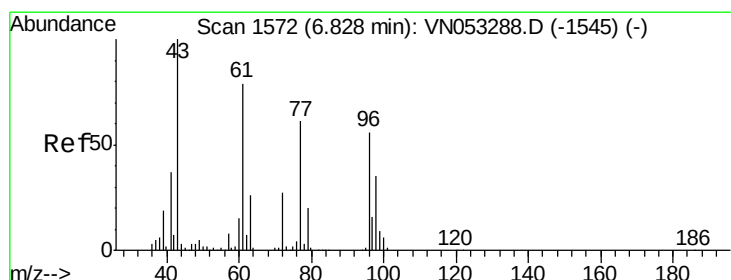
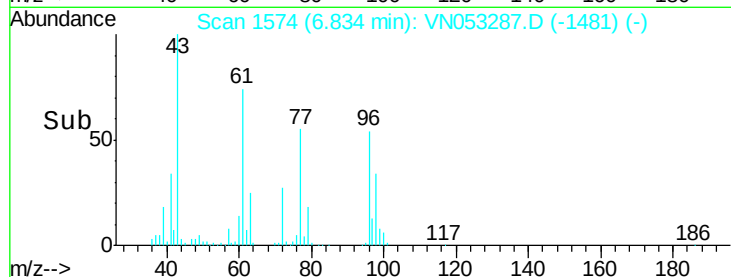
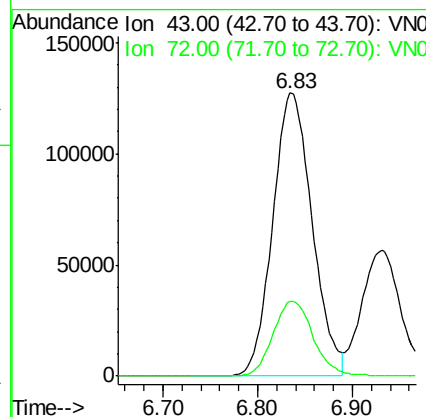
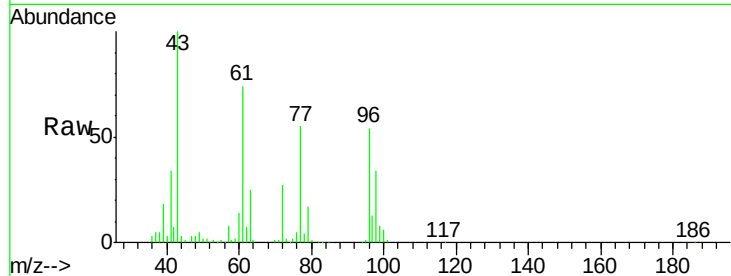
#25
2-Butanone
Concen: 96.218 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 367056
Ion Ratio Lower Upper
43 100
72 26.6 22.0 33.0

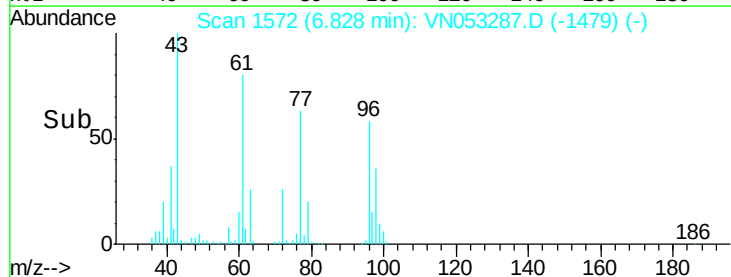
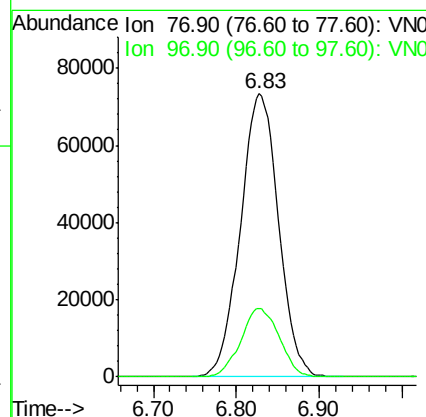
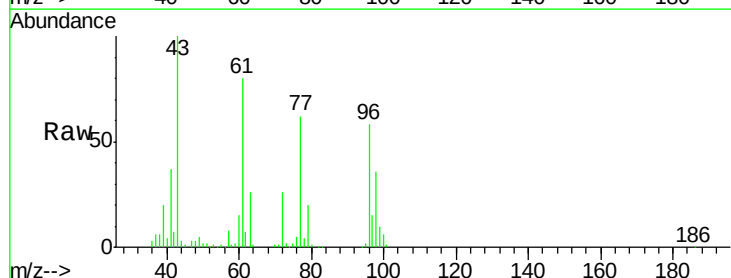
Manual Integrations
APPROVED

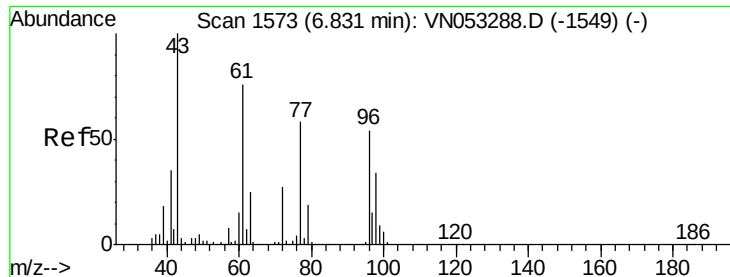
MMDadoda
1/8/2019 10:24:06 AM



#26
2,2-Dichloropropane
Concen: 19.492 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion: 77 Resp: 233757
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.9





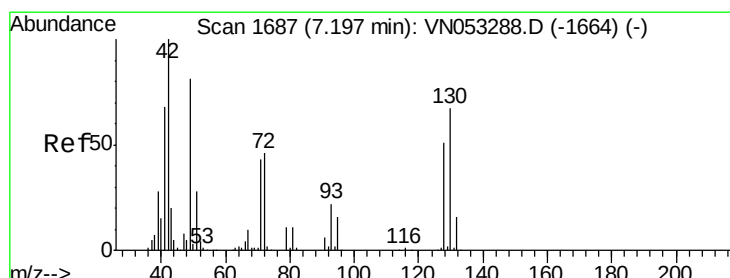
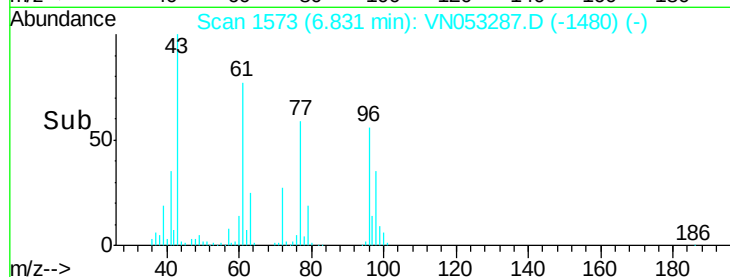
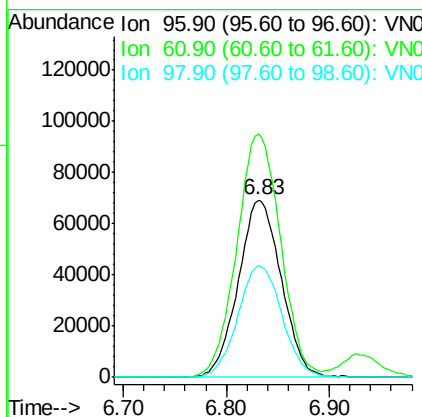
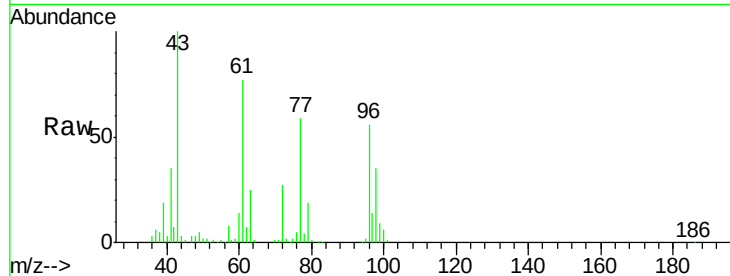
#27
 cis-1,2-Dichloroethene
 Concen: 19.583 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	200830		
61	140.0	0.0	280.6	
98	64.7	0.0	127.6	

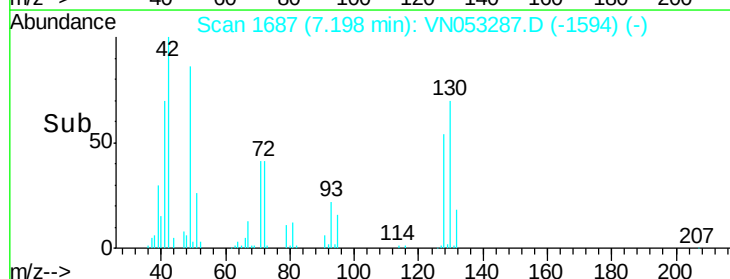
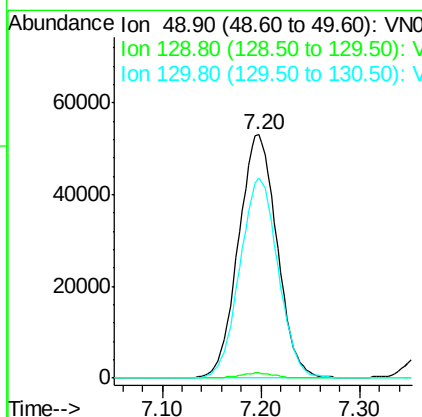
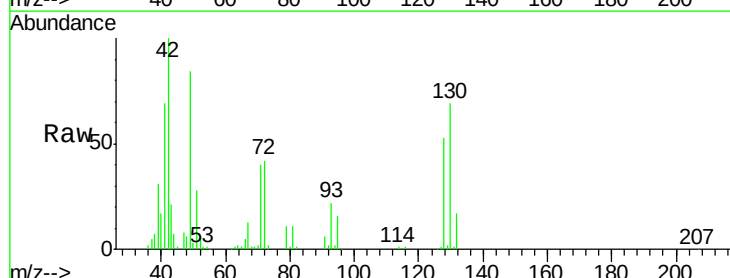
Manual Integrations
 APPROVED

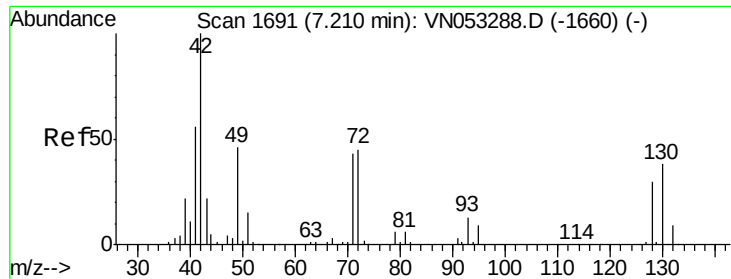
MMDadoda
 1/8/2019 10:24:06 AM



#28
 Bromochloromethane
 Concen: 19.476 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	143706		
129	1.8	0.0	3.8	
130	81.4	65.4	98.0	





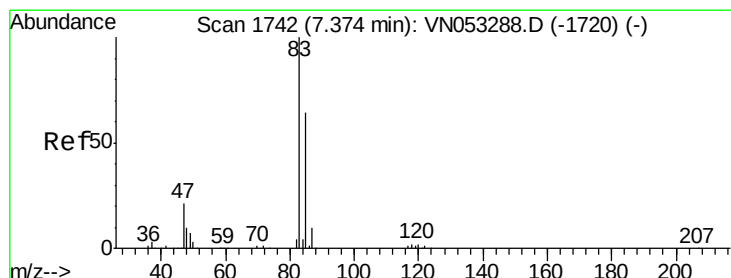
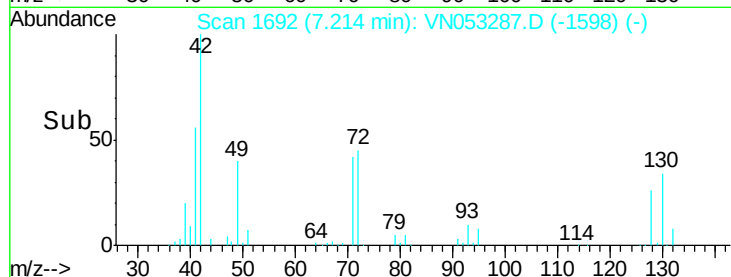
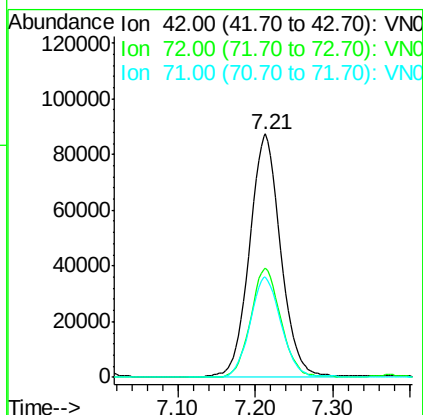
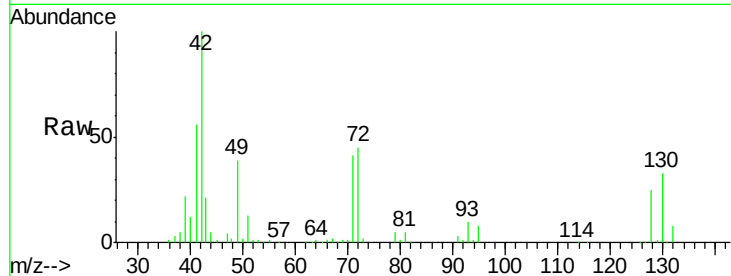
#29
Tetrahydrofuran
Concen: 97.083 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.6	53.4
71	40.7	33.8	50.8

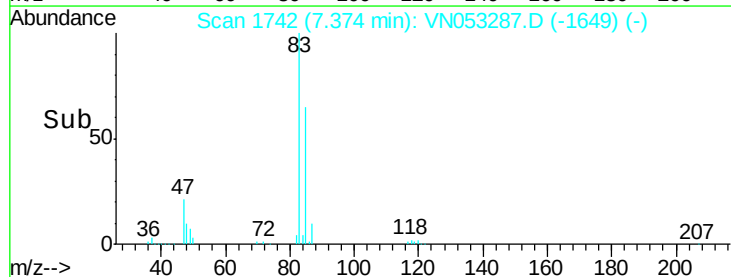
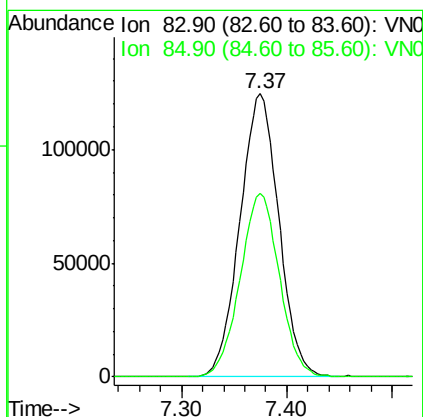
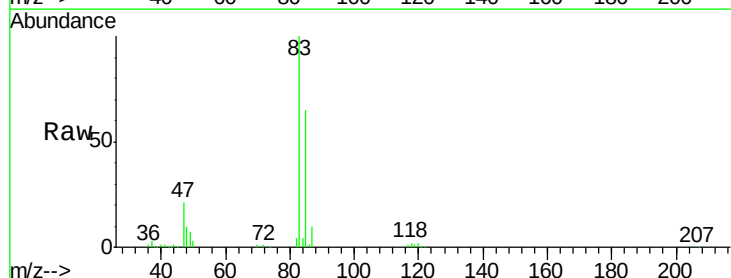
Manual Integrations
APPROVED

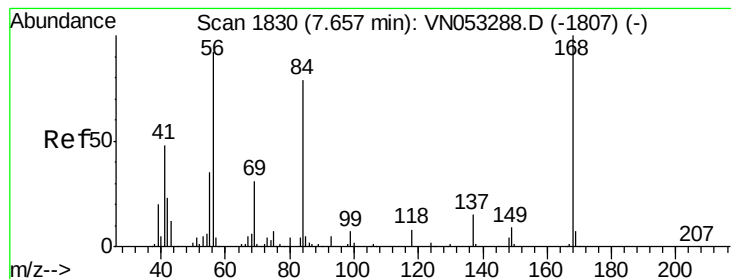
MMDadoda
1/8/2019 10:24:06 AM



#30
Chloroform
Concen: 19.659 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.3	76.9





#31

Cyclohexane

Concen: 19.991 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

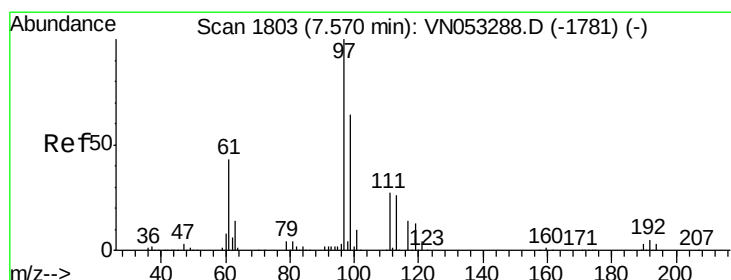
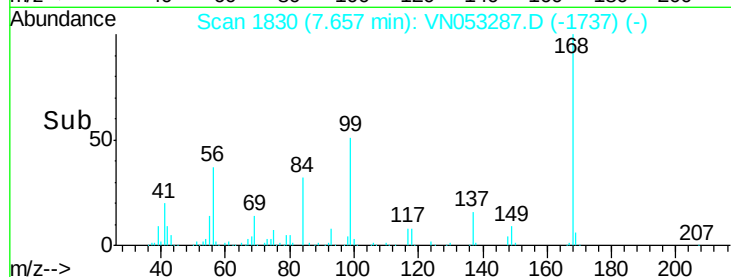
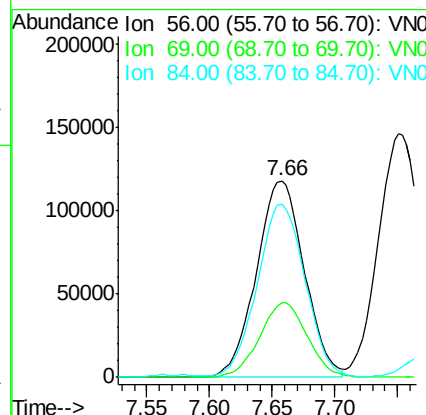
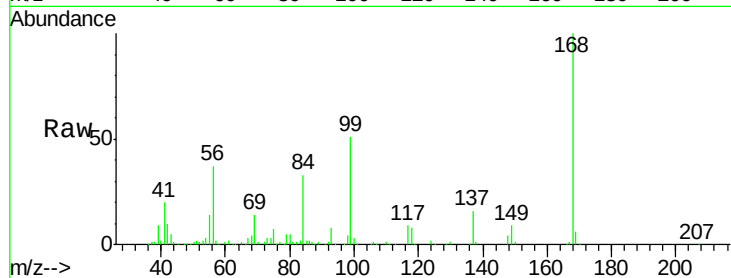
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	312970
Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.7	40.1
84	86.8	68.2	102.4

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 19.467 ug/l

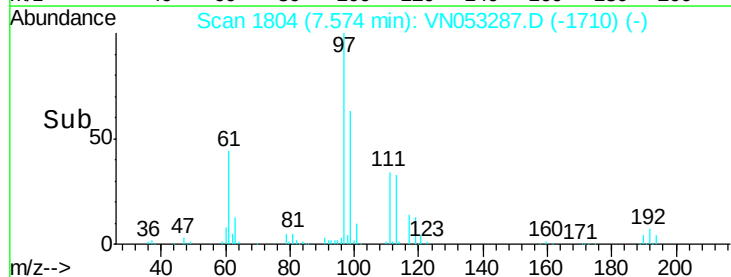
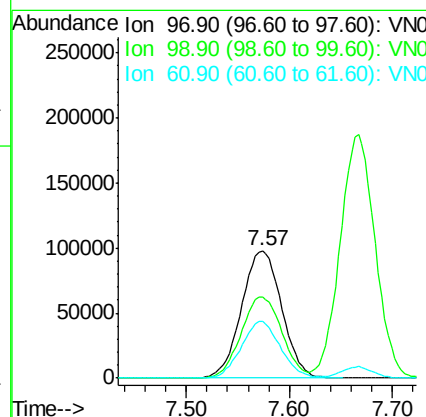
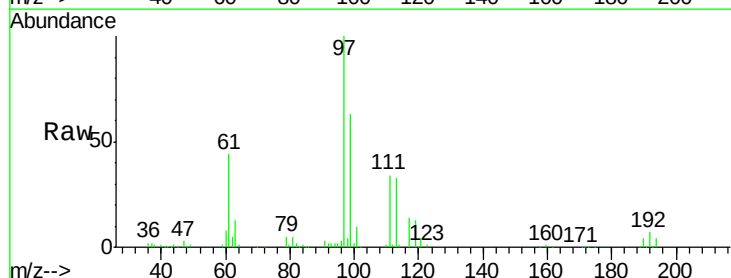
RT: 7.57 min Scan# 1804

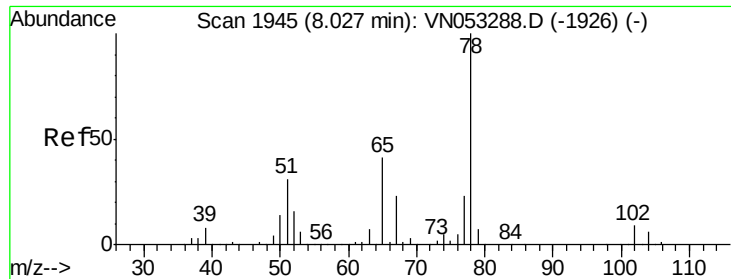
Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tgt Ion:	97	Resp:	264637
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	43.5	34.6	52.0





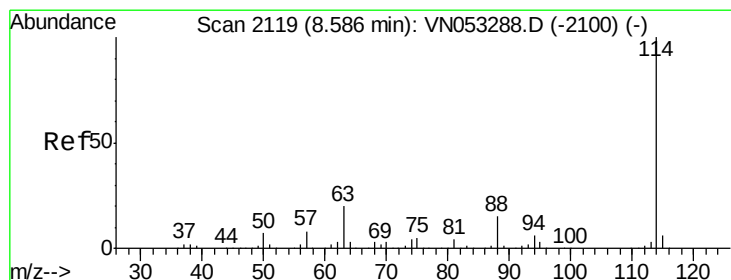
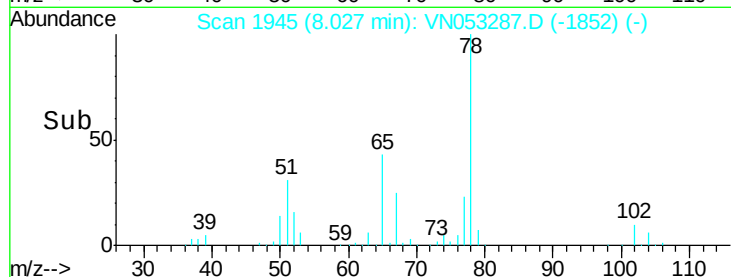
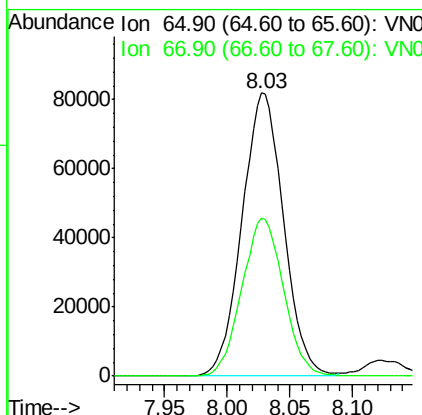
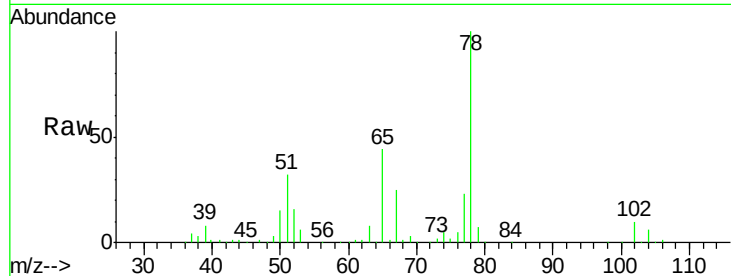
#33
 1,2-Dichloroethane-d4
 Concen: 19.467 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189060		
67	56.0	0.0	111.0	

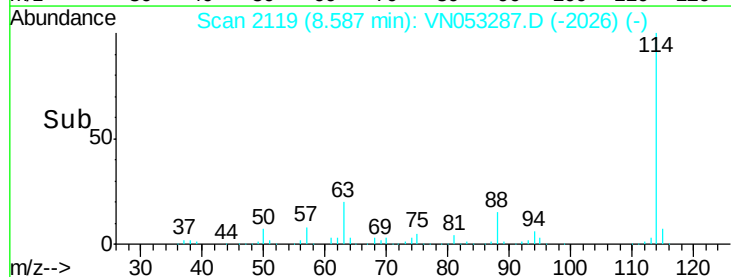
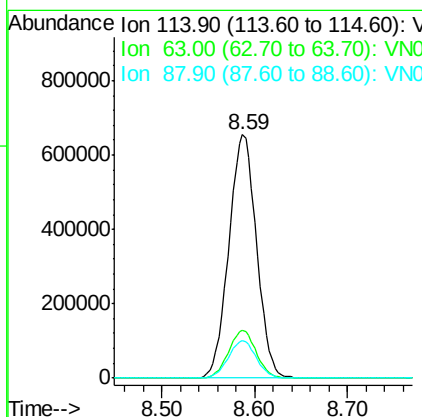
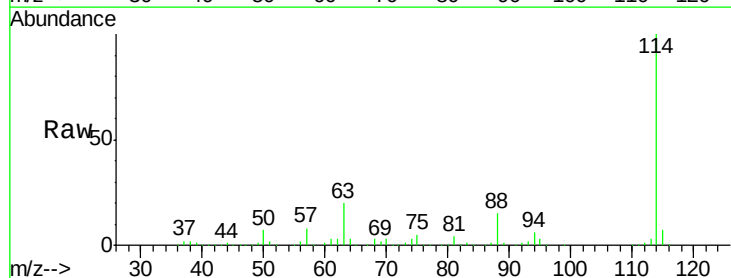
Manual Integrations
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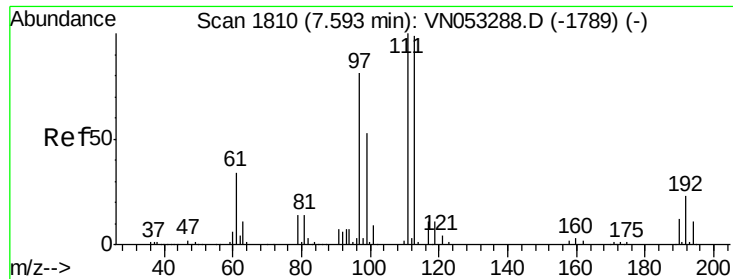
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1354670		
63	19.9	0.0	39.0	
88	15.4	0.0	30.8	





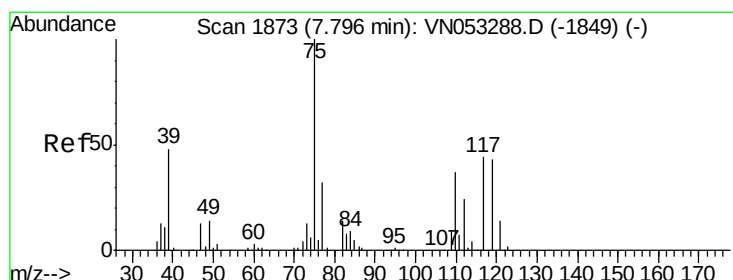
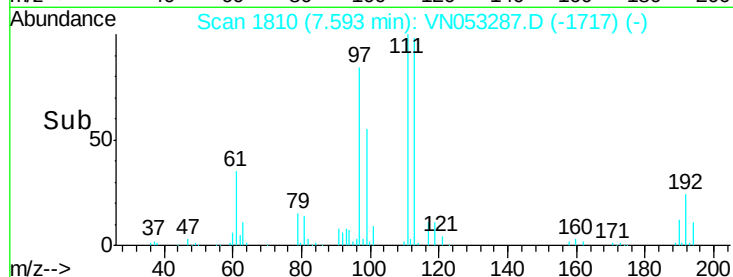
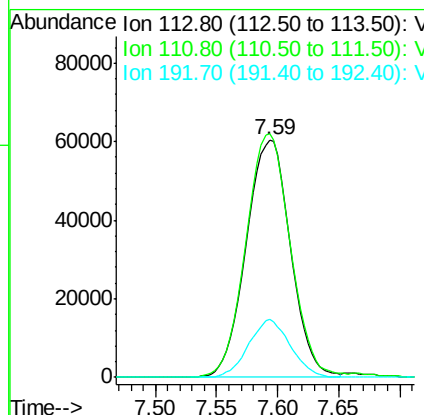
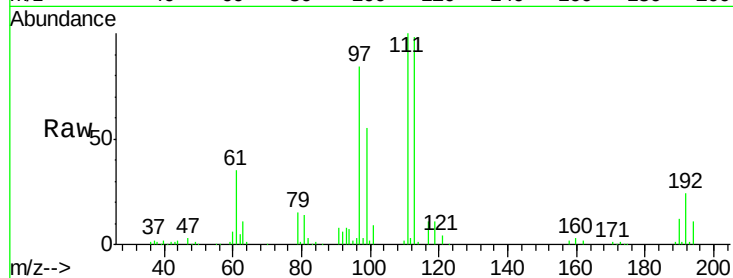
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152071		
111	102.8	81.4	122.2	
192	22.8	17.9	26.9	

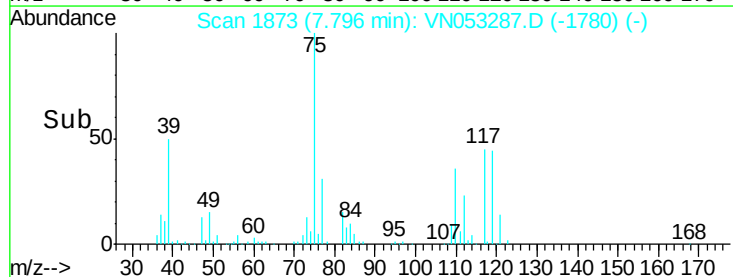
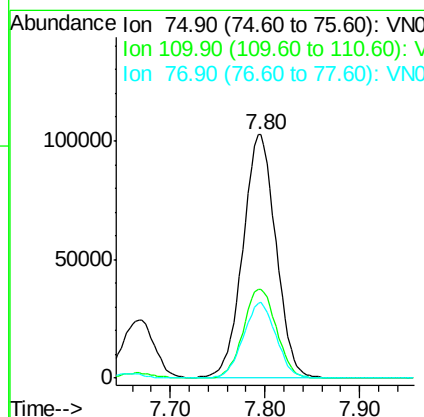
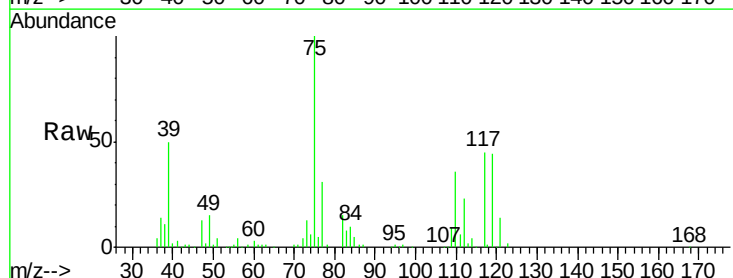
Manual Integrations
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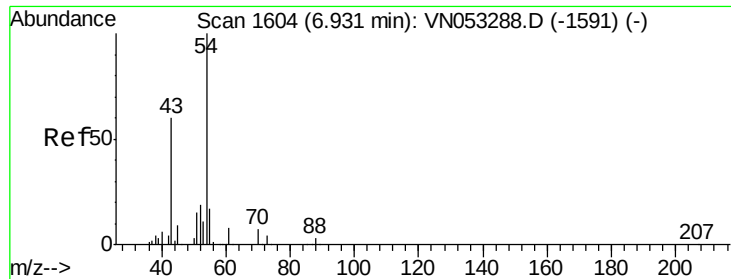
MMDadoda
1/8/2019 10:24:06 AM



#36
1,1-Dichloropropene
Concen: 19.779 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	247933		
110	36.8	18.4	55.0	
77	30.8	25.3	37.9	





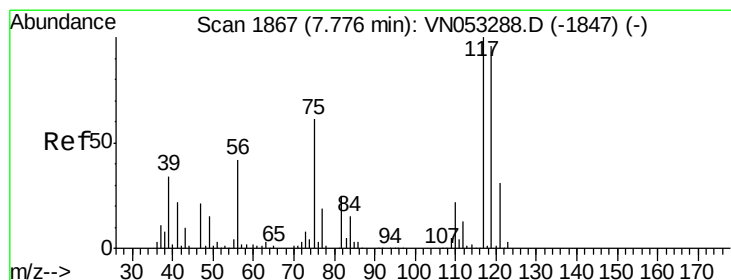
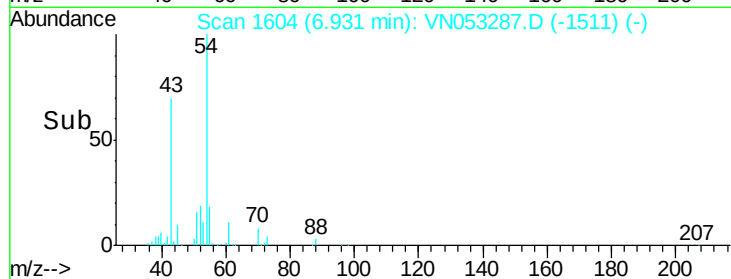
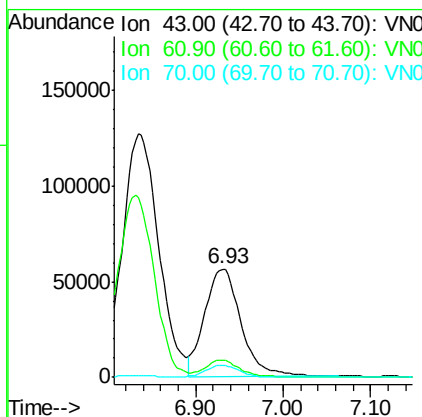
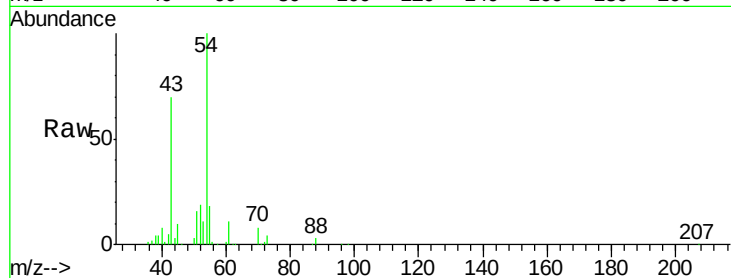
#37
Ethyl Acetate
Concen: 19.584 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	10.7	8.6	13.0

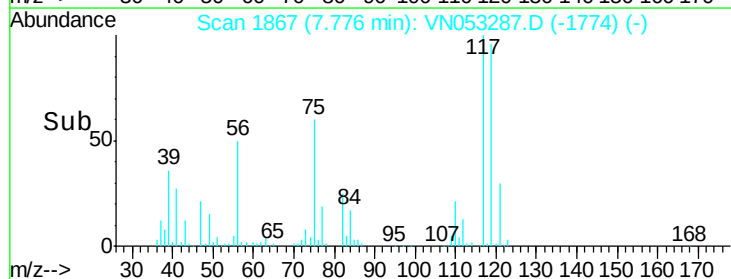
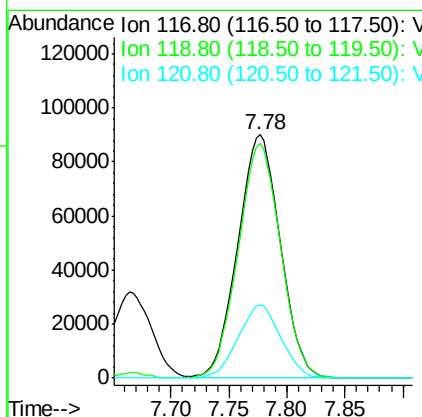
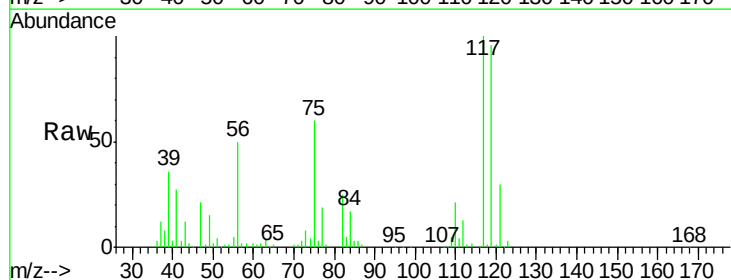
Manual Integrations
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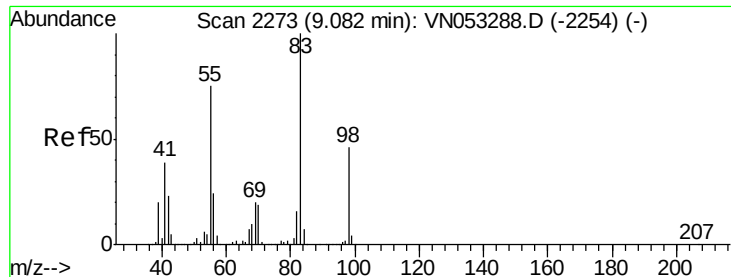
MMDadoda
1/8/2019 10:24:06 AM



#38
Carbon Tetrachloride
Concen: 19.483 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.6	115.0
121	30.2	25.0	37.4





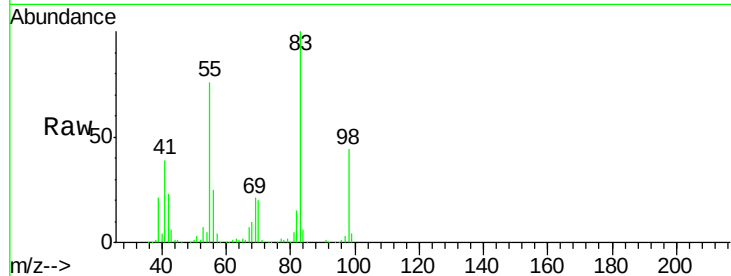
#39
Methylvlcyclohexane
Concen: 19.865 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	290913		
55	76.0		60.1	90.1
98	44.2		36.7	55.1

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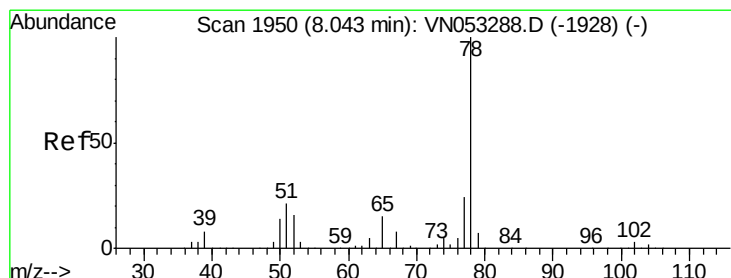
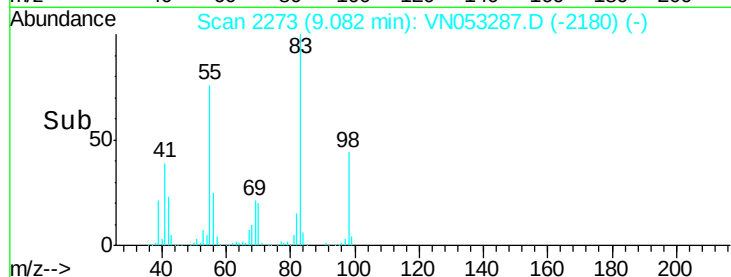
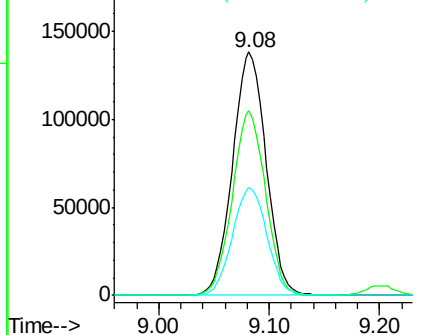
MMDadoda
1/8/2019 10:24:06 AM



Abundance Ion 83.00 (82.70 to 83.70): VN053288.D (-2254) (-)

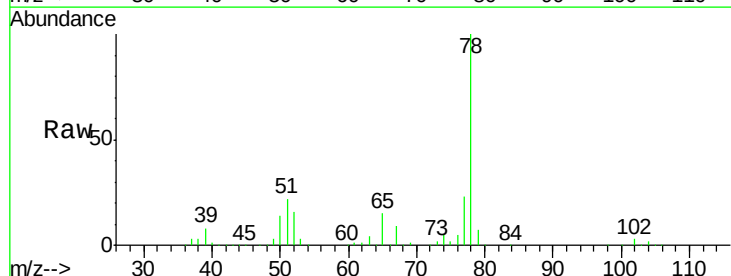
Ion 55.00 (54.70 to 55.70): VN053288.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN053288.D (-2254) (-)



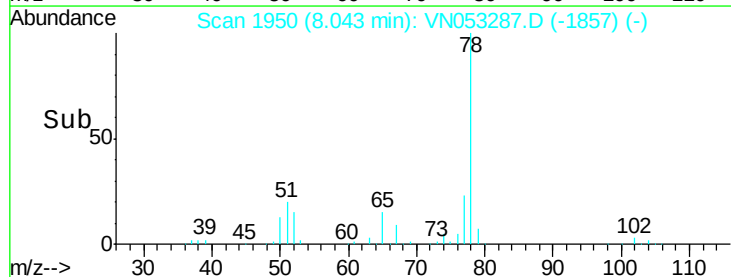
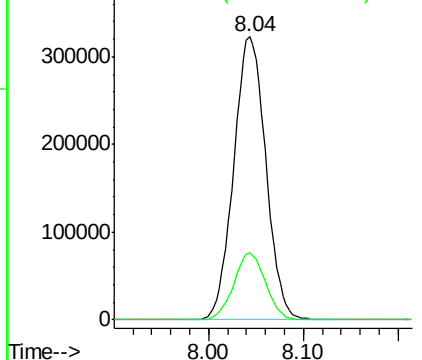
#40
Benzene
Concen: 19.769 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

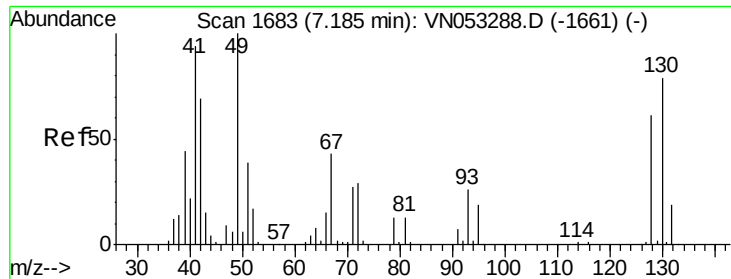
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	761664		
77	23.5		19.0	28.4



Abundance Ion 78.00 (77.70 to 78.70): VN053288.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN053288.D (-1928) (-)





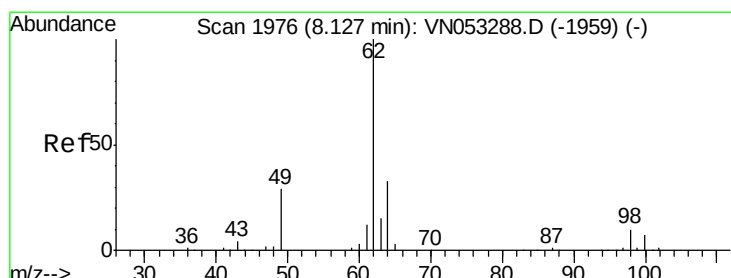
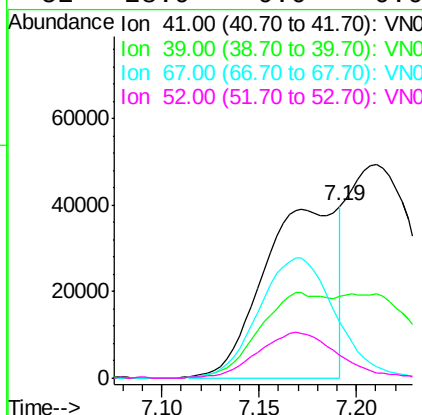
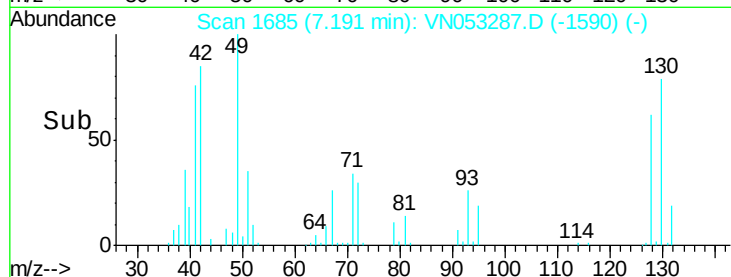
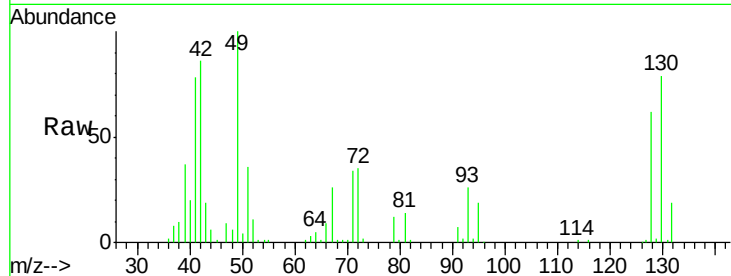
#41
Methacrylonitrile
Concen: 22.168 ug/l m
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	46.9	0.0	0.0#		
67	72.2	0.0	0.0#		
52	28.9	0.0	0.0#		

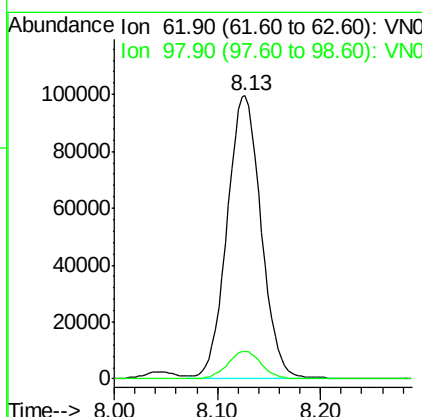
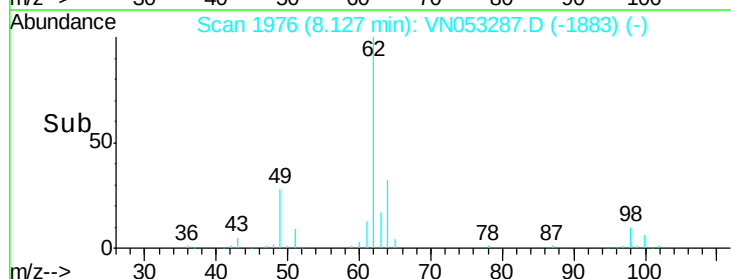
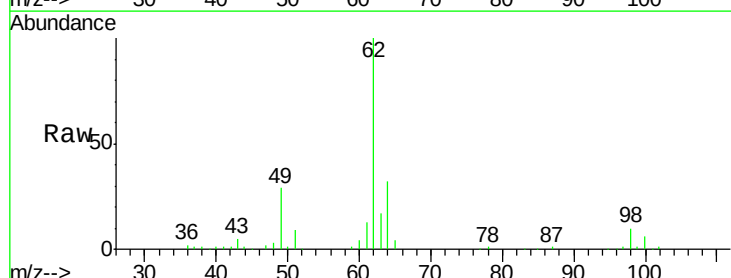
Manual Integrations
APPROVED

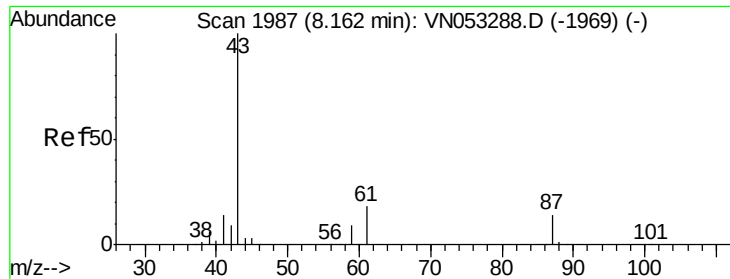
MMDadoda
1/8/2019 10:24:06 AM



#42
1,2-Dichloroethane
Concen: 20.148 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.7	0.0	20.2		





#43

Isopropyl Acetate

Concen: 19.621 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

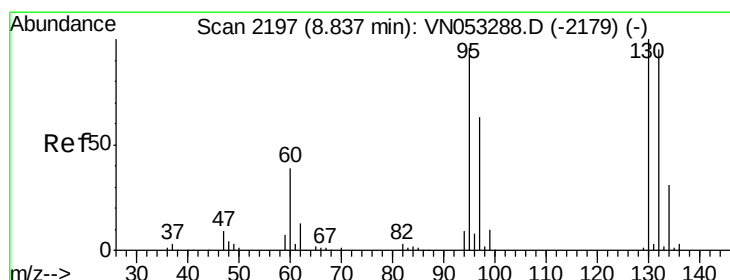
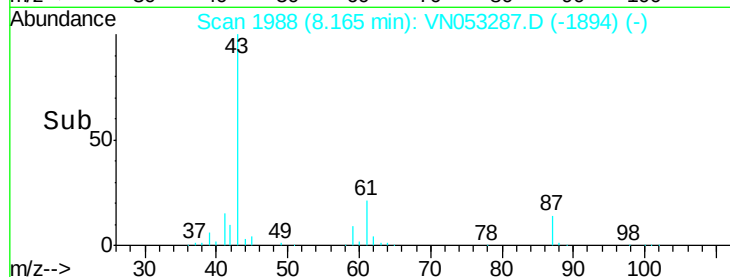
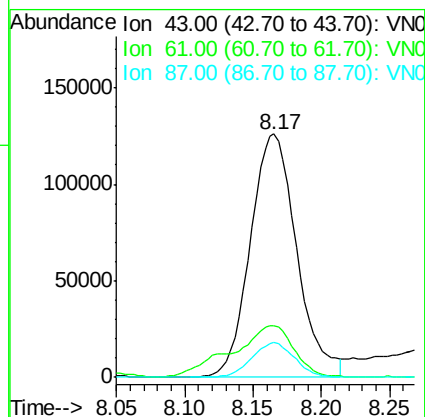
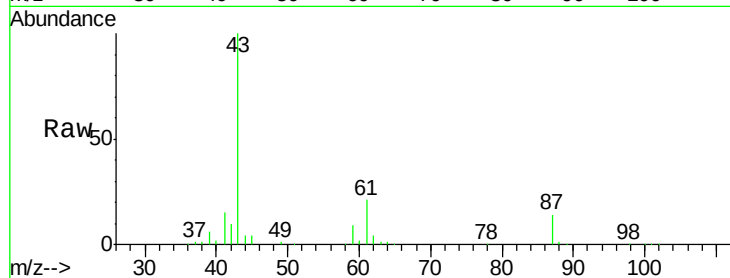
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	295583
Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.3	34.9
87	13.2	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.820 ug/l

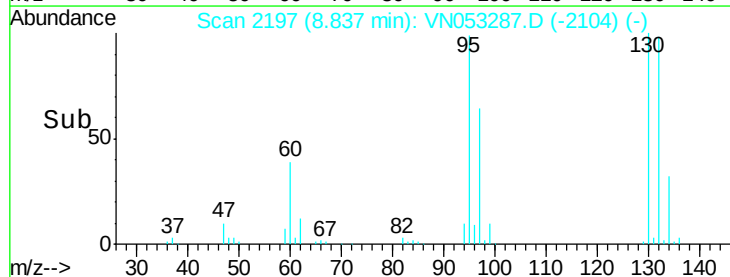
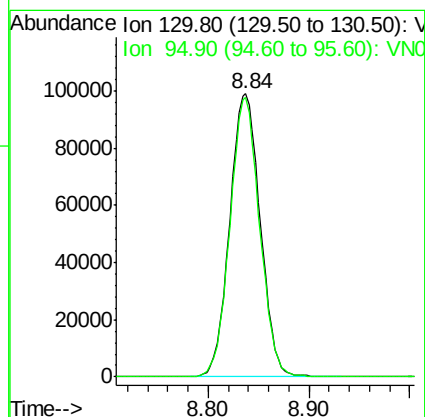
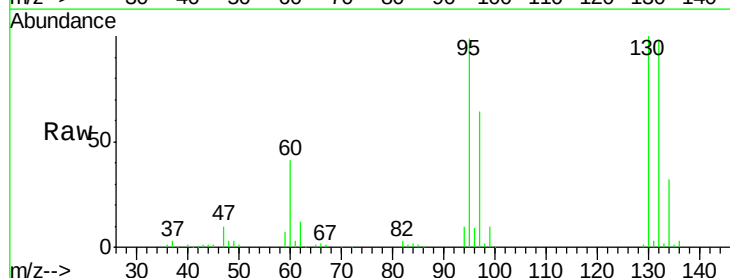
RT: 8.84 min Scan# 2197

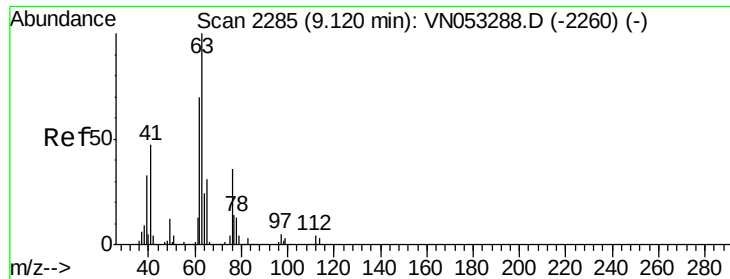
Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tgt Ion:	130	Resp:	208191
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	191.8





#45

1,2-Dichloropropane

Concen: 19.887 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 200953

Ion Ratio Lower Upper

63 100

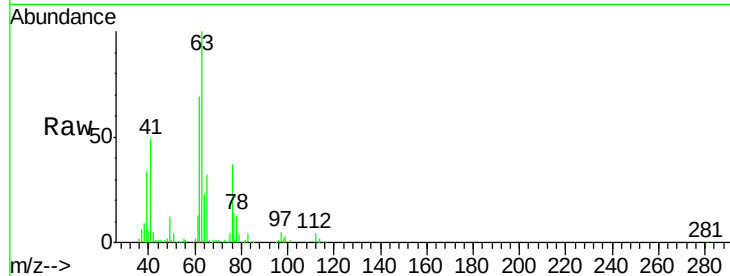
65 31.5 25.0 37.6

Manual Integrations

APPROVED

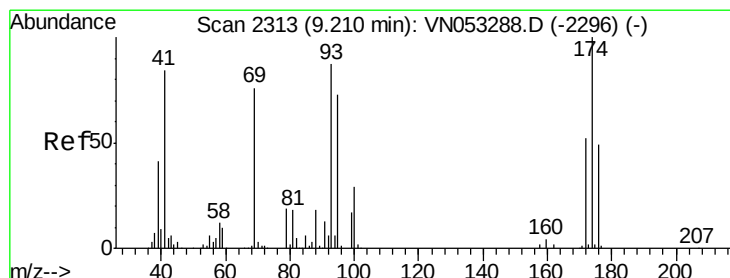
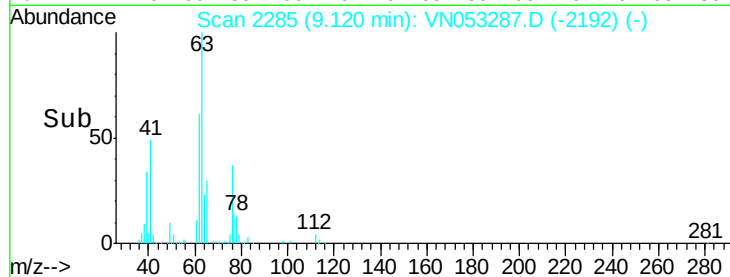
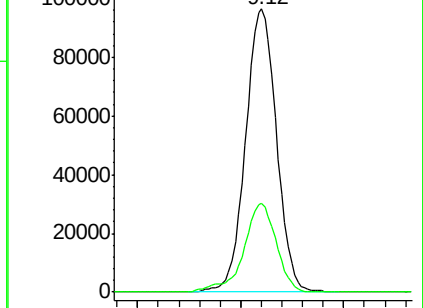
MMDadoda

1/8/2019 10:24:06 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.587 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

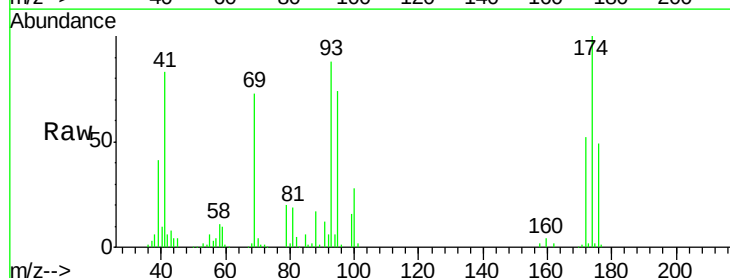
Tgt Ion: 93 Resp: 116686

Ion Ratio Lower Upper

93 100

95 84.2 66.6 100.0

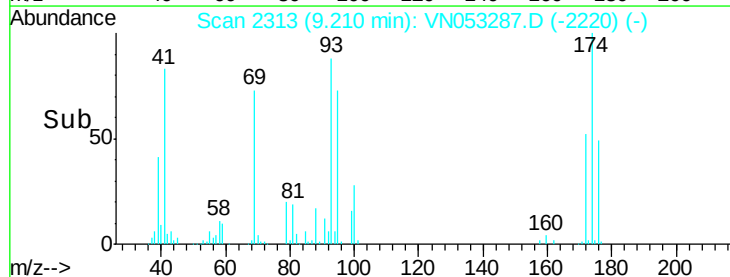
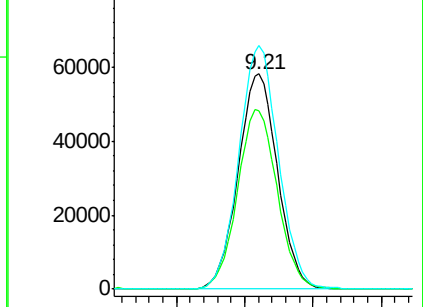
174 114.1 91.4 137.0

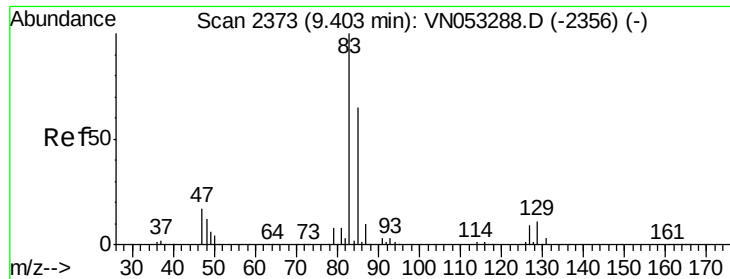


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





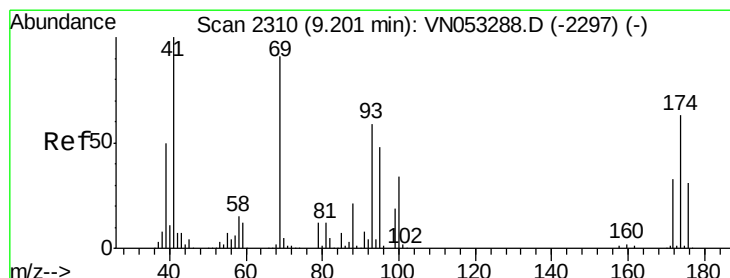
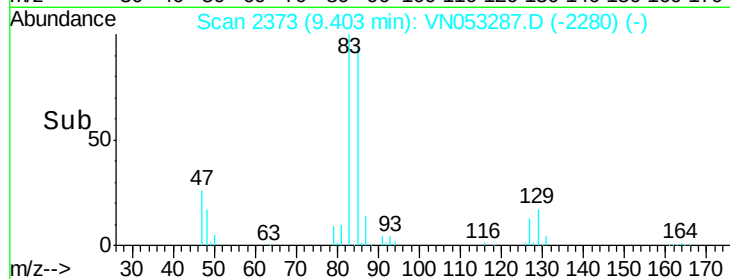
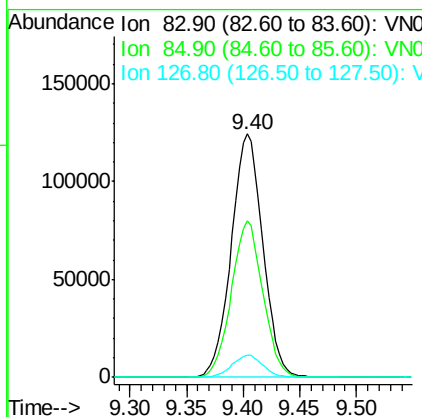
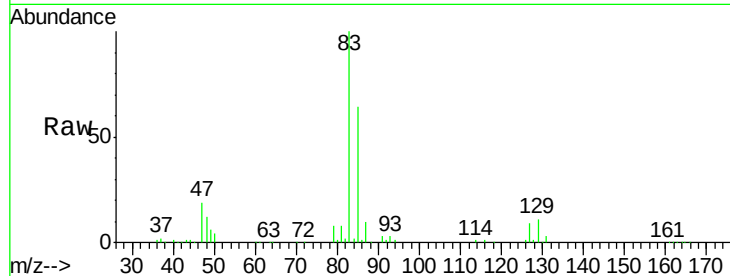
#47
Bromodichloromethane
Concen: 19.665 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	241560
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.7	77.5
127	9.1	7.0	10.6

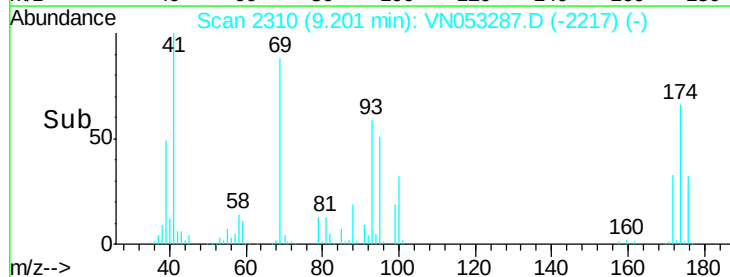
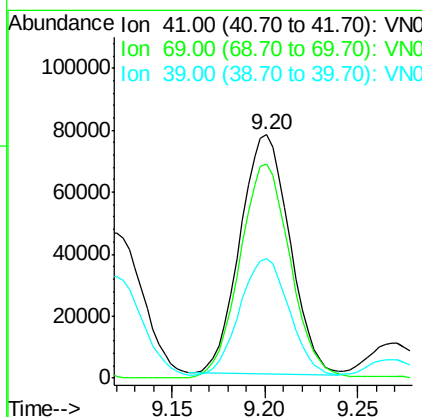
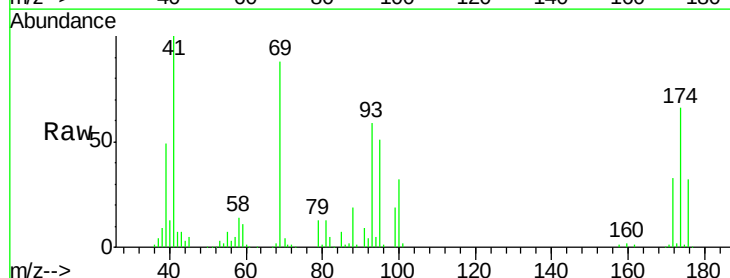
Manual Integrations
APPROVED

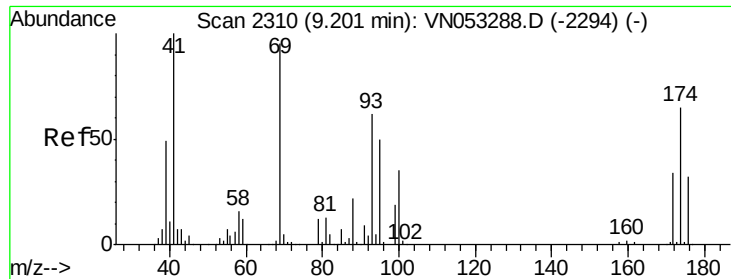
MMDadoda
1/8/2019 10:24:06 AM



#48
Methyl methacrylate
Concen: 19.072 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	41	Resp	143878
Ion Ratio	100	Lower	Upper
41	100		
69	90.9	73.5	110.3
39	51.0	41.6	62.4





#49

1,4-Dioxane

Concen: 359.678 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

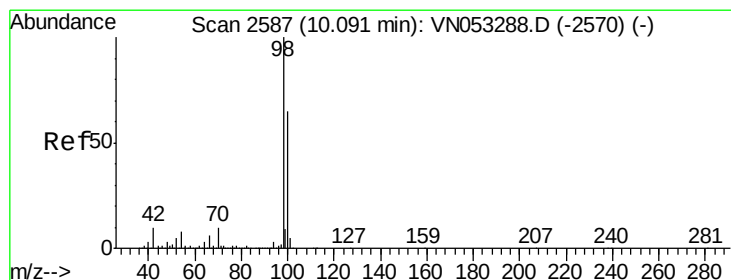
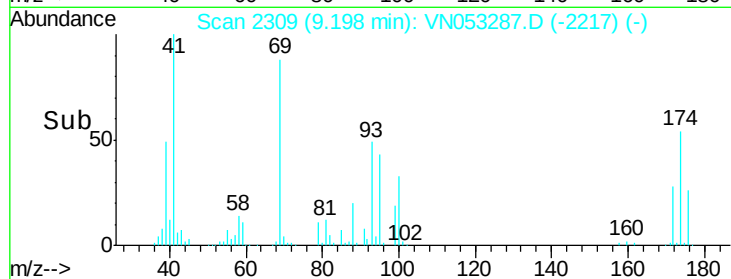
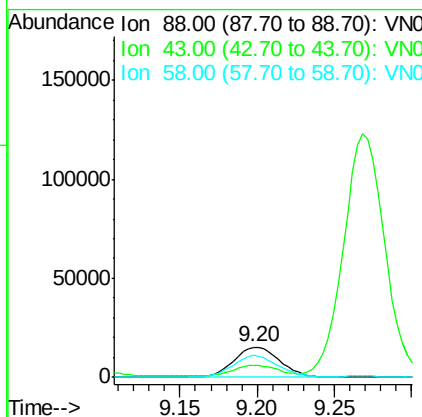
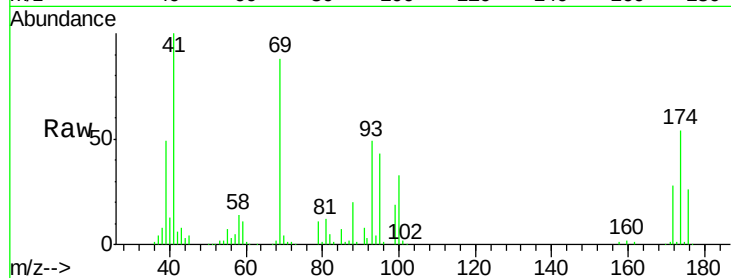
ClientSampleId :

VSTDIC020

Tot Ion	88	Resp	31424
Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.2	39.4
58	71.7	55.5	83.3

Manual Integrations
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1/8/2019 10:24:06 AM



#50

Toluene-d8

Concen: 359.678 ug/l

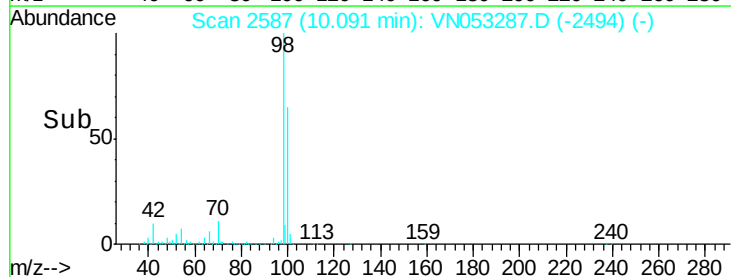
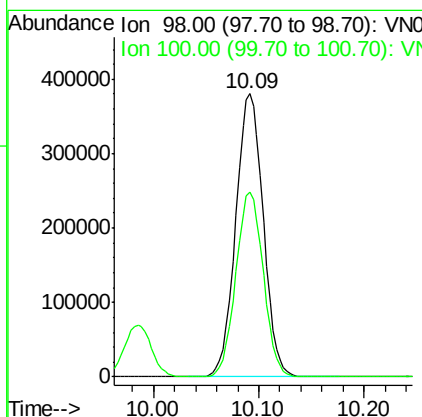
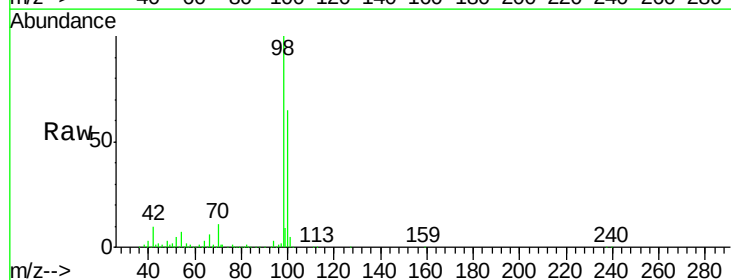
RT: 10.09 min Scan# 2587

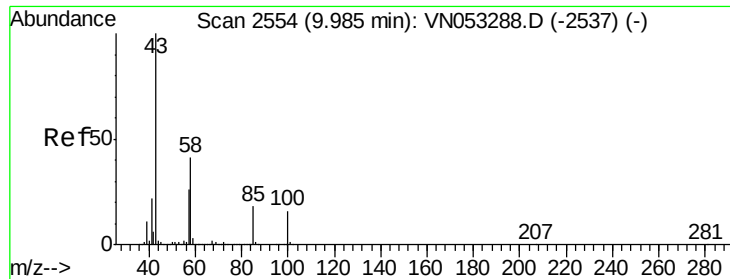
Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tgt Ion	98	Resp	686679
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 97.228 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 814407

Ion Ratio Lower Upper

43 100

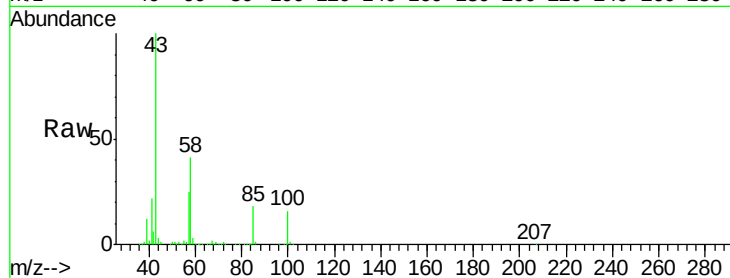
58 40.5 32.7 49.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

400000

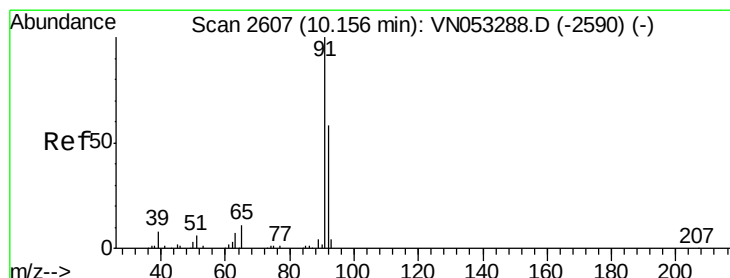
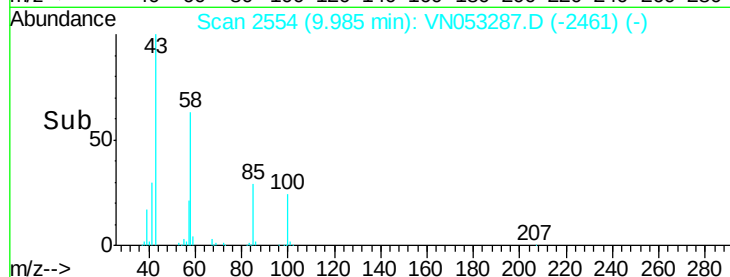
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.834 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053287.D

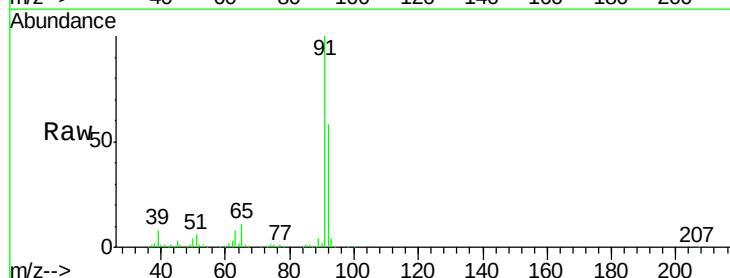
Acq: 4 Jan 2019 18:09

Tgt Ion: 92 Resp: 477496

Ion Ratio Lower Upper

92 100

91 173.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

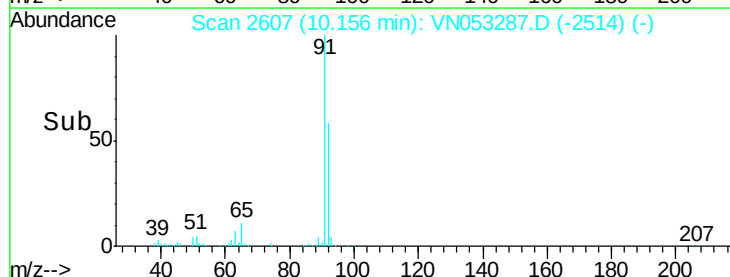
300000

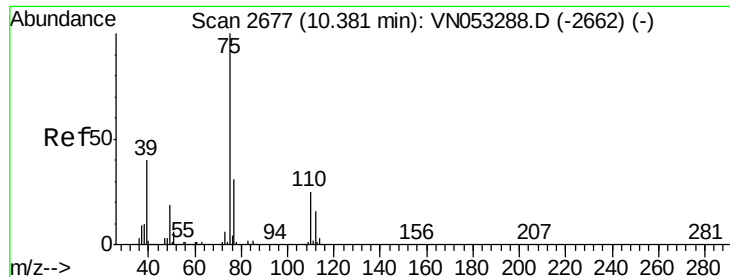
200000

100000

0

Time-->





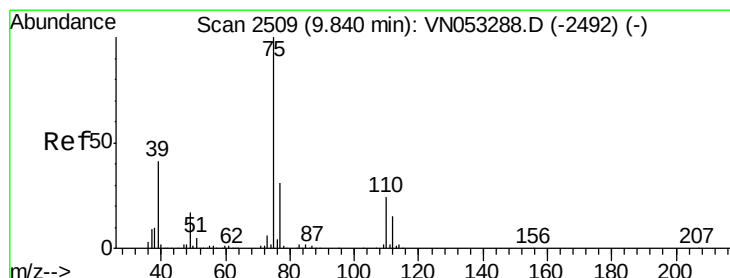
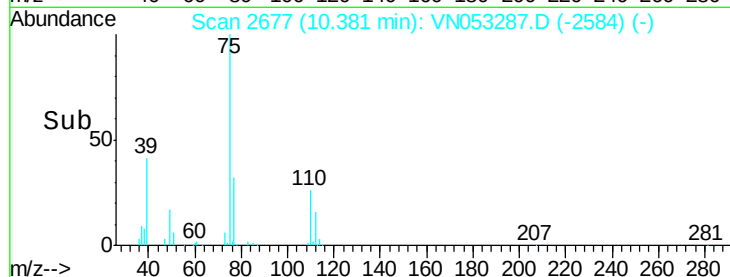
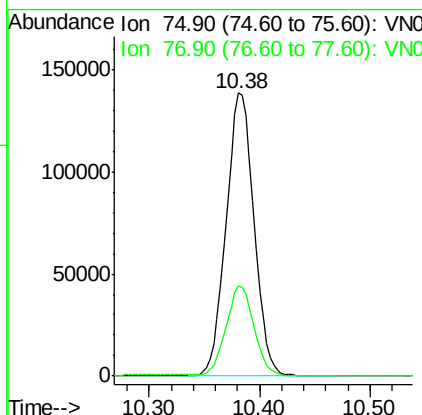
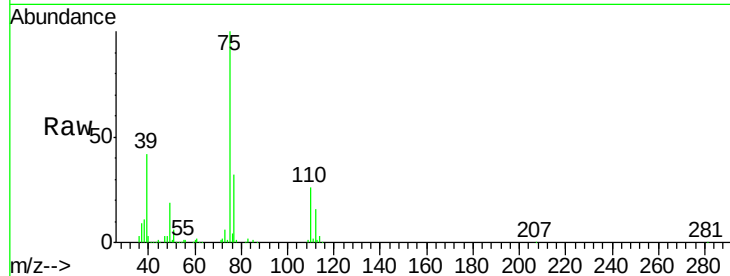
#53
t-1,3-Dichloropropene
Concen: 18.821 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4

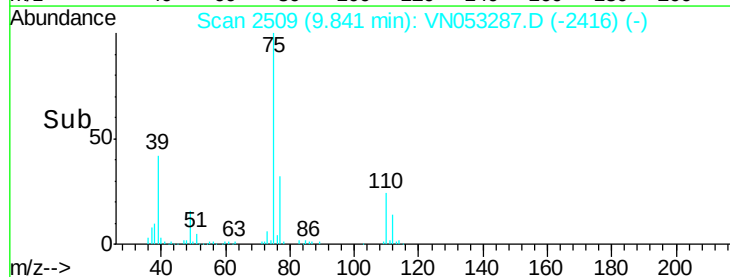
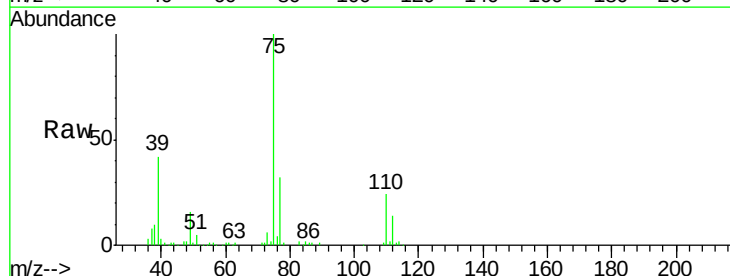
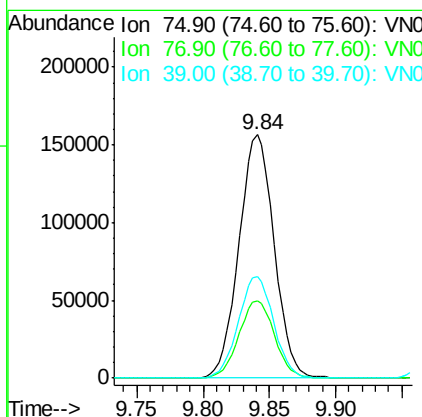
Manual Integrations
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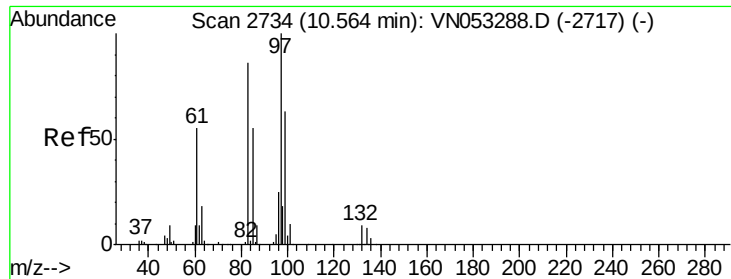
MMDadoda
1/8/2019 10:24:06 AM



#54
cis-1,3-Dichloropropene
Concen: 19.354 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	41.5	33.1	49.7





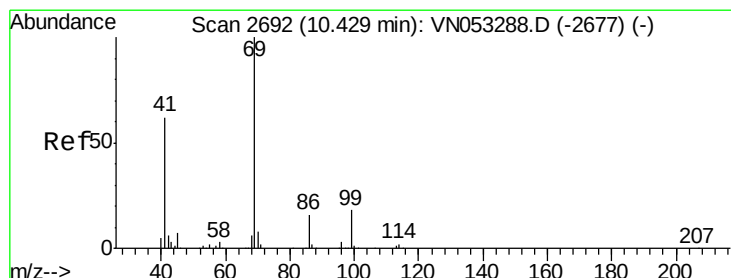
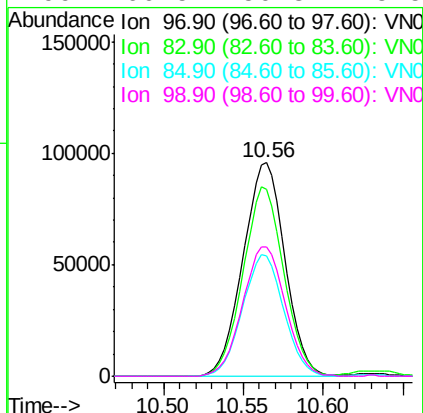
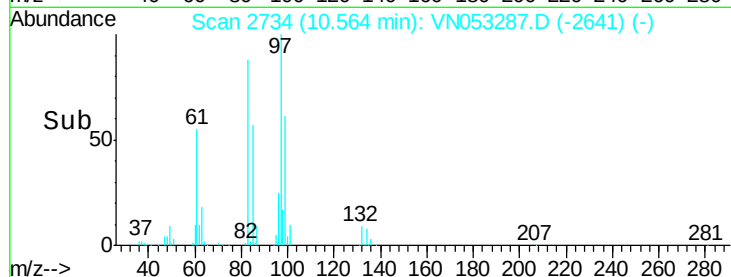
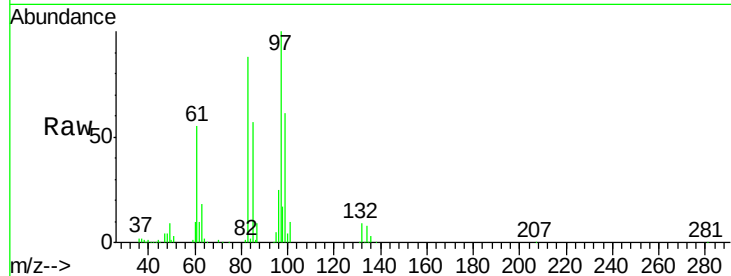
#55
 1,1,2-Trichloroethane
 Concen: 19.897 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	171982
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.1	103.7
85	56.5	44.2	66.4
99	60.5	50.3	75.5

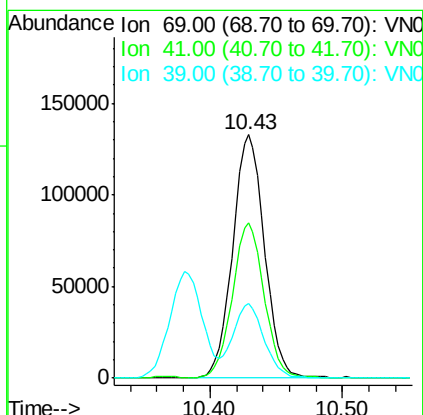
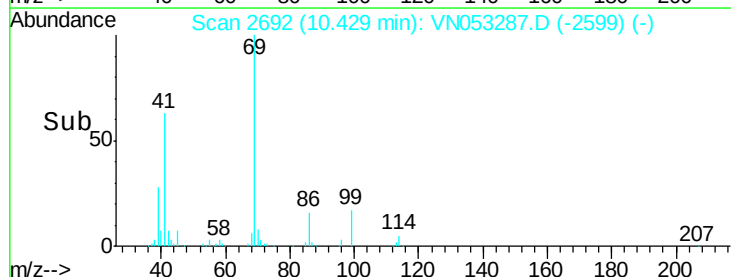
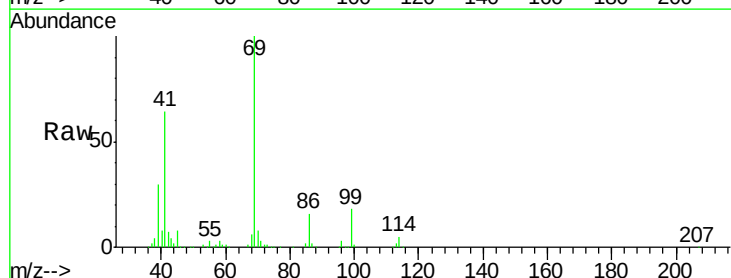
Manual Integrations
 APPROVED

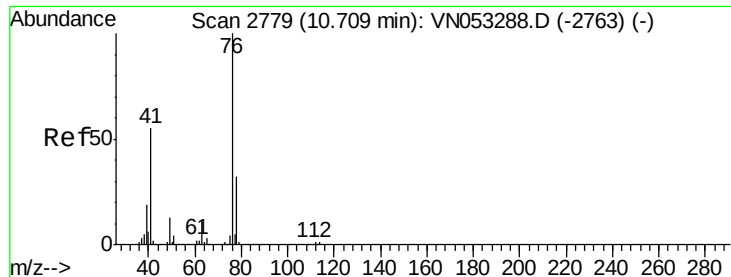
MMDadoda
 1/8/2019 10:24:06 AM



#56
 Ethyl methacrylate
 Concen: 18.651 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Tgt Ion:	69	Resp:	221200
Ion	Ratio	Lower	Upper
69	100		
41	62.5	49.2	73.8
39	29.7	23.4	35.0





#57

1,3-Dichloropropane

Concen: 19.917 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 290936

Ion Ratio Lower Upper

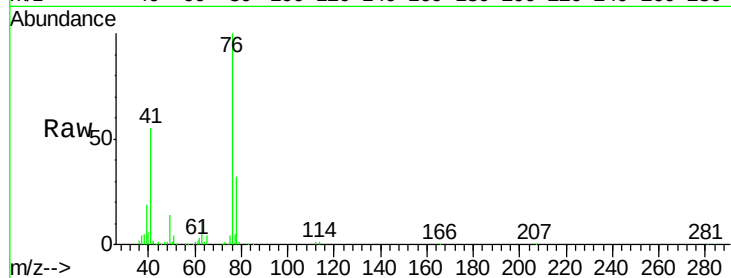
76 100

78 32.1 25.8 38.8

Manual Integrations
APPROVED

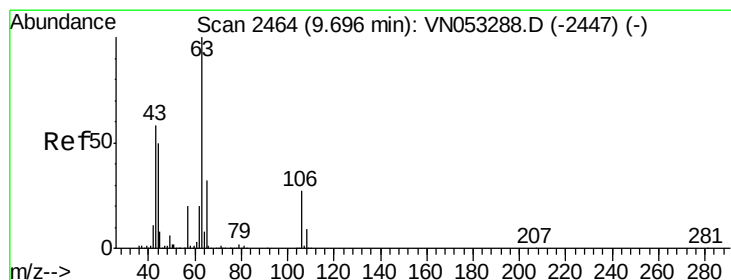
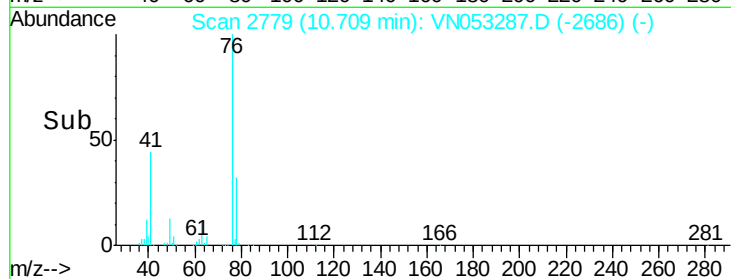
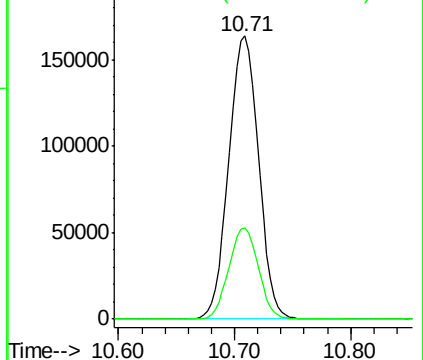
MMDadoda

1/8/2019 10:24:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.824 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053287.D

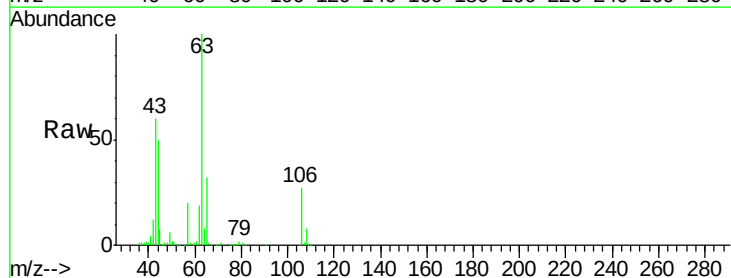
Acq: 4 Jan 2019 18:09

Tgt Ion: 63 Resp: 619852

Ion Ratio Lower Upper

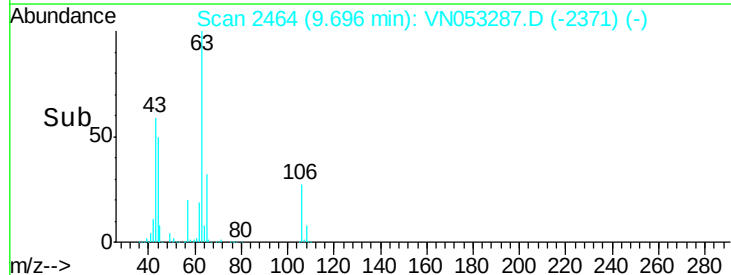
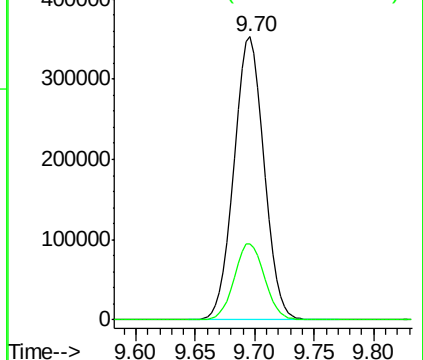
63 100

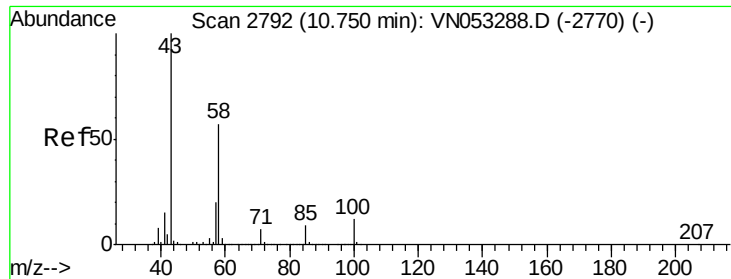
106 27.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





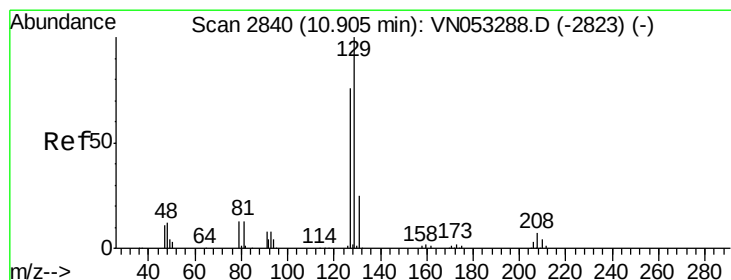
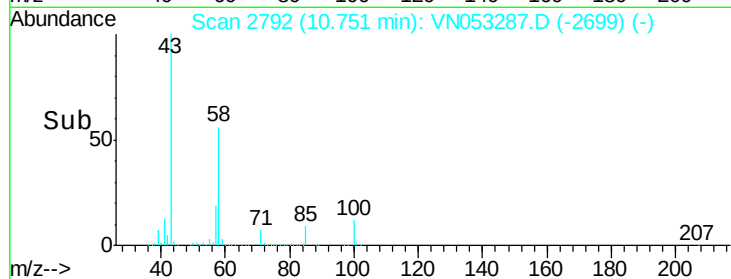
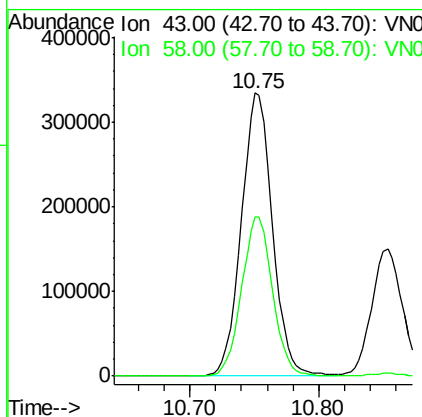
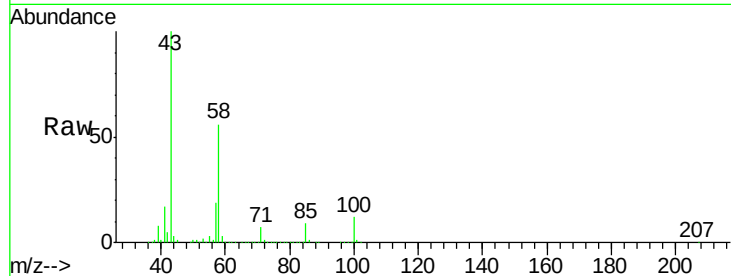
#59
2-Hexanone
Concen: 96.141 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 557918
Ion Ratio Lower Upper
43 100
58 56.5 28.3 85.0

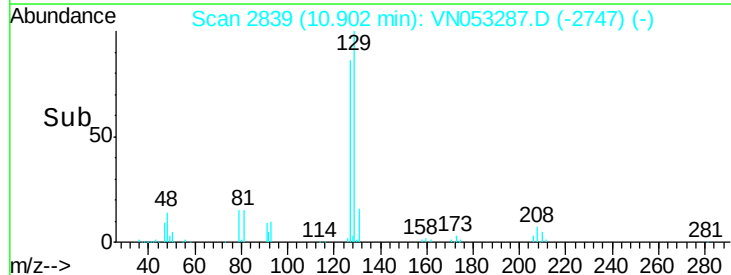
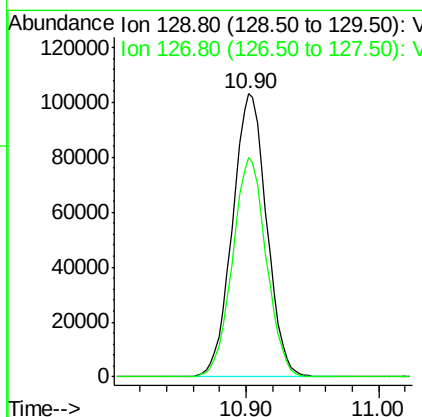
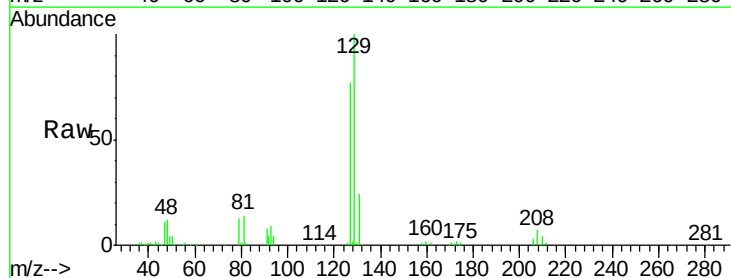
Manual Integrations
APPROVED

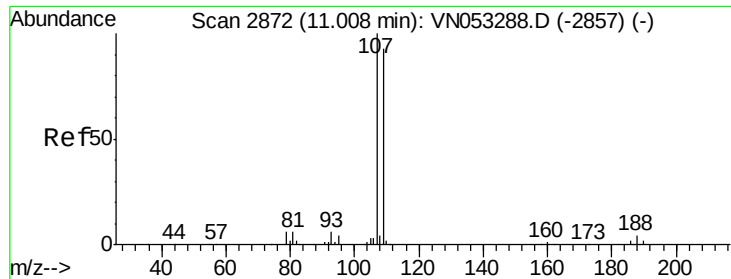
MMDadoda
1/8/2019 10:24:06 AM



#60
Dibromochloromethane
Concen: 19.060 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion: 129 Resp: 184166
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.307 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 107 Resp: 168993

Ion Ratio Lower Upper

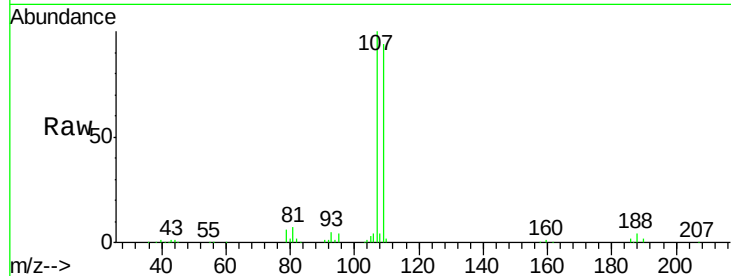
107 100

109 95.3 75.0 112.6

Manual Integrations
APPROVED

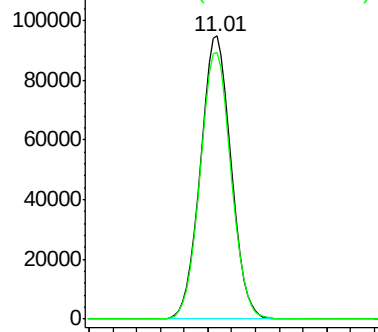
MMDadoda

1/8/2019 10:24:06 AM

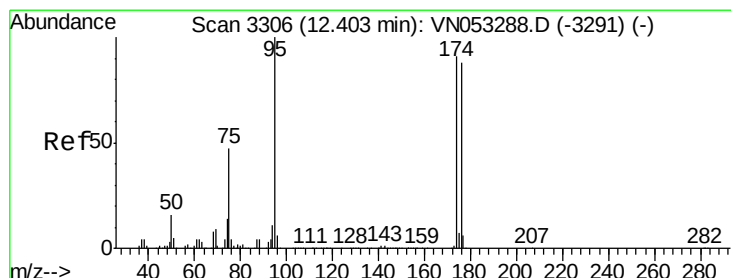
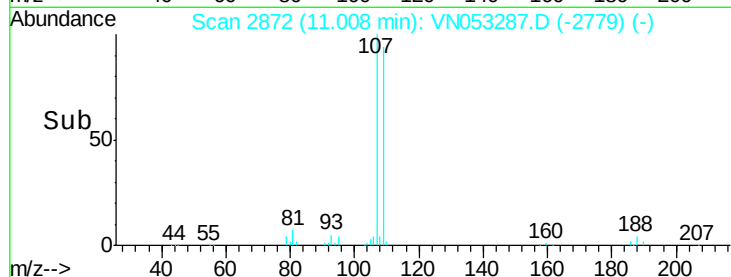


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 19.307 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

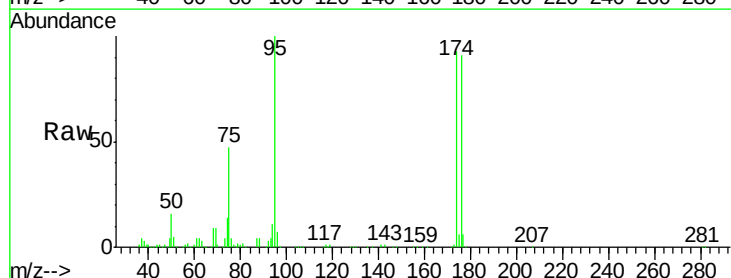
Tgt Ion: 95 Resp: 234293

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.4

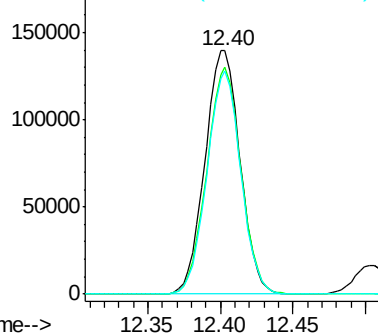
176 88.0 0.0 175.6



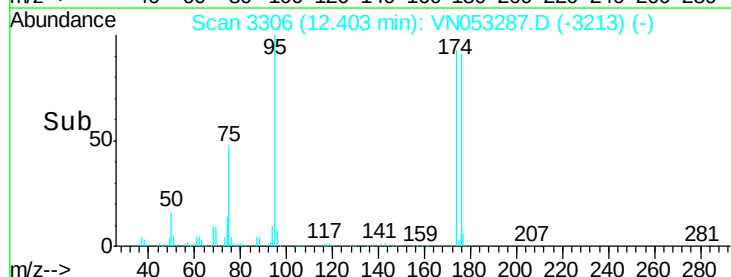
Abundance Ion 94.90 (94.60 to 95.60): V

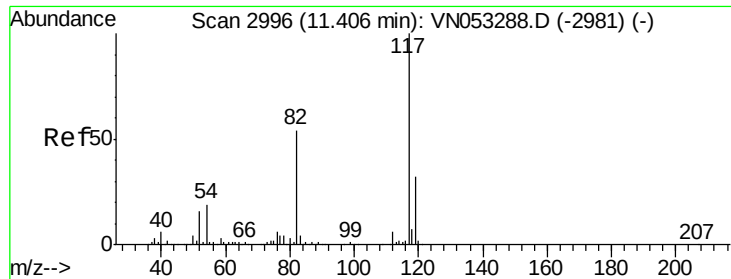
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.35 12.40 12.45





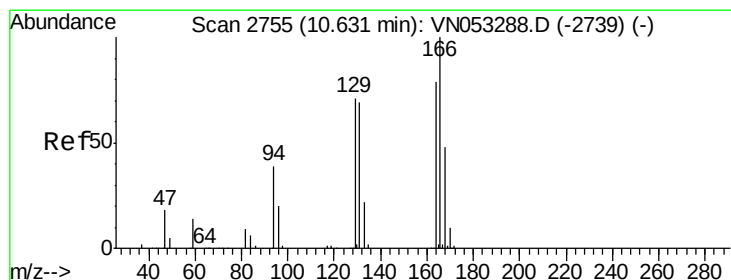
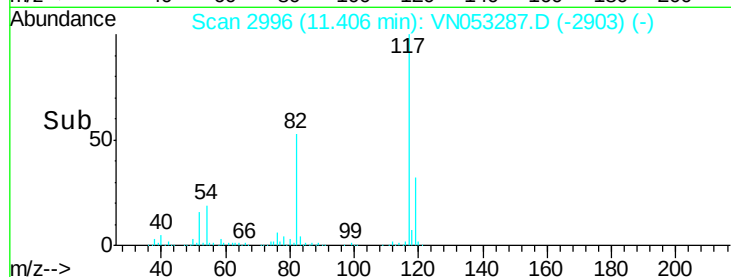
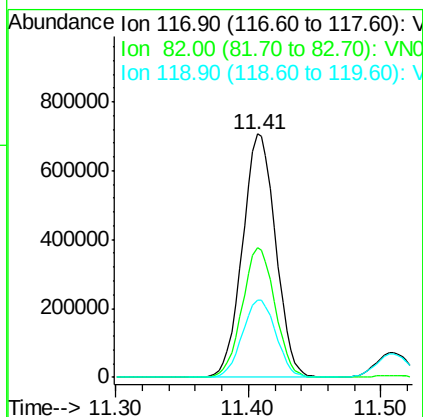
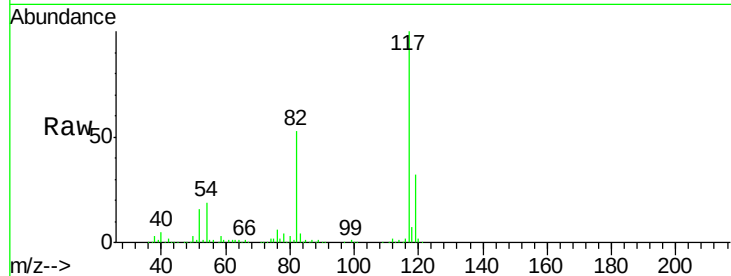
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.9	64.3
119	31.7	25.6	38.4

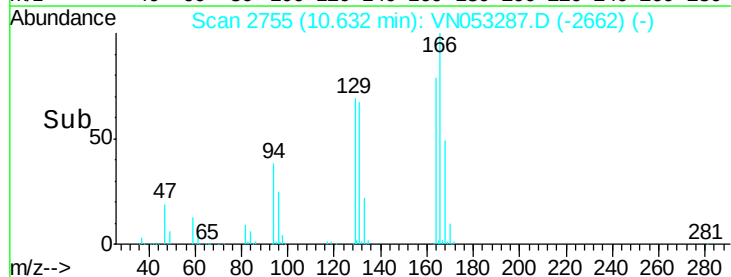
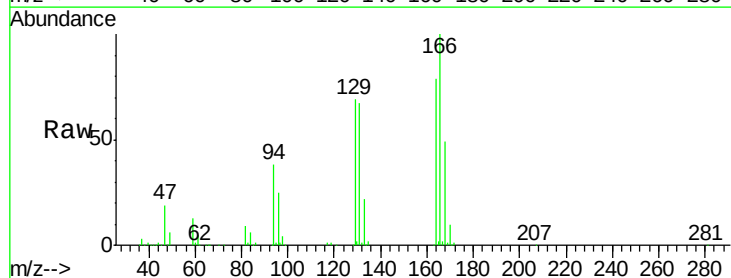
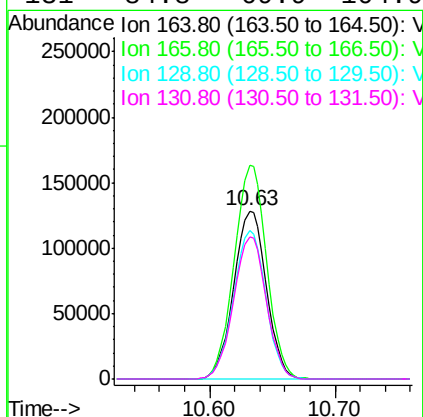
Manual Integrations
APPROVED

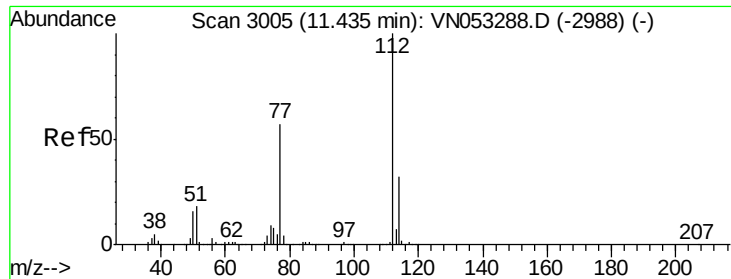
MMDadoda
1/8/2019 10:24:06 AM



#64
Tetrachloroethene
Concen: 19.903 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.7	152.5
129	88.0	72.1	108.1
131	84.8	69.9	104.9





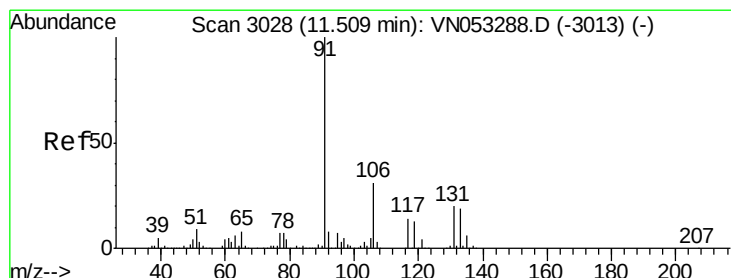
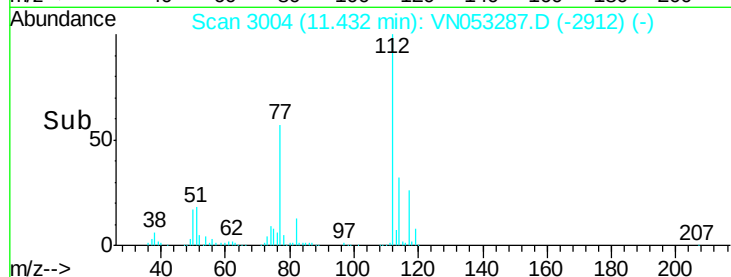
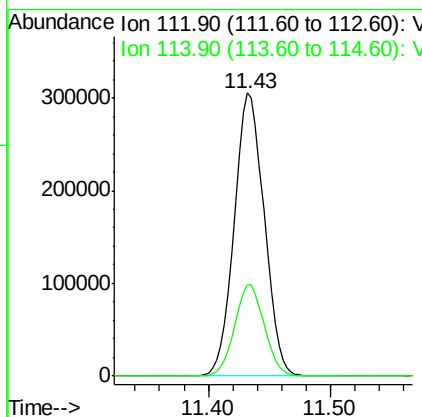
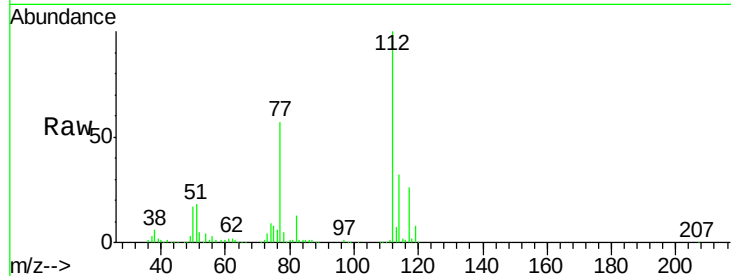
#65
Chlorobenzene
Concen: 19.524 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.6	38.4

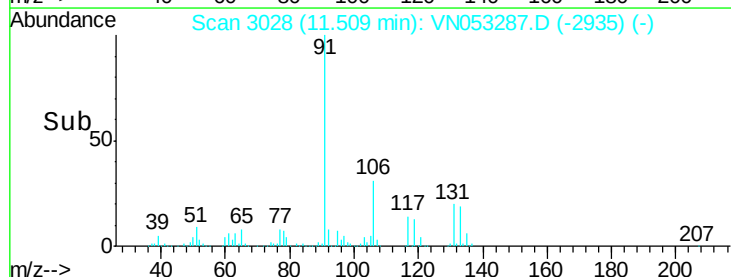
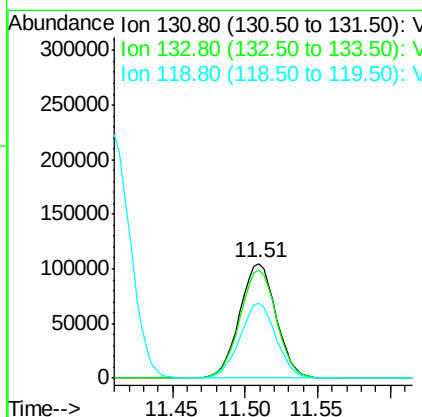
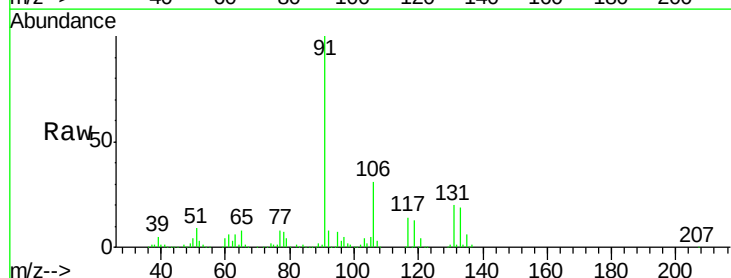
Manual Integrations
APPROVED

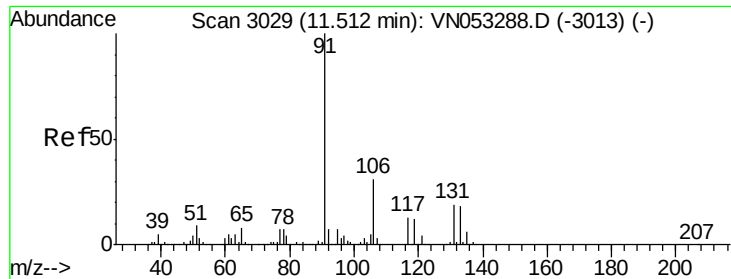
MMDadoda
1/8/2019 10:24:06 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.494 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	48.0	144.0
119	64.9	33.3	99.9





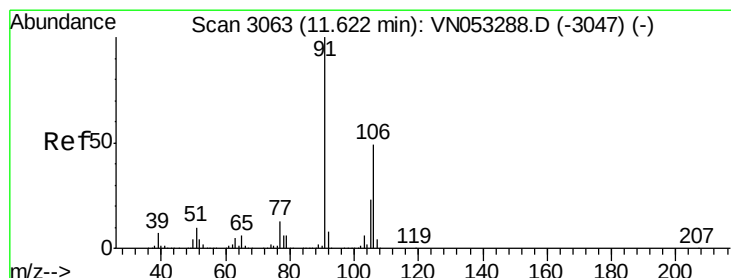
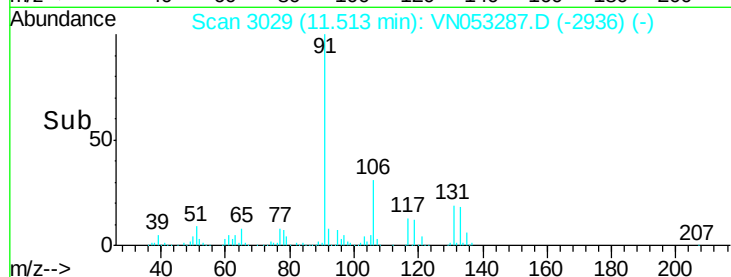
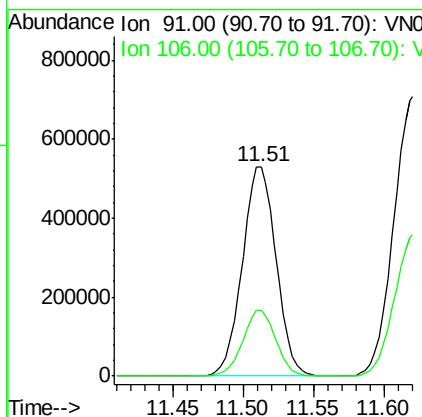
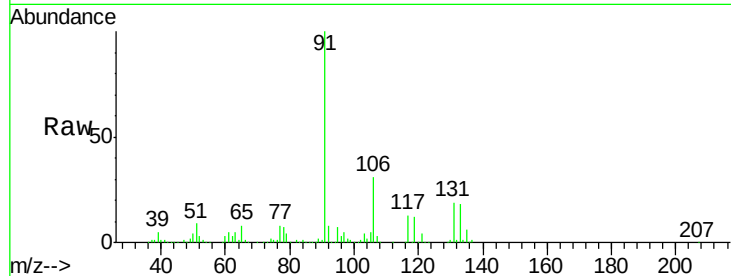
#67
Ethyl Benzene
Concen: 19.298 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 888839
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4

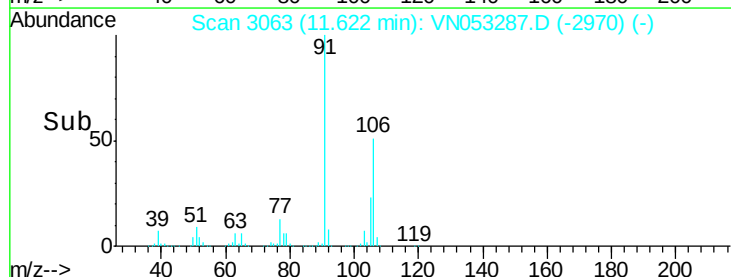
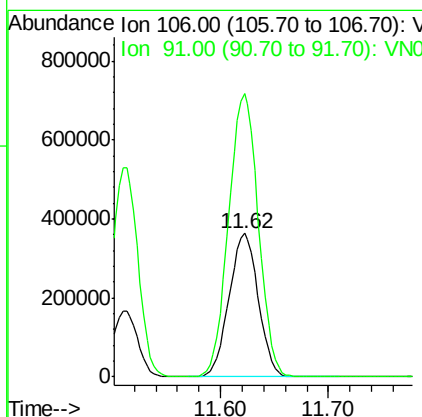
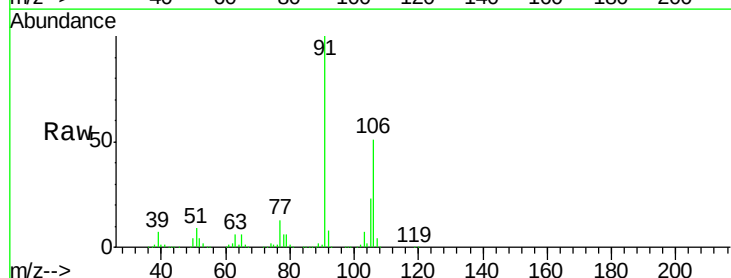
Manual Integrations
APPROVED

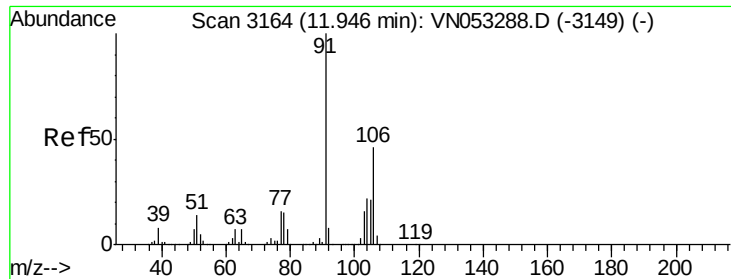
MMDadoda
1/8/2019 10:24:06 AM



#68
m/p-Xylenes
Concen: 38.930 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion: 106 Resp: 683484
Ion Ratio Lower Upper
106 100
91 200.7 161.4 242.2





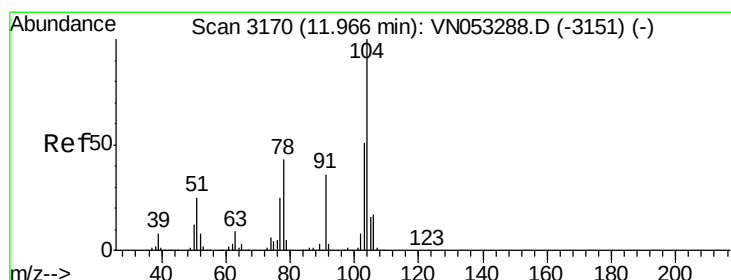
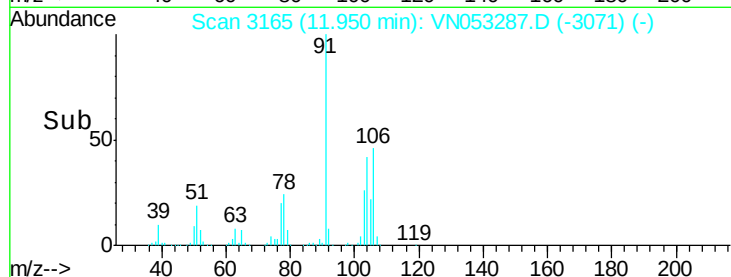
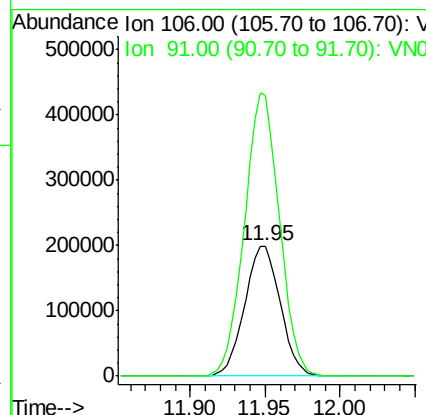
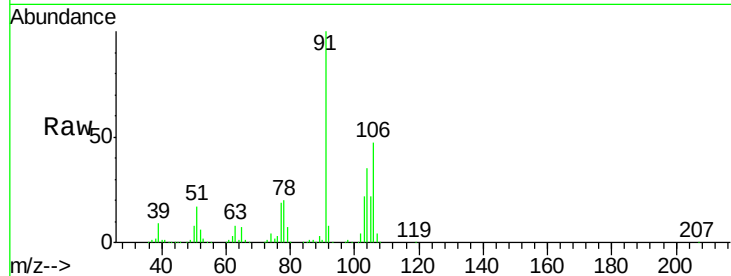
#69
o-Xylene
Concen: 19.404 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
330134	106	100			
	91	214.0	106.8	320.4	

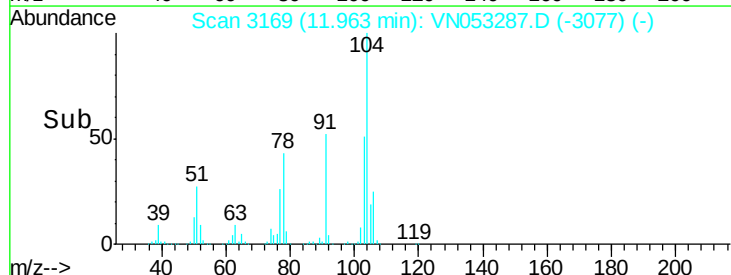
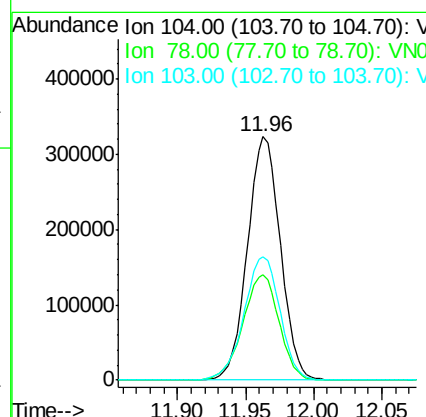
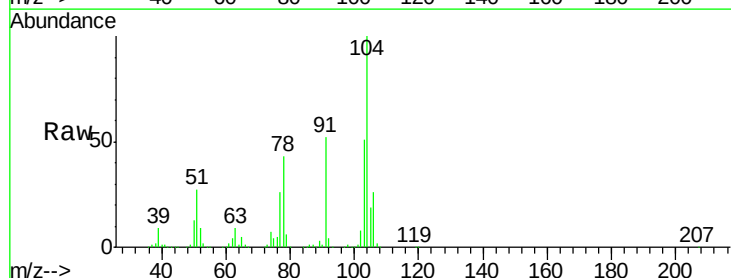
Manual Integrations
APPROVED

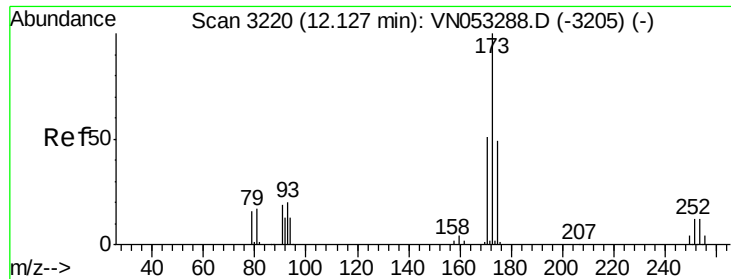
MMDadoda
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#70
Styrene
Concen: 19.229 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
542073	104	100			
	78	47.8	38.5	57.7	
	103	55.4	44.5	66.7	





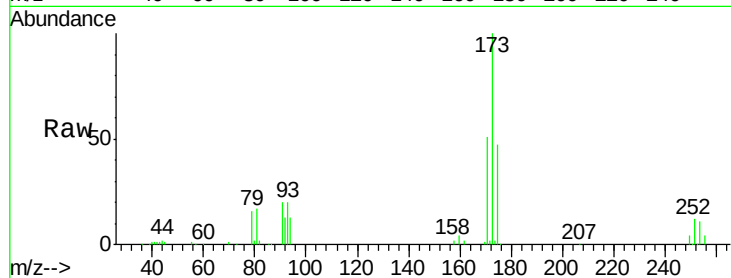
#71
Bromoform
Concen: 18.659 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.0	0.2	0.2

Manual Integrations
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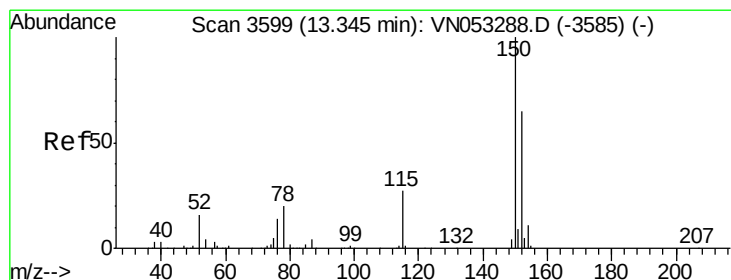
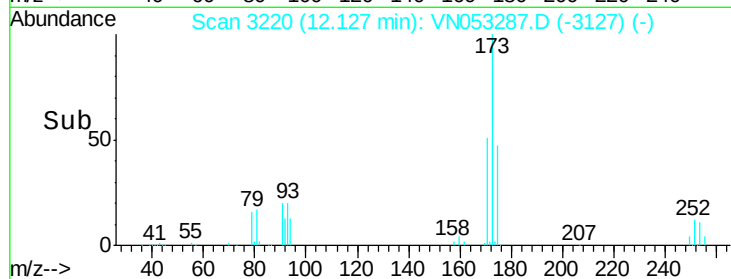
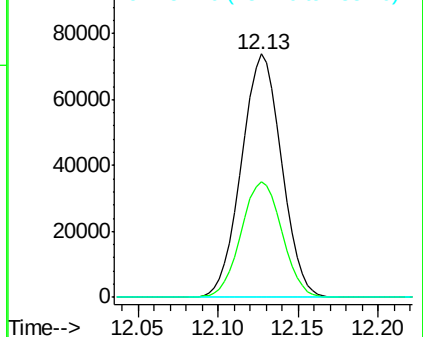


Abundance

Ion 172.70 (172.40 to 173.40): V

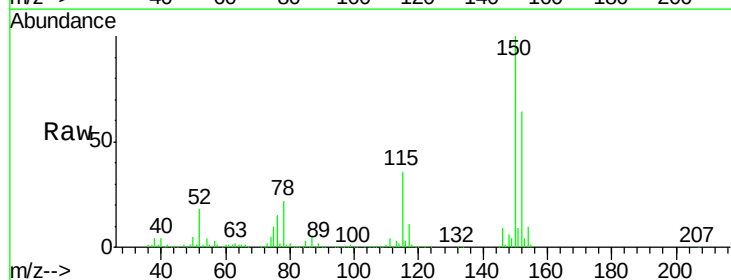
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.0	84.0
150	162.0	0.0	346.6

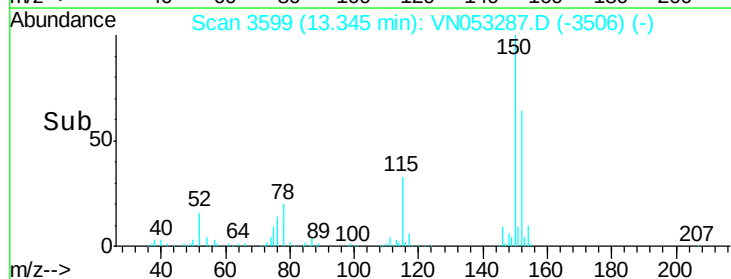
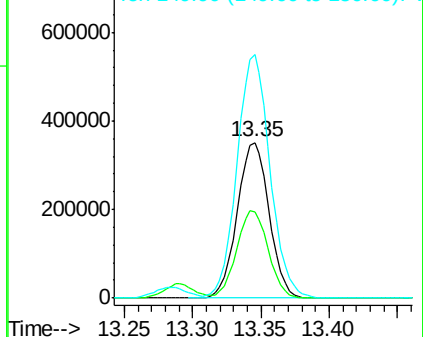


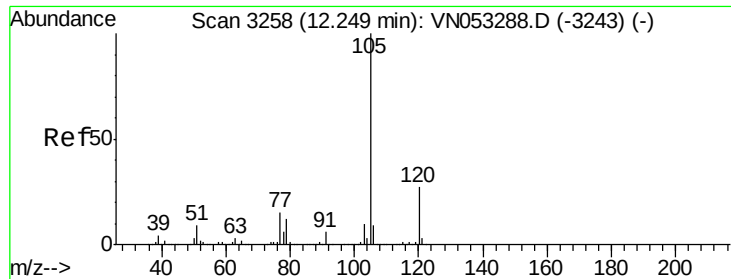
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.025 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 864474

Ion Ratio Lower Upper

105 100

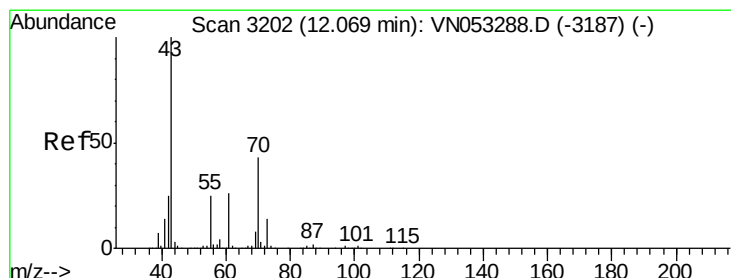
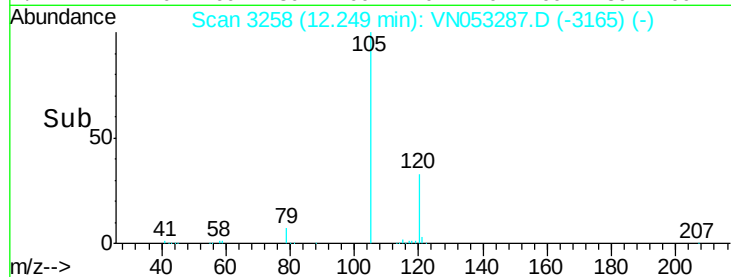
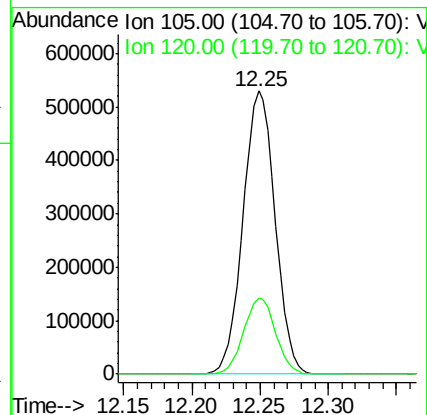
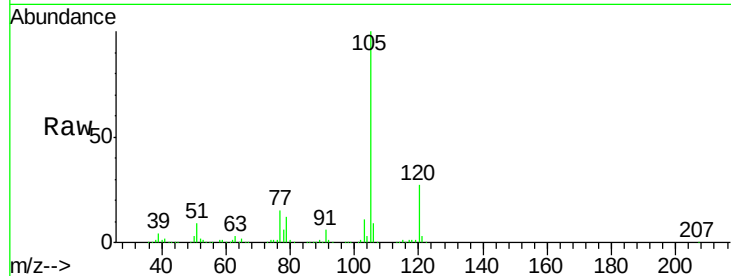
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.045 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tgt Ion: 43 Resp: 251067

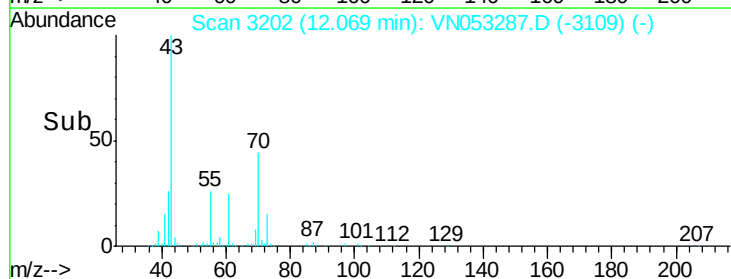
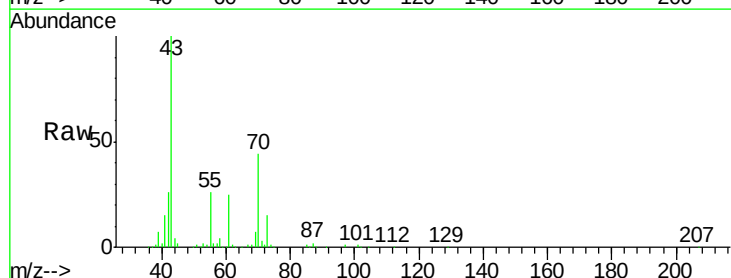
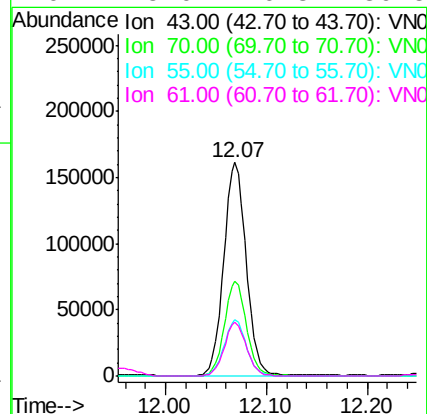
Ion Ratio Lower Upper

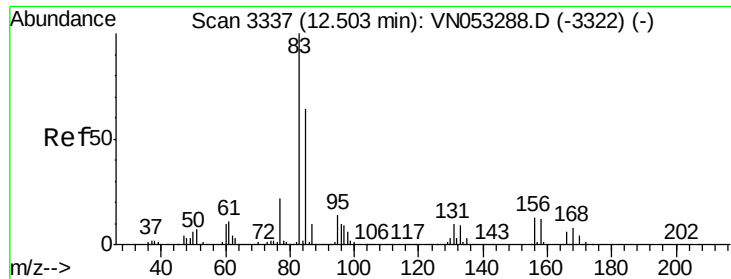
43 100

70 43.8 35.0 52.6

55 26.2 20.0 30.0

61 25.0 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.134 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

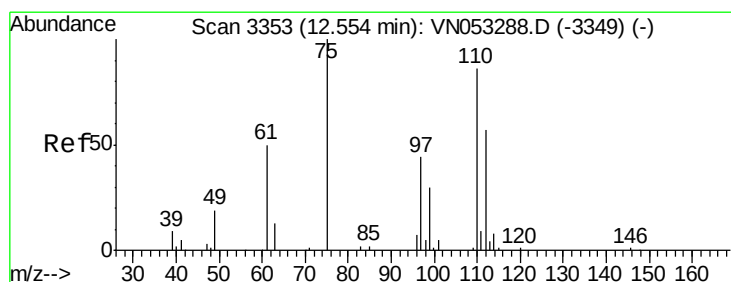
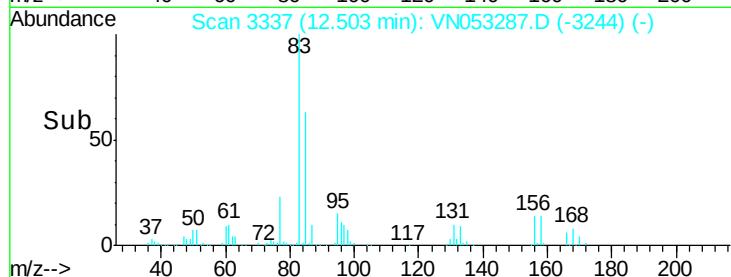
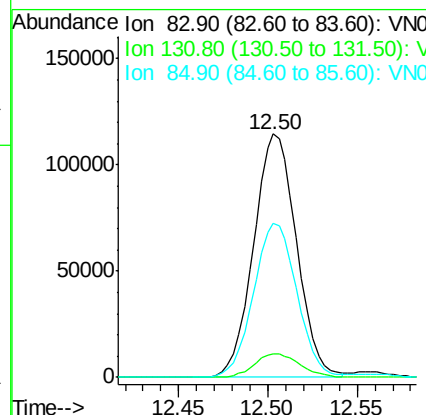
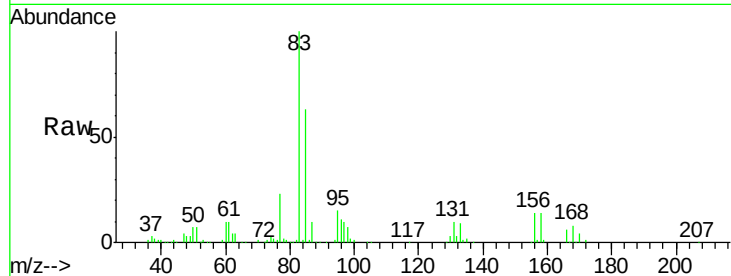
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	192399
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.063 ug/l m

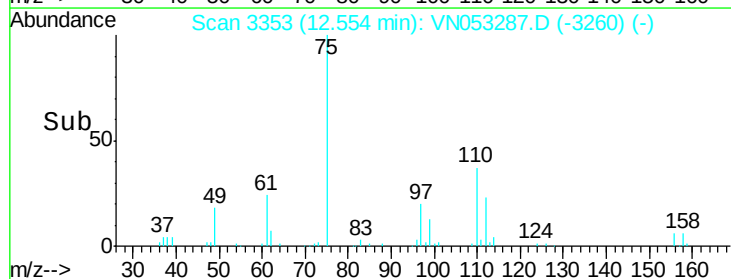
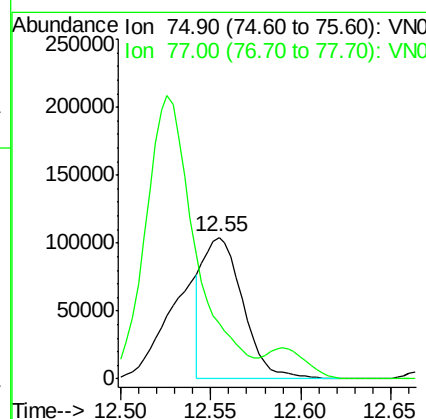
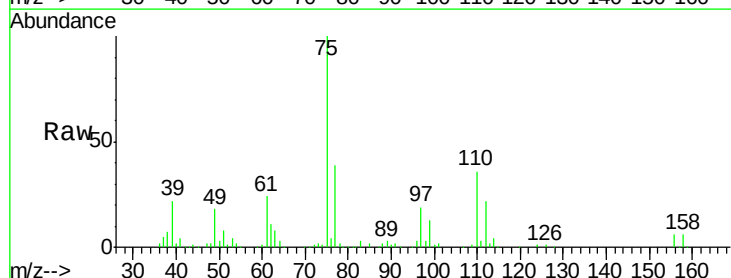
RT: 12.55 min Scan# 3353

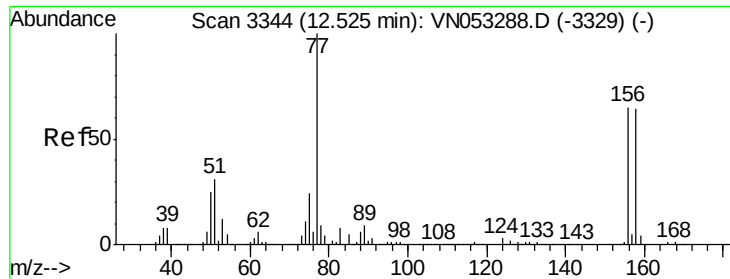
Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tgt Ion:	75	Resp:	162326
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.302 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

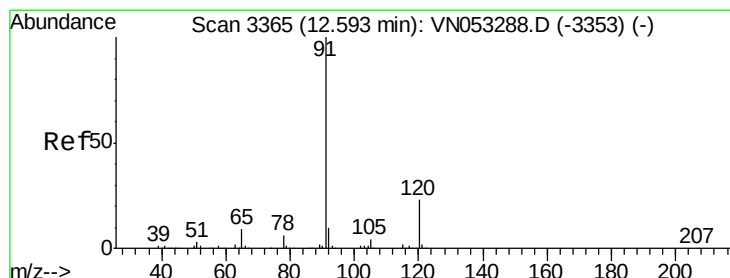
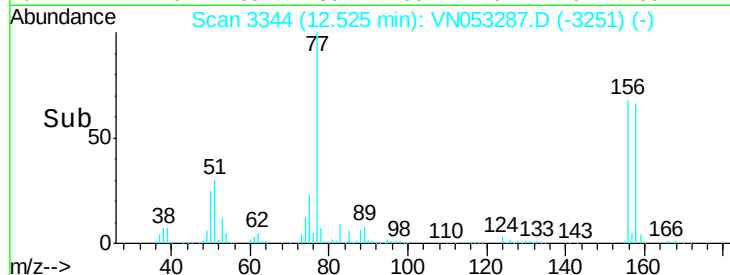
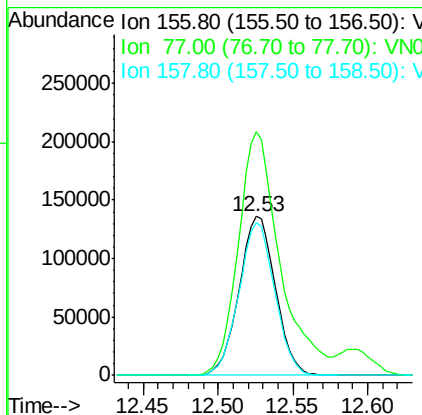
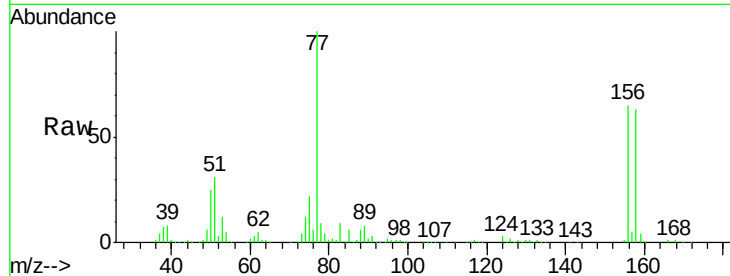
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	229201
Ion Ratio	Lower	Upper	
156	100		
77	176.4	89.3	268.1
158	95.4	48.9	146.8

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#78

n-propylbenzene

Concen: 19.785 ug/l

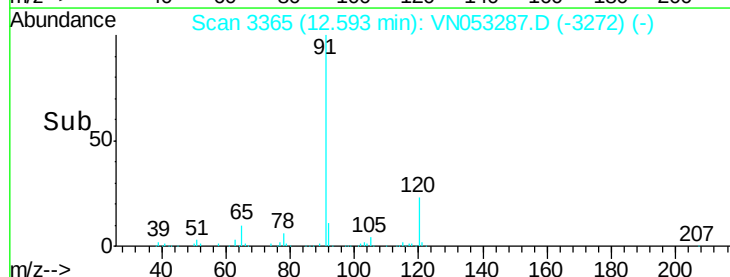
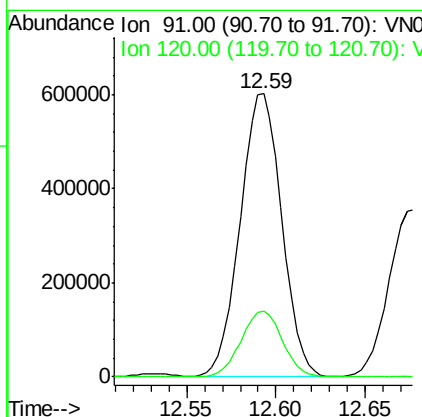
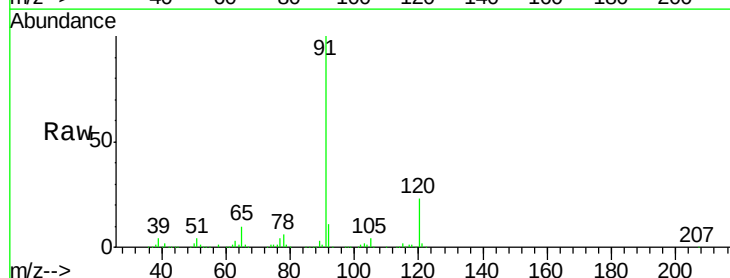
RT: 12.59 min Scan# 3365

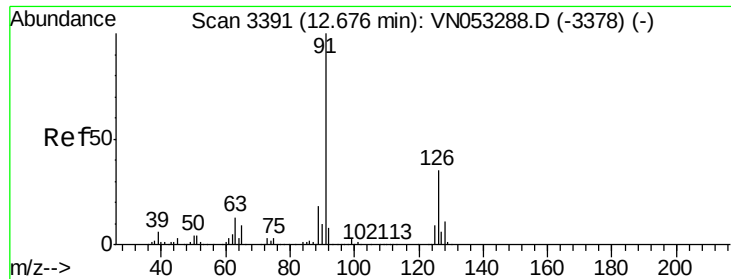
Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tgt Ion:	91	Resp:	973818
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.307 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 590464

Ion Ratio Lower Upper

91 100

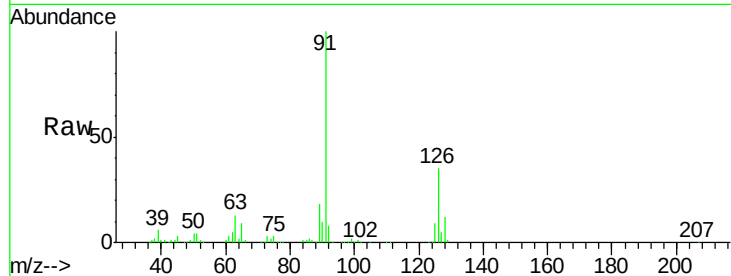
126 34.8 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053287.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053287.D (-3378) (-)

600000

500000

400000

300000

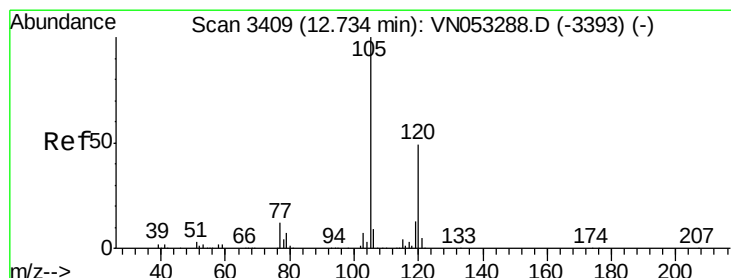
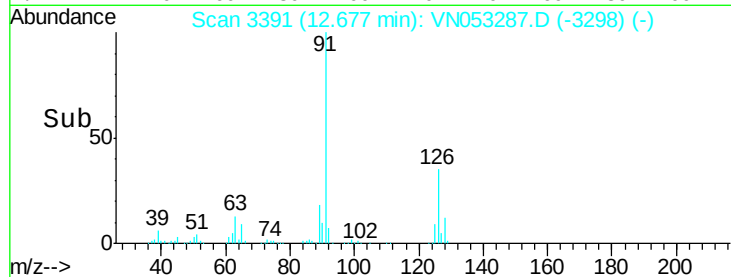
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.143 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053287.D

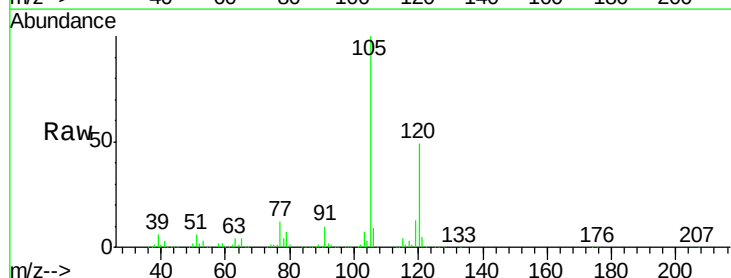
Acq: 4 Jan 2019 18:09

Tgt Ion: 105 Resp: 700177

Ion Ratio Lower Upper

105 100

120 49.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053287.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053287.D (-3393) (-)

500000

400000

300000

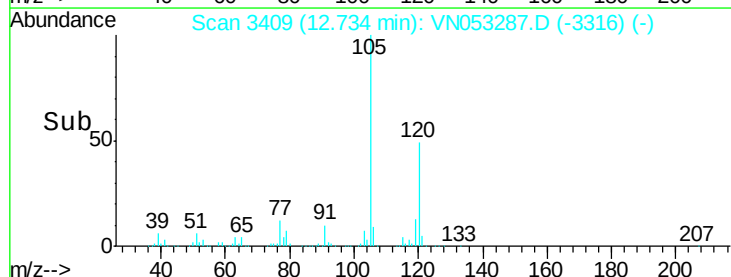
200000

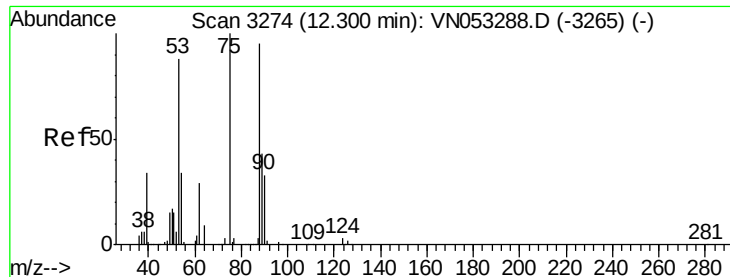
100000

0

12.70 12.80

Time-->





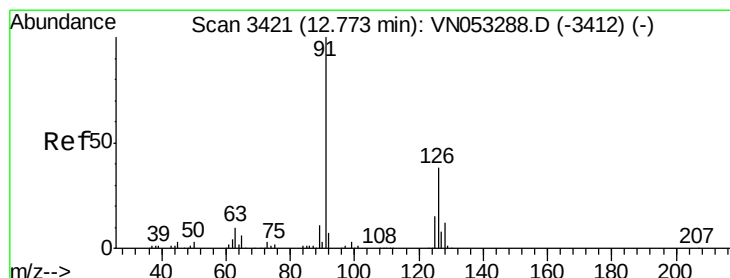
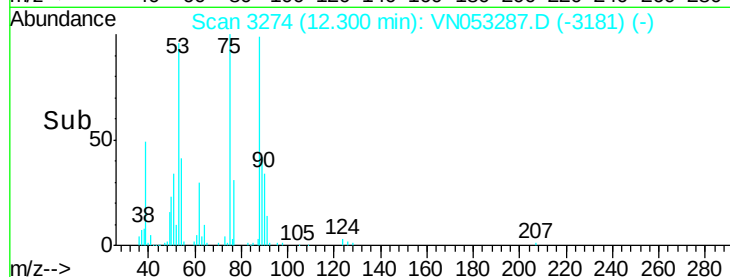
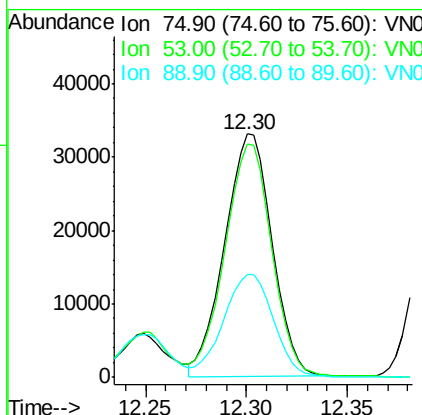
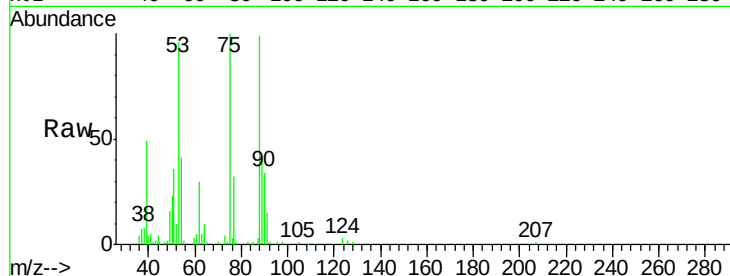
#81
trans-1,4-Dichloro-2-butene
Concen: 18.027 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.9	70.5	105.7
89	44.8	35.4	53.0

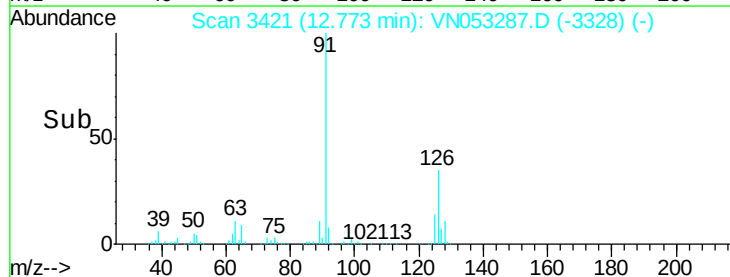
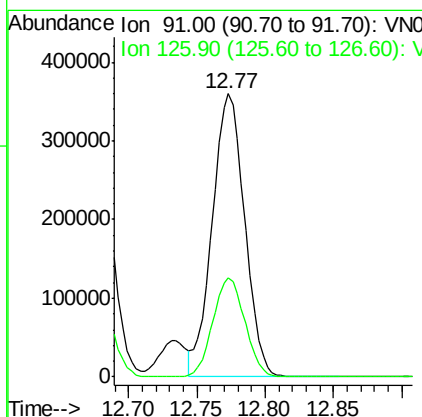
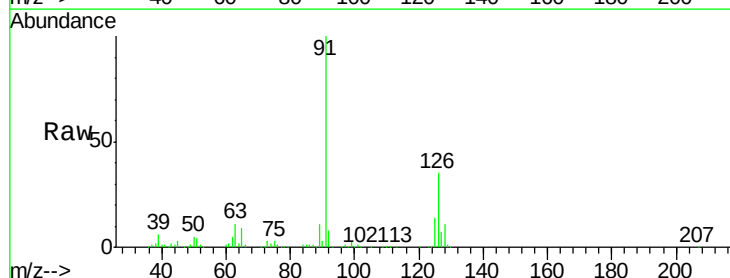
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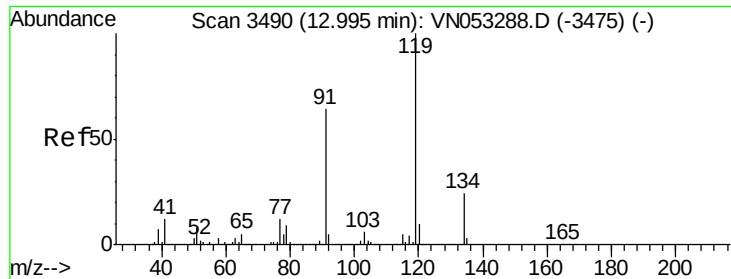
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#82
4-Chlorotoluene
Concen: 19.871 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053287.D
Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.4	52.2





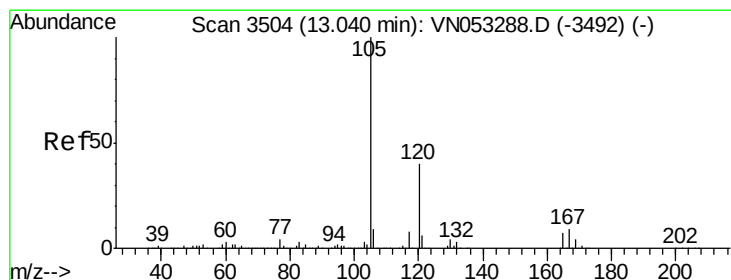
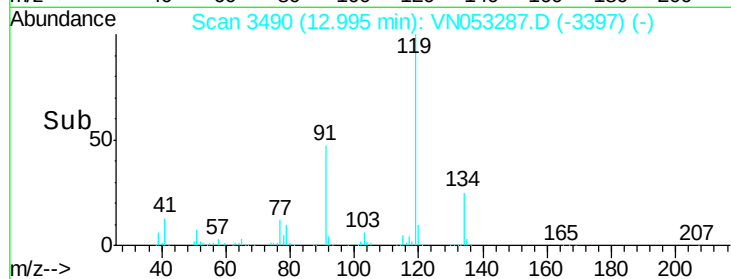
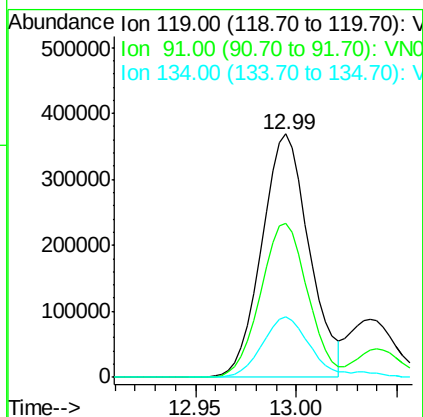
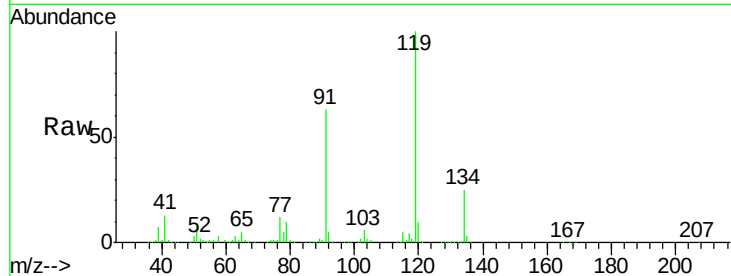
#83
 tert-Butylbenzene
 Concen: 20.155 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.6	95.0
134	24.7	12.9	38.6

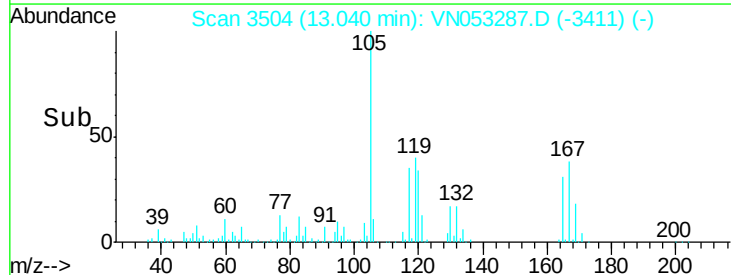
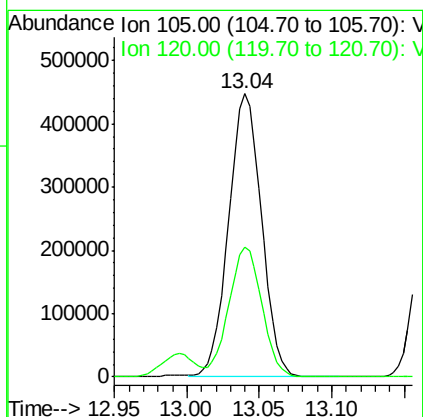
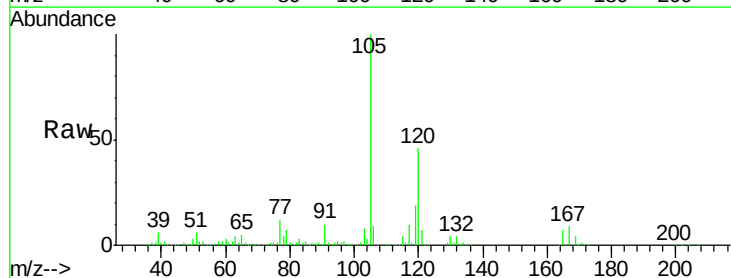
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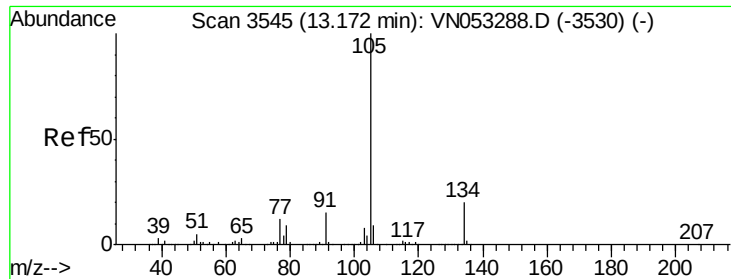
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.860 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.090 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 804432

Ion Ratio Lower Upper

105 100

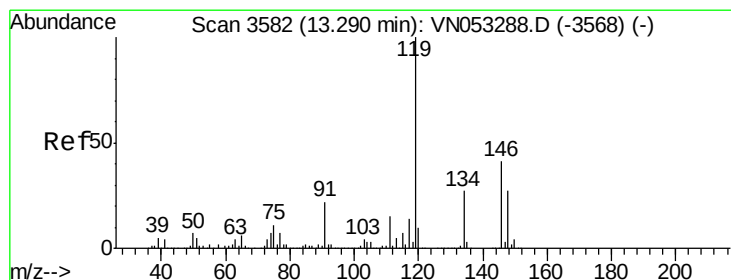
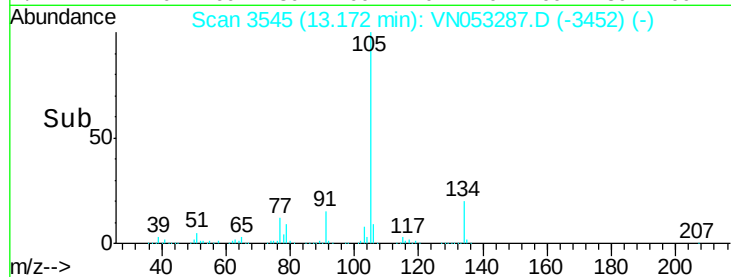
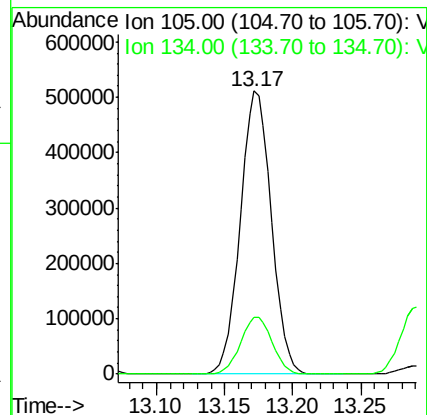
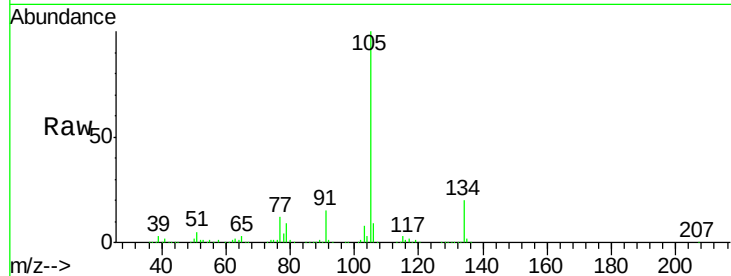
134 20.5 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.674 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

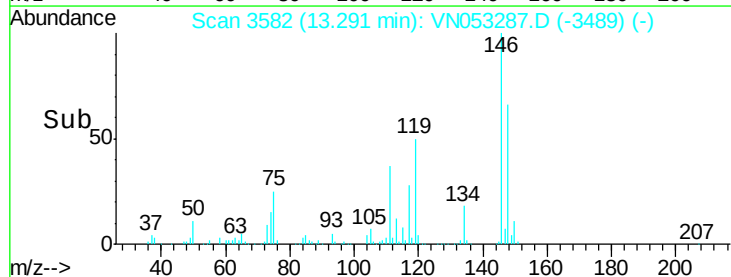
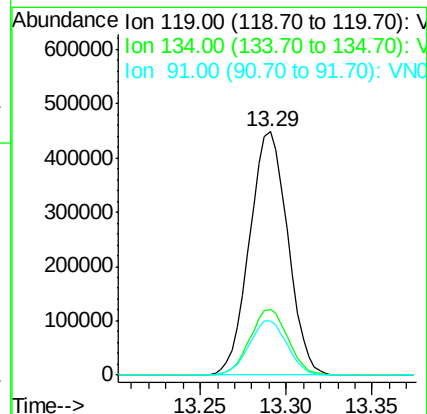
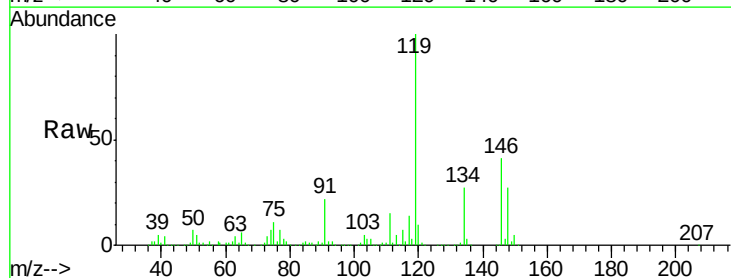
Tgt Ion:119 Resp: 691589

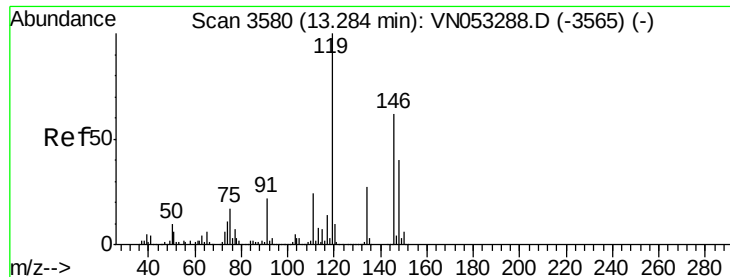
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.3 11.1 33.1





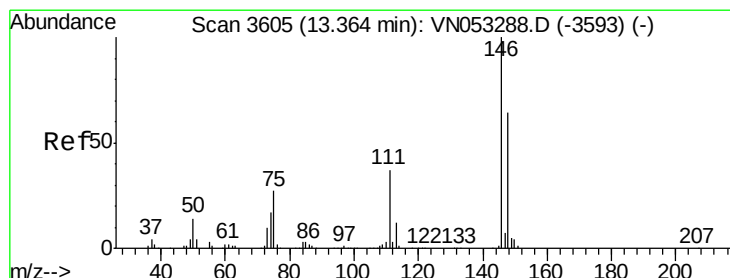
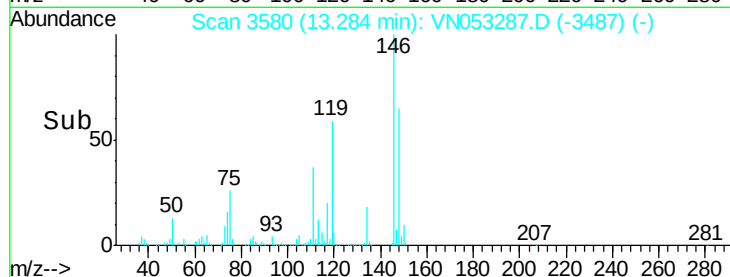
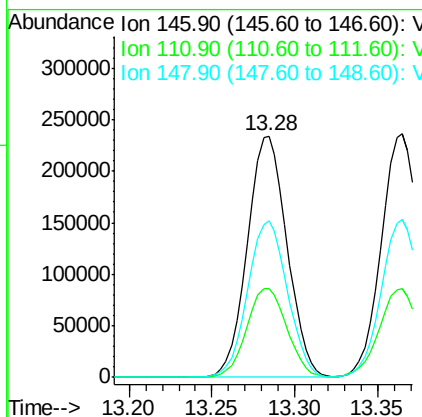
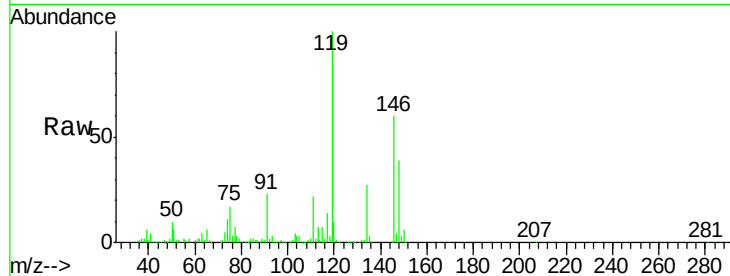
#87
 1,3-Dichlorobenzene
 Concen: 19.675 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.5
148	65.0	32.0	96.2

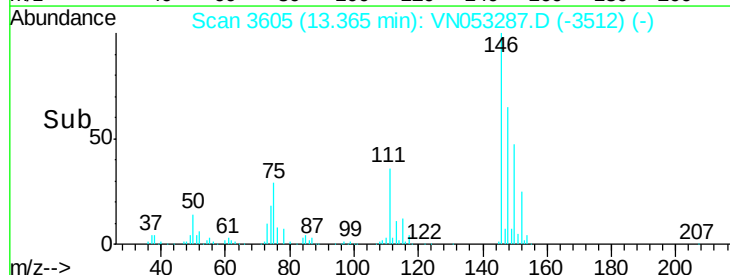
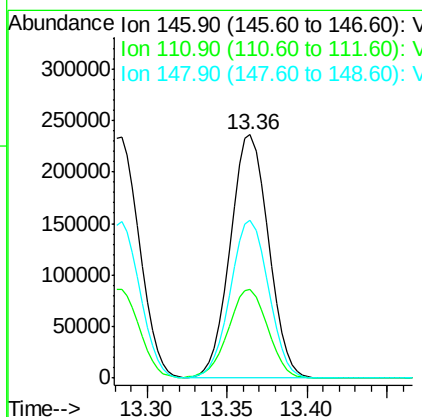
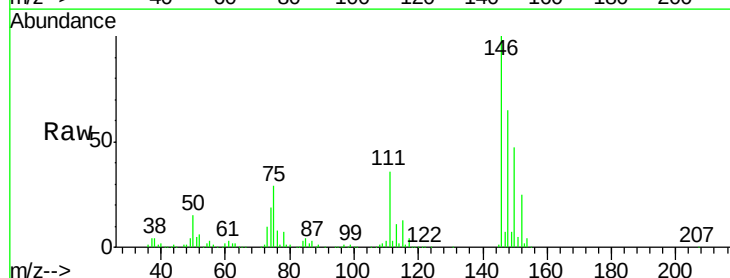
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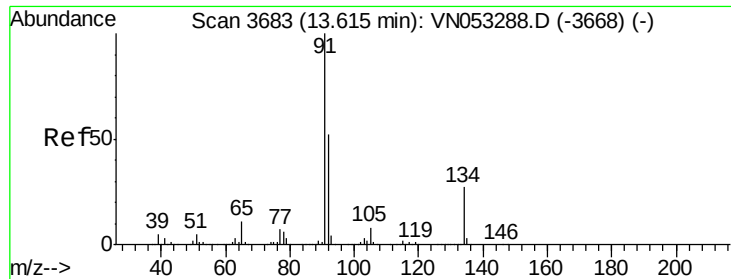
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#88
 1,4-Dichlorobenzene
 Concen: 19.704 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	65.0	32.0	96.0





#89

n-Butylbenzene

Concen: 19.290 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

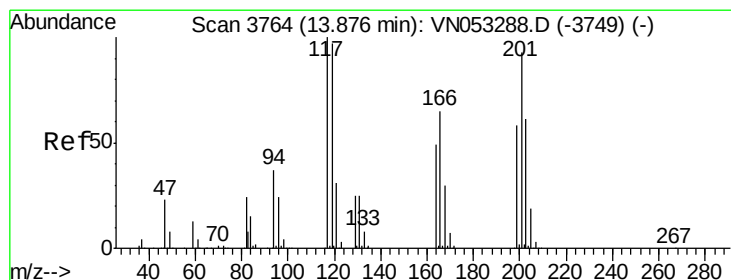
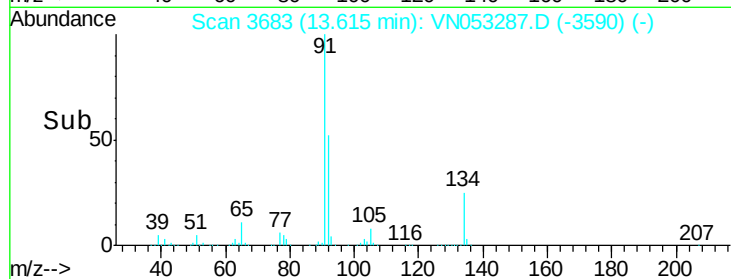
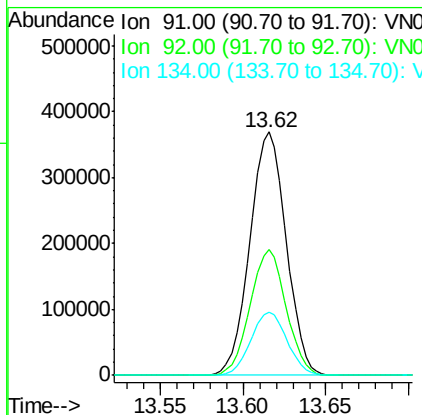
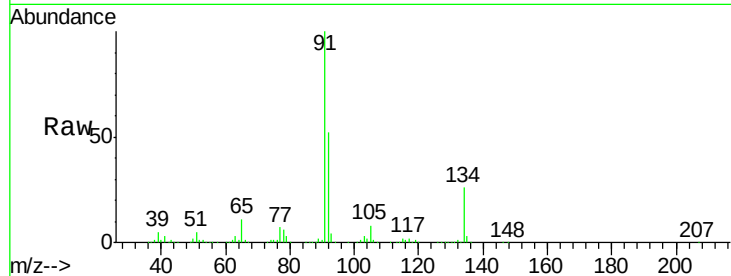
ClientSampled :

VSTDIC020

Tot Ion:	91	Resp:	561353
Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.3	78.8
134	26.0	13.5	40.5

Manual Integrations
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#90

Hexachloroethane

Concen: 19.058 ug/l

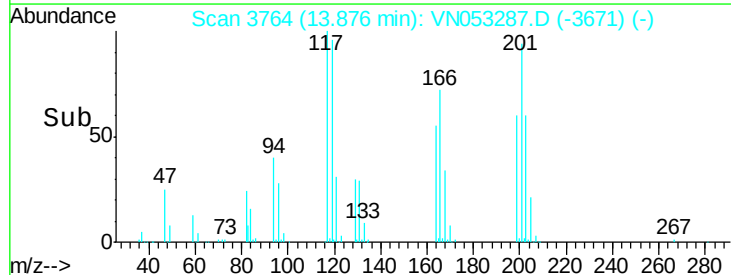
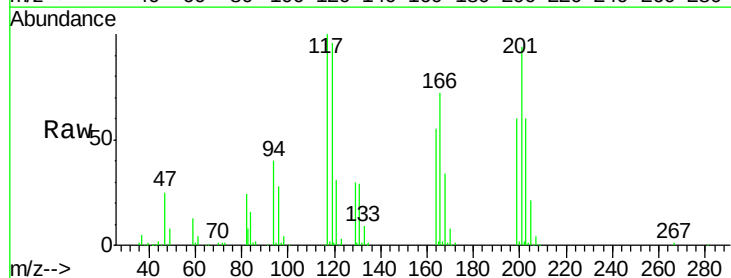
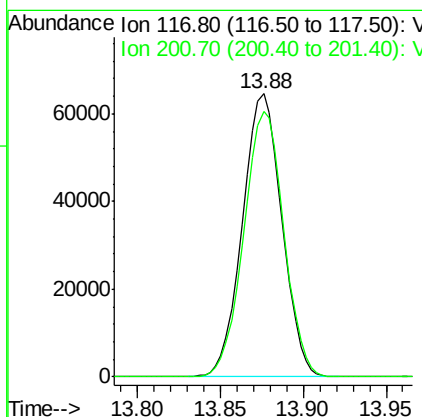
RT: 13.88 min Scan# 3764

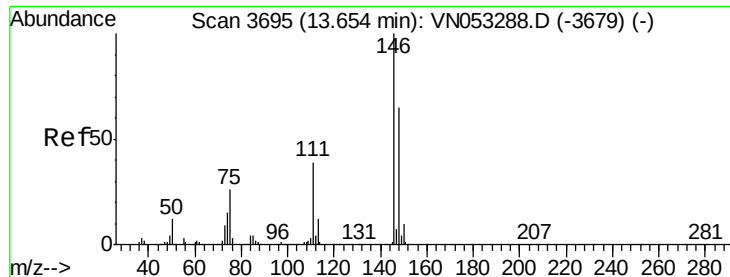
Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tgt Ion:	117	Resp:	106738
Ion	Ratio	Lower	Upper
117	100		
201	94.9	46.1	138.3





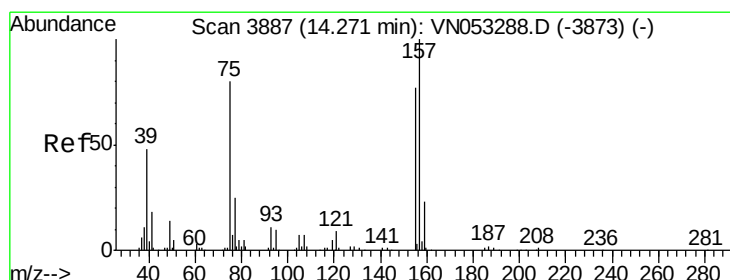
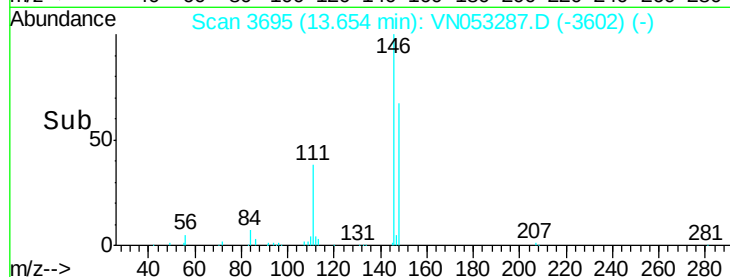
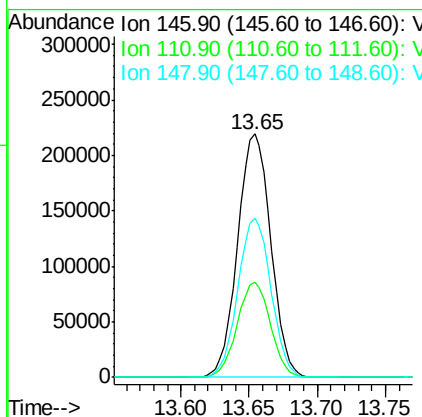
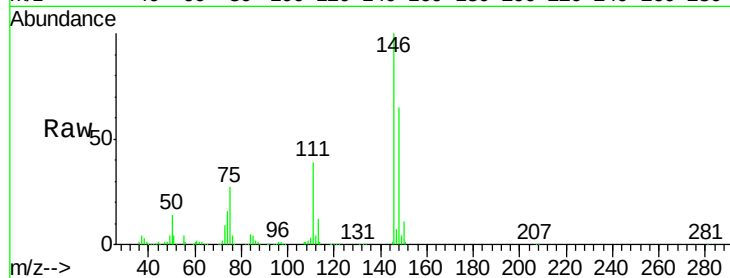
#91
 1,2-Dichlorobenzene
 Concen: 19.805 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.2
148	65.1	32.2	96.6

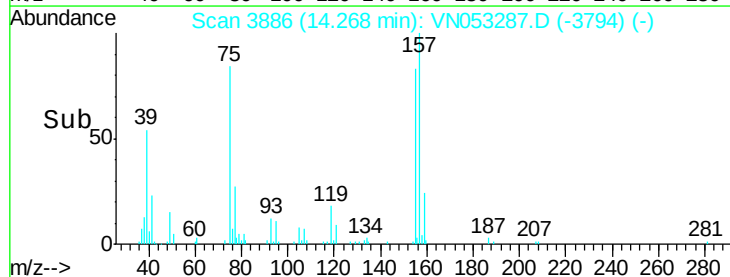
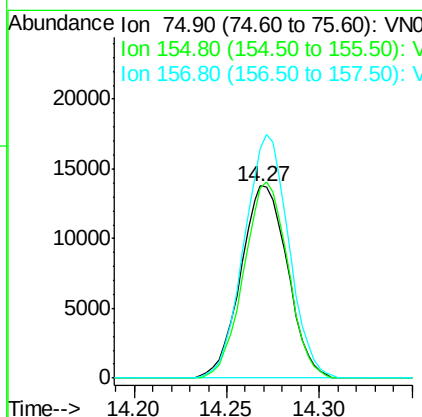
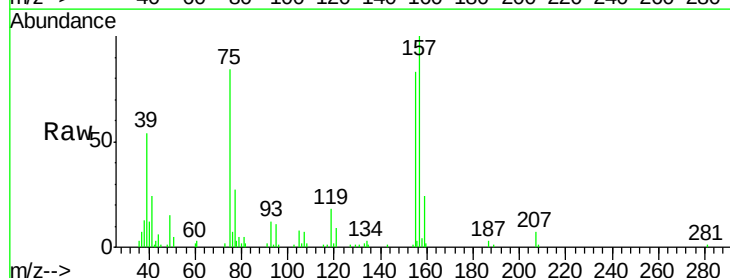
Manual Integrations
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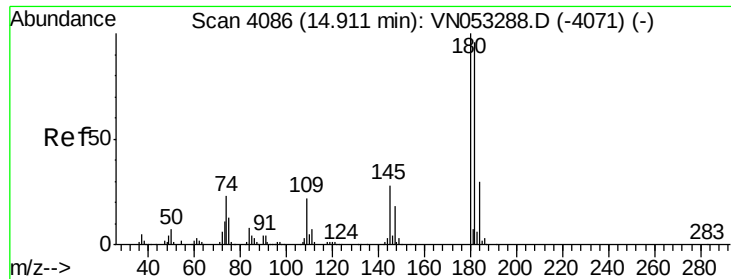
MMDadoda
 1/8/2019 10:24:06 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.264 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	48.1	144.3
157	120.9	61.5	184.4





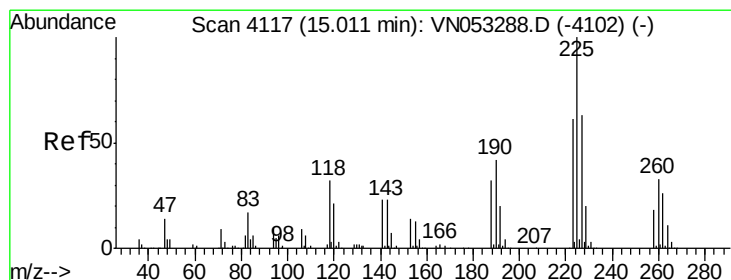
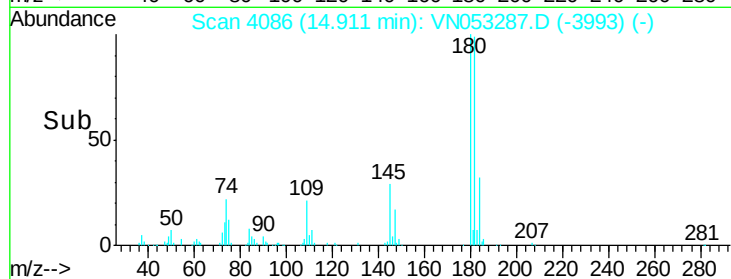
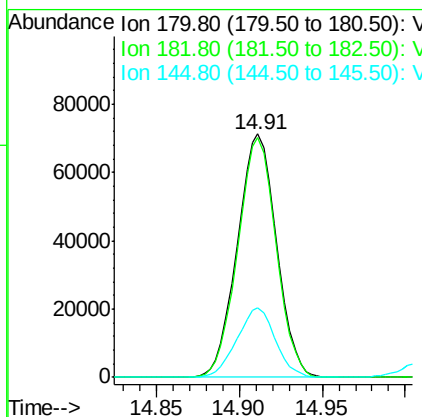
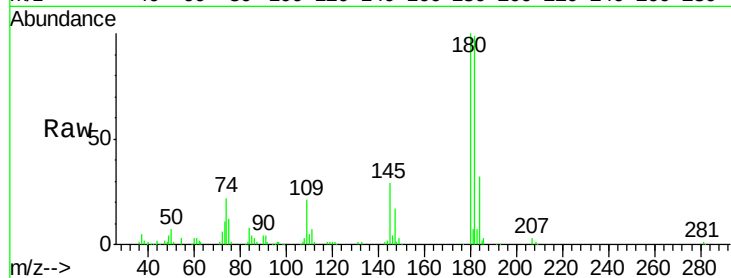
#93
 1,2,4-Trichlorobenzene
 Concen: 18.807 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116752		
182	96.5	47.8	143.4	
145	28.0	14.4	43.0	

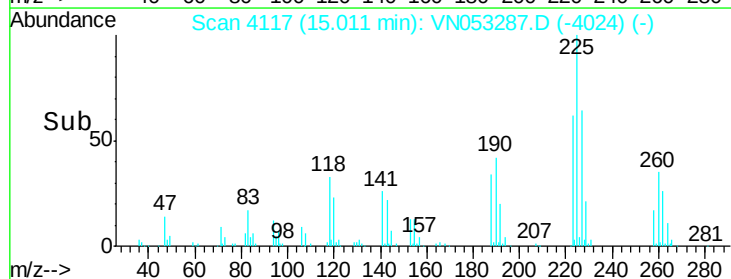
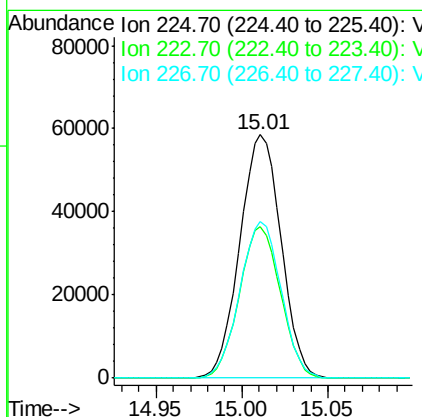
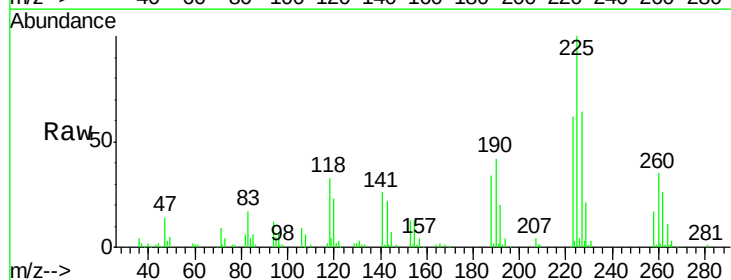
Manual Integrations
 APPROVED

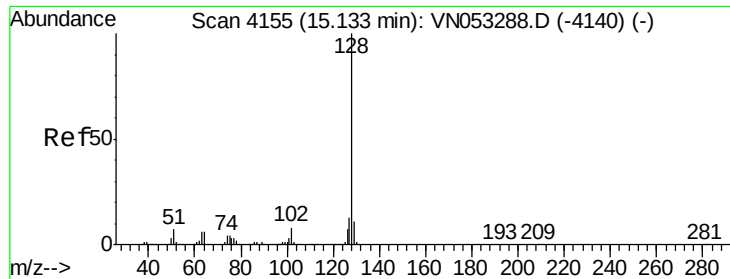
MMDadoda
 1/8/2019 10:24:06 AM



#94
 Hexachlorobutadiene
 Concen: 19.797 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053287.D
 Acq: 4 Jan 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97426		
223	62.0	30.9	92.8	
227	64.3	31.4	94.2	





#95

Naphthalene

Concen: 18.032 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Instrument :

MSVOA_N

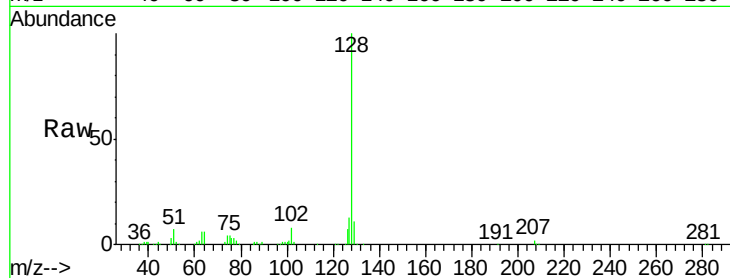
ClientSampled :

VSTDIC020

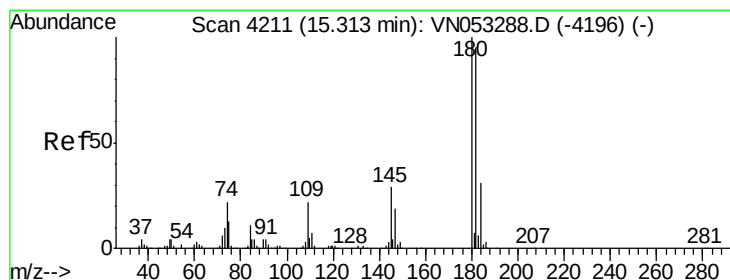
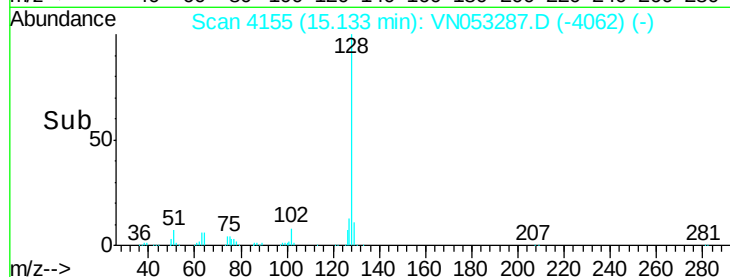
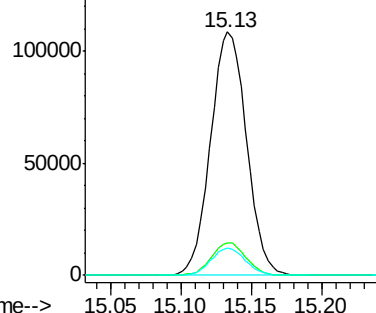
Tot Ion:	128	Resp:	194304
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/8/2019 10:24:06 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.788 ug/l

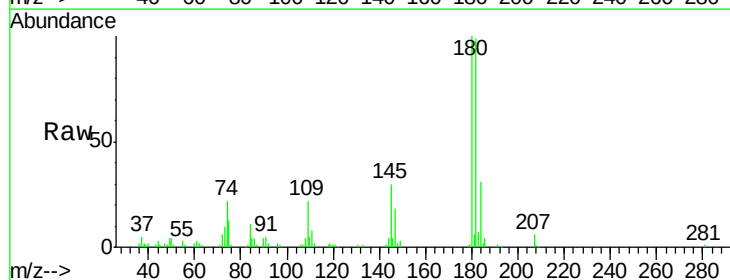
RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053287.D

Acq: 4 Jan 2019 18:09

Tgt Ion:	180	Resp:	75027
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.4	145.0
145	28.9	14.9	44.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

