

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055414.D
 Acq On : 6 May 2019 13:14
 Operator : JC/SP
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 1:22:38 PM

Quant Time: May 07 01:54:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	387926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	644065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	534373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	201000	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	261813	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	7.59	113	209964	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	10.09	98	734847	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	12.40	95	238418	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	91212	19.191	ug/l	98
3) Chloromethane	2.06	50	100568	17.088	ug/l	100
4) Vinyl Chloride	2.19	62	91052	19.193	ug/l	99
5) Bromomethane	2.57	94	51033	20.308	ug/l	98
6) Chloroethane	2.71	64	51699	20.116	ug/l	99
7) Trichlorofluoromethane	3.02	101	135311	20.058	ug/l	97
8) Diethyl Ether	3.41	74	48067	20.366	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79221	19.721	ug/l	99
10) Methyl Iodide	3.96	142	105639	18.686	ug/l	99
11) Tert butyl alcohol	4.79	59	30474	104.882	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	76276	19.905	ug/l	99
13) Acrolein	3.62	56	15332	67.568	ug/l	98
14) Allyl chloride	4.33	41	157722	19.873	ug/l	98
15) Acrylonitrile	4.99	53	172717	105.755	ug/l	99
16) Acetone	3.82	43	141152	89.264	ug/l	99
17) Carbon Disulfide	4.06	76	171353	17.134	ug/l	97
18) Methyl Acetate	4.33	43	89749	22.734	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	231850	21.522	ug/l	100
20) Methylene Chloride	4.56	84	90923	18.838	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	80650	19.872	ug/l	95
22) Diisopropyl ether	5.95	45	337584	21.408	ug/l	94
23) Vinyl Acetate	5.90	43	1077583	104.264	ug/l	100
24) 1,1-Dichloroethane	5.85	63	172373	20.516	ug/l	99
25) 2-Butanone	6.84	43	202809	100.288	ug/l	99
26) 2,2-Dichloropropane	6.83	77	110523	19.049	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	95091	20.604	ug/l	98
28) Bromochloromethane	7.20	49	83459	19.706	ug/l	97
29) Tetrahydrofuran	7.22	42	144786	111.811	ug/l	96
30) Chloroform	7.37	83	163376	20.512	ug/l	100
31) Cyclohexane	7.66	56	153352	19.210	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	130473	20.184	ug/l	99
36) 1,1-Dichloropropene	7.79	75	111835	18.128	ug/l	99
37) Ethyl Acetate	6.93	43	90741	19.192	ug/l	99
38) Carbon Tetrachloride	7.78	117	109255	18.359	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	118057	17.999	ug/l	96
40) Benzene	8.04	78	352349	19.375	ug/l	99
41) Methacrylonitrile	7.18	41	52454	20.935	ug/l	94
42) 1,2-Dichloroethane	8.13	62	127228	19.752	ug/l	99
43) Isopropyl Acetate	8.17	43	159577	21.001	ug/l	99
44) Trichloroethene	8.84	130	87821	18.942	ug/l	100
45) 1,2-Dichloropropane	9.12	63	104668	19.955	ug/l	98
46) Dibromomethane	9.21	93	55011	19.187	ug/l	100
47) Bromodichloromethane	9.40	83	120576	19.604	ug/l	100
48) Methyl methacrylate	9.20	41	73997	19.810	ug/l	98
49) 1,4-Dioxane	9.20	88	15528	402.135	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	440738	103.024	ug/l	99
52) Toluene	10.16	92	200282	19.194	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	104291	19.532	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	126622	19.020	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	77227	19.930	ug/l	97
56) Ethyl methacrylate	10.43	69	96346	20.201	ug/l	99
57) 1,3-Dichloropropane	10.71	76	137207	20.185	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	100390	76.864	ug/l	100
59) 2-Hexanone	10.75	43	260812	97.438	ug/l	99
60) Dibromochloromethane	10.90	129	78514	19.826	ug/l	99
61) 1,2-Dibromoethane	11.00	107	70336	19.639	ug/l	99
64) Tetrachloroethene	10.63	164	87362	19.991	ug/l	99
65) Chlorobenzene	11.43	112	204308	19.555	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76762	18.764	ug/l	97
67) Ethyl Benzene	11.51	91	378686	20.072	ug/l	99
68) m/p-Xylenes	11.62	106	268799	39.915	ug/l	98
69) o-Xylene	11.95	106	134057	20.084	ug/l	100
70) Styrene	11.96	104	213943	20.876	ug/l	99
71) Bromoform	12.13	173	46947	20.681	ug/l #	99
73) Isopropylbenzene	12.25	105	362245	20.803	ug/l	100
74) N-amyl acetate	12.07	43	95791	18.570	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	90960	20.995	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	74091m	18.232	ug/l	
77) Bromobenzene	12.53	156	82184	20.115	ug/l	99
78) n-propylbenzene	12.59	91	386202	18.705	ug/l	100
79) 2-Chlorotoluene	12.67	91	244139	20.860	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	294268	18.674	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19446	18.334	ug/l	89
82) 4-Chlorotoluene	12.77	91	227040	18.912	ug/l	97
83) tert-Butylbenzene	12.99	119	248852	20.600	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	273297	19.393	ug/l	100
85) sec-Butylbenzene	13.17	105	318783	18.613	ug/l	100
86) p-Isopropyltoluene	13.29	119	266041	18.899	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	127788	18.999	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	124014	19.579	ug/l	99
89) n-Butylbenzene	13.61	91	179369	17.932	ug/l	99
90) Hexachloroethane	13.87	117	43257	18.412	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	133949	20.093	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12303	23.266	ug/l	94

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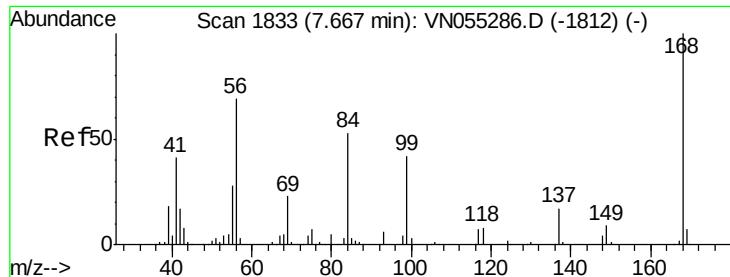
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	36210	16.176	ug/l	98
94) Hexachlorobutadiene	15.01	225	44800	20.693	ug/l	99
95) Naphthalene	15.13	128	80787	16.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41448	17.790	ug/l	96

(#) = 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: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion:168 Resp: 387926

Ion Ratio Lower Upper

168 100

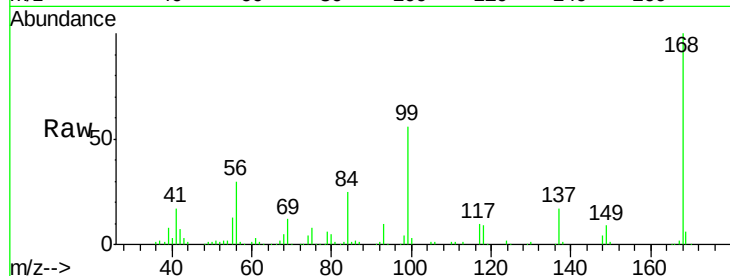
99 54.9 43.6 65.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

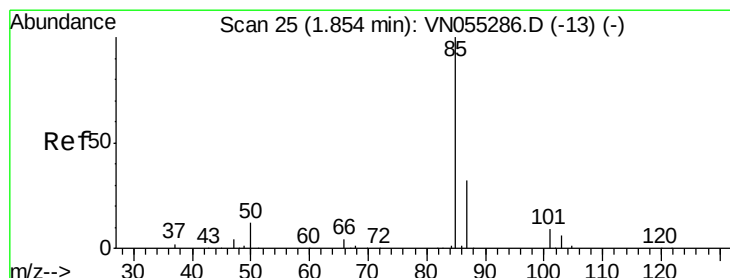
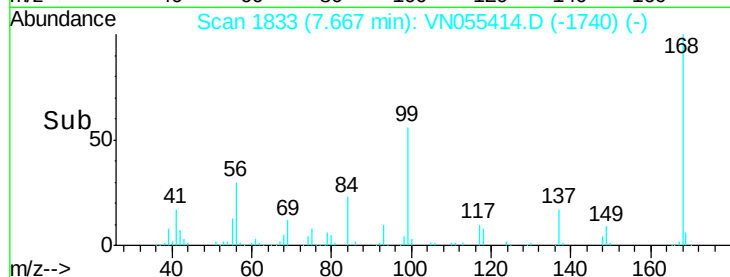
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 19.191 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055414.D

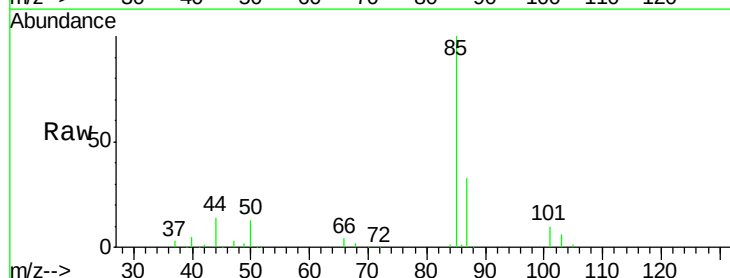
Acq: 6 May 2019 13:14

Tgt Ion: 85 Resp: 91212

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

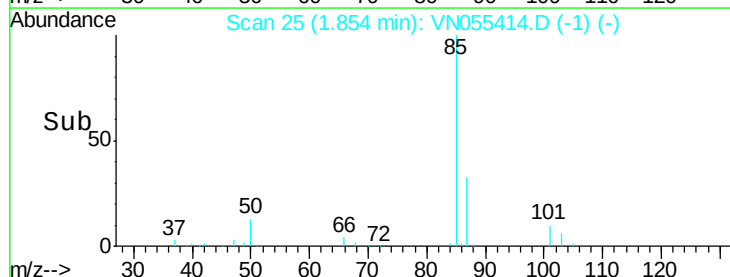
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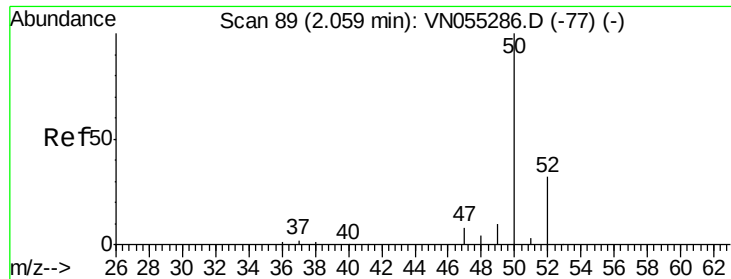
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.088 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 50 Resp: 100568

Ion Ratio Lower Upper

50 100

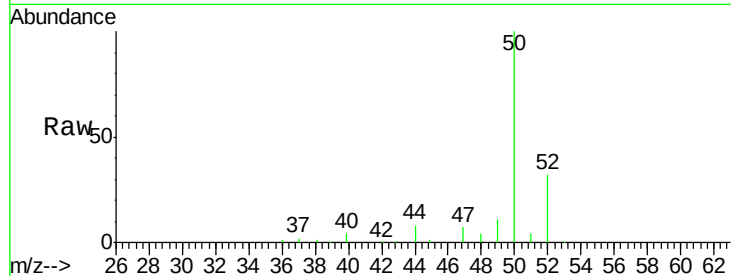
52 32.3 25.7 38.5

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

80000

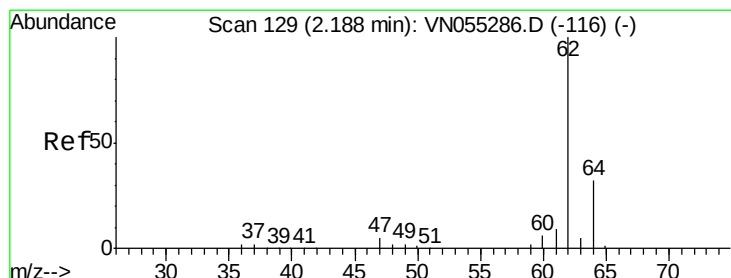
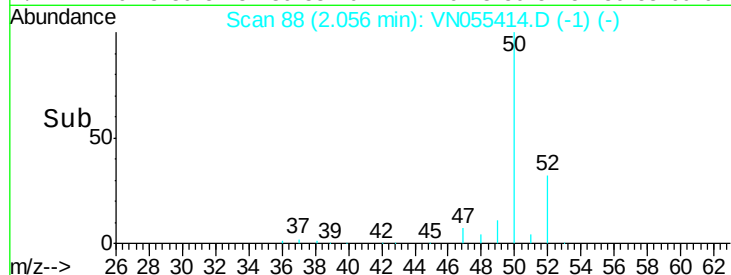
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.193 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055414.D

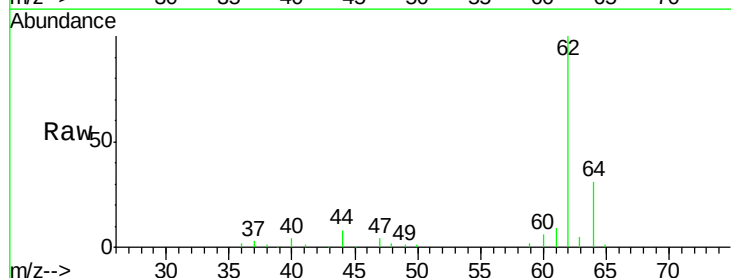
Acq: 6 May 2019 13:14

Tgt Ion: 62 Resp: 91052

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

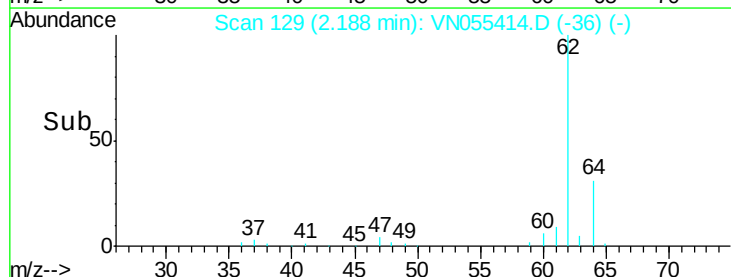
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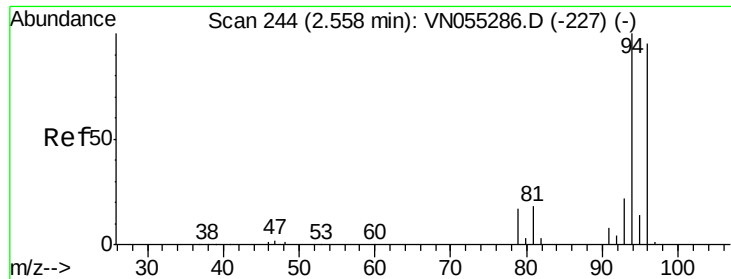
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.308 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 94 Resp: 51033

Ion Ratio Lower Upper

94 100

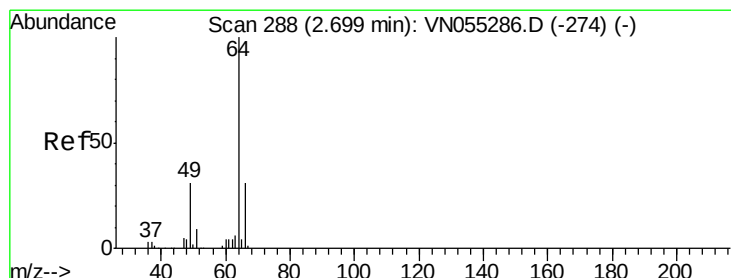
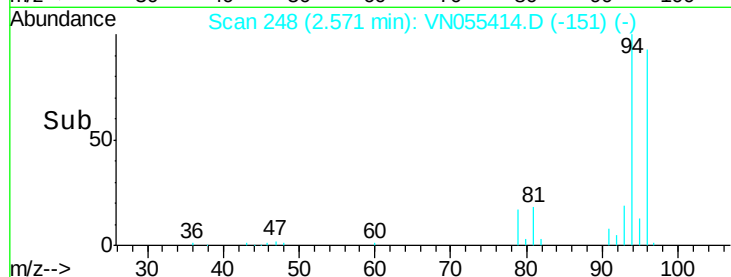
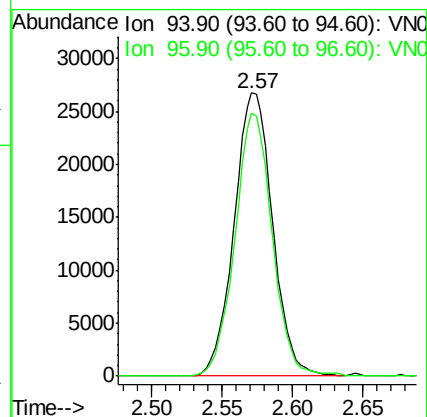
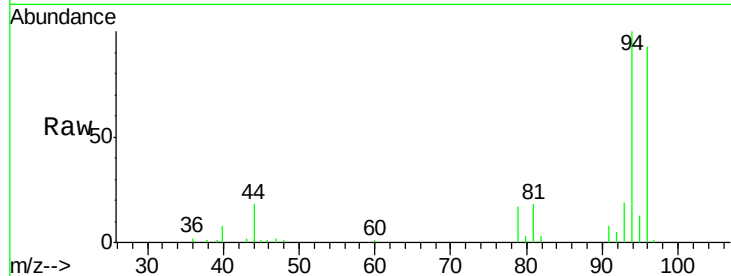
96 93.1 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 20.116 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055414.D

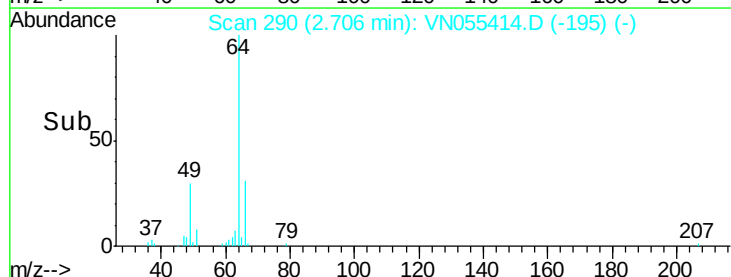
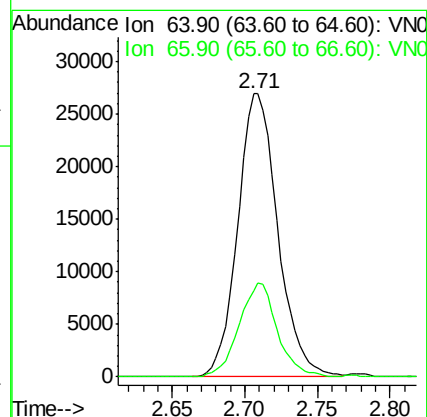
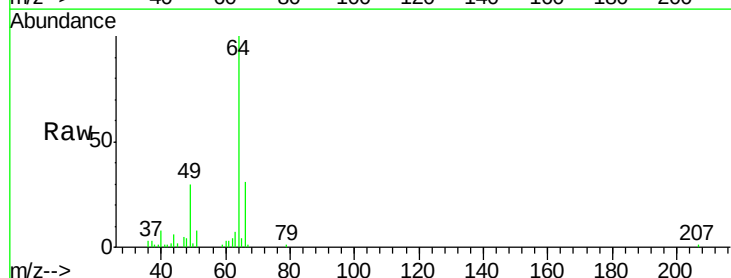
Acq: 6 May 2019 13:14

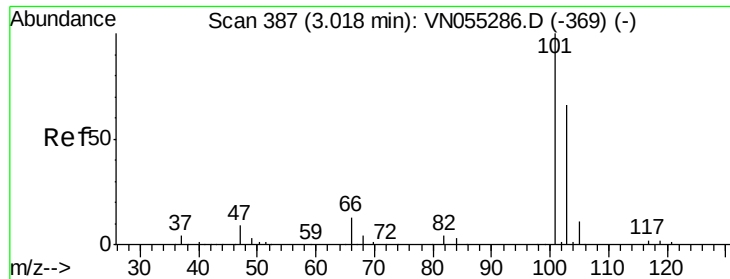
Tgt Ion: 64 Resp: 51699

Ion Ratio Lower Upper

64 100

66 30.5 25.0 37.4





#7

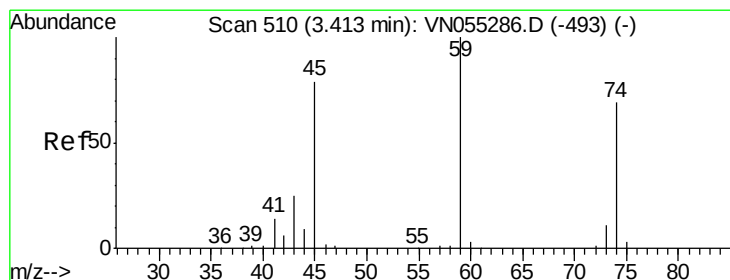
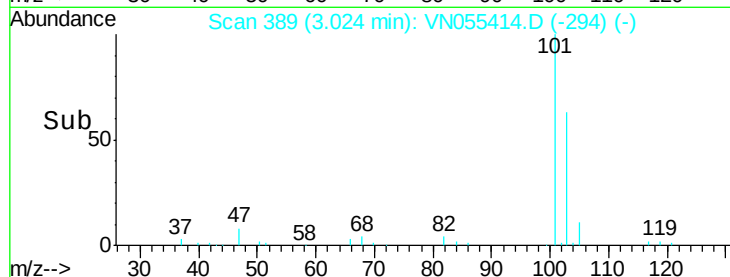
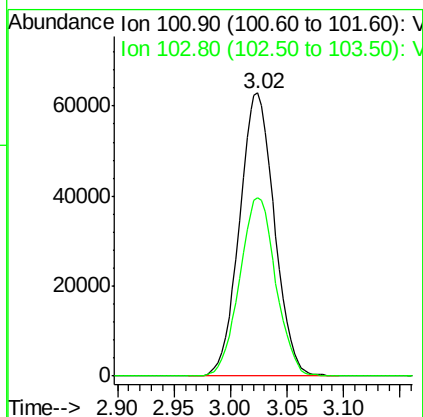
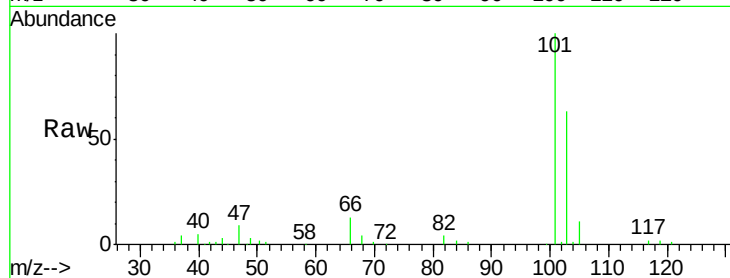
Trichlorofluoromethane
Concen: 20.058 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.01 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
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ClientSampleId :
VN0506WBSD01

Tot Ion:101 Resp: 135311
Ion Ratio Lower Upper
101 100
103 63.2 52.6 79.0

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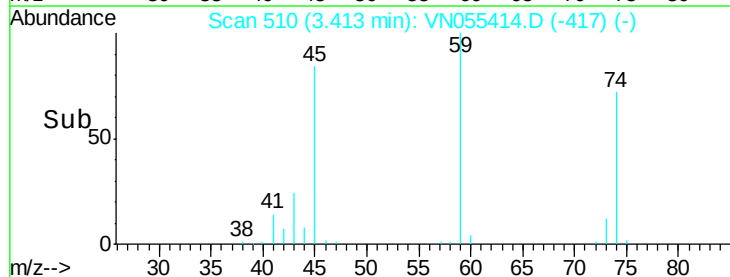
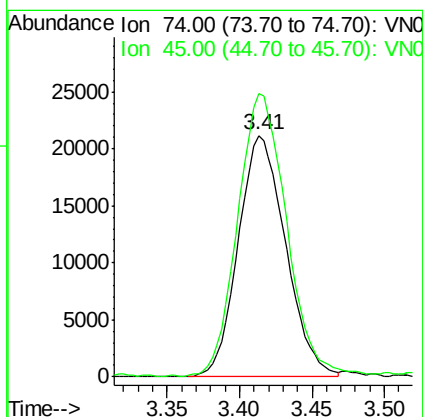
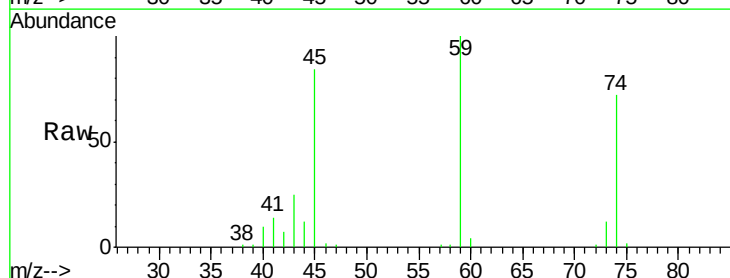
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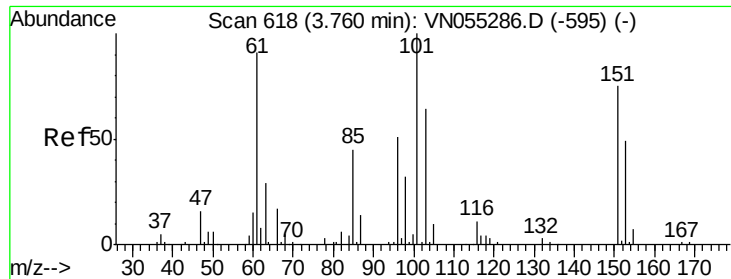


#8

Diethyl Ether
Concen: 20.366 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion: 74 Resp: 48067
Ion Ratio Lower Upper
74 100
45 121.7 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.721 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

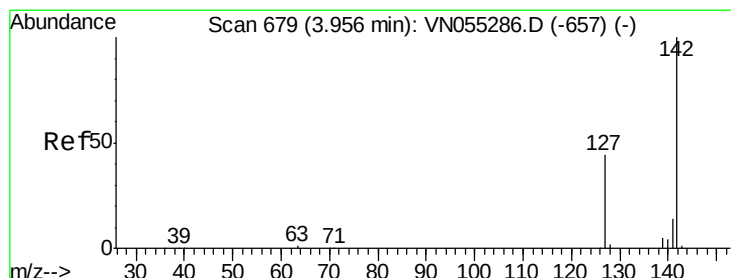
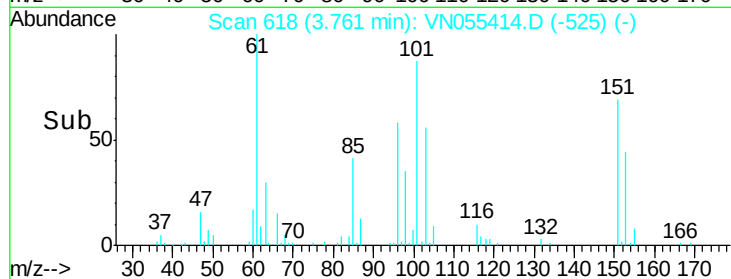
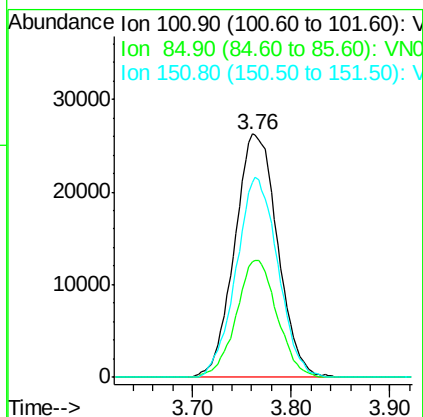
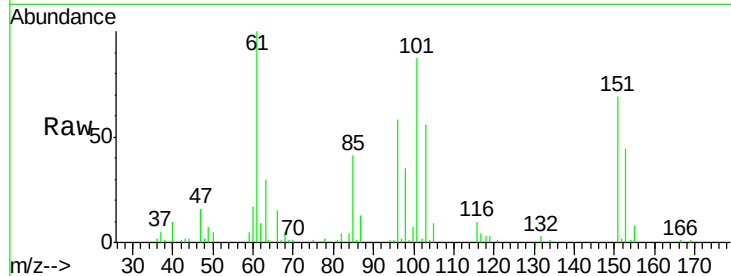
ClientSampleId :

VN0506WBSD01

Tot Ion:	101	Resp:	79221
Ion Ratio	Lower	Upper	
101	100		
85	45.6	35.7	53.5
151	79.8	63.3	94.9

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#10

Methyl Iodide

Concen: 18.686 ug/l

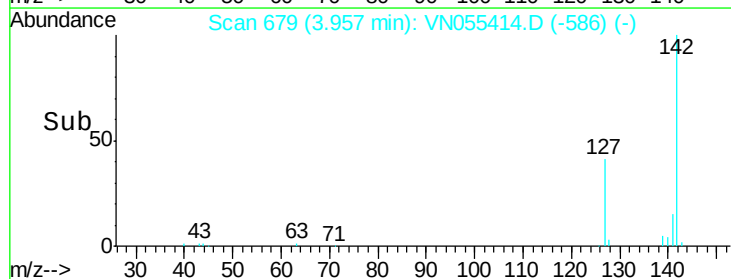
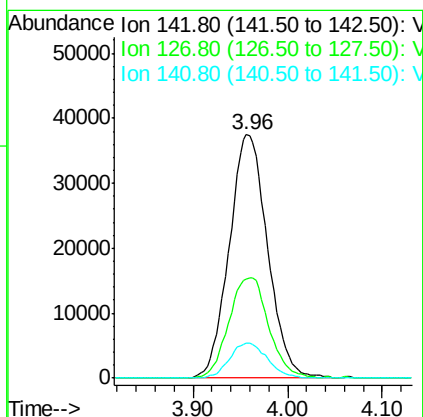
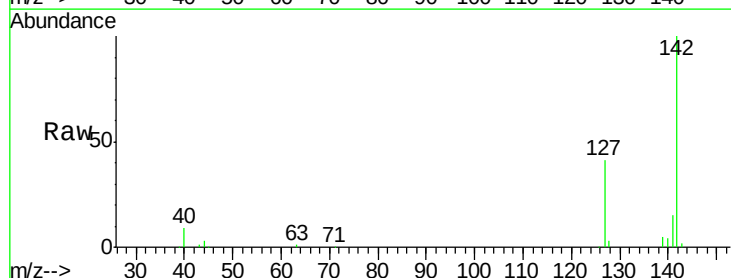
RT: 3.96 min Scan# 679

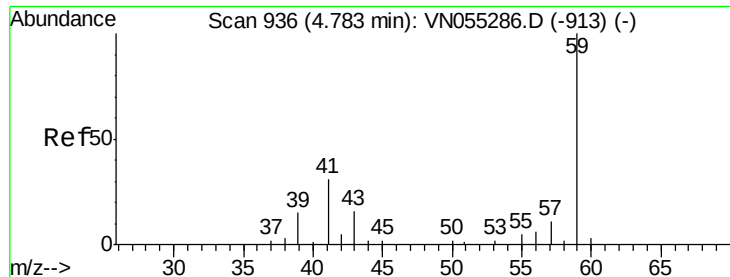
Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tgt Ion:	142	Resp:	105639
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.4	51.6
141	14.2	11.5	17.3





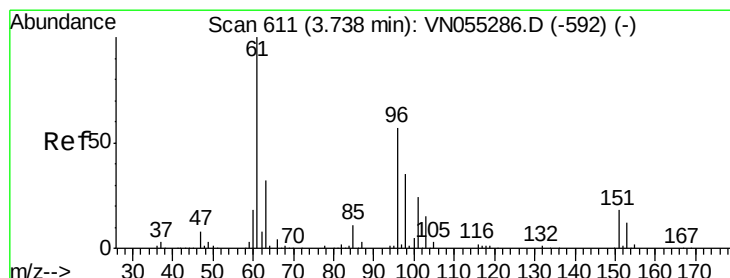
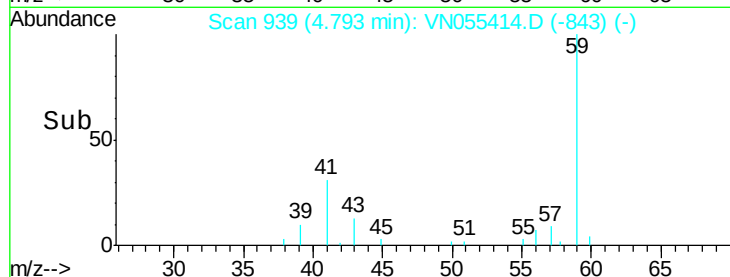
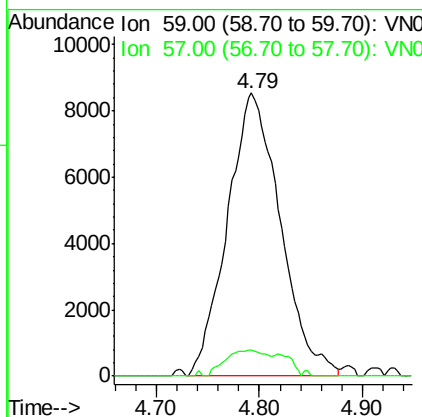
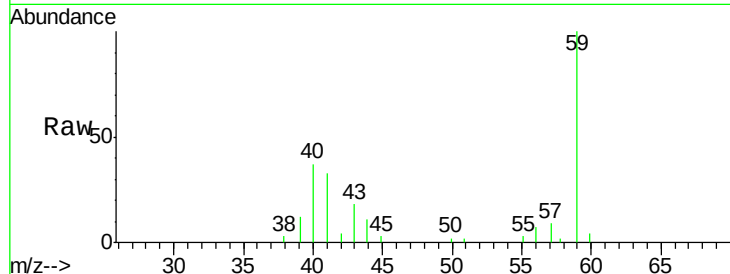
#11
Tert butyl alcohol
Concen: 104.882 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 59 Resp: 30474
Ion Ratio Lower Upper
59 100
57 7.3 8.2 12.2#

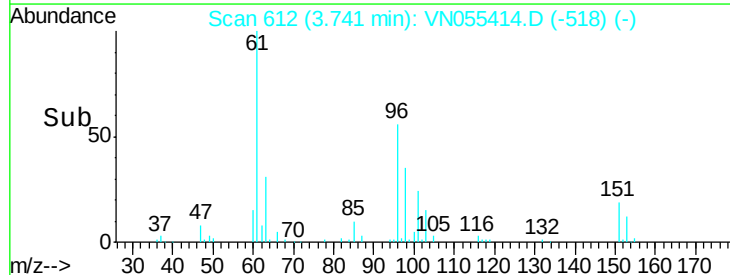
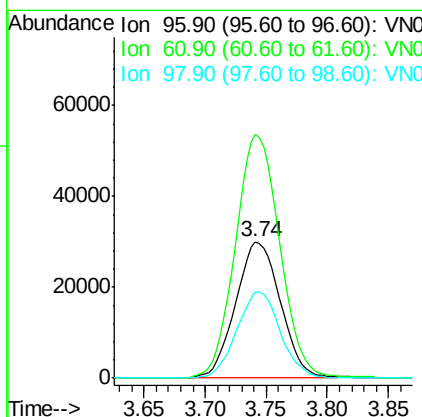
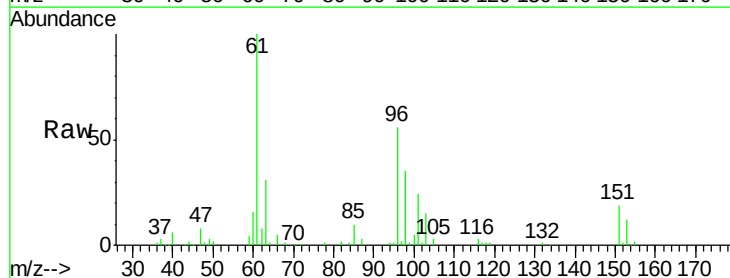
Manual Integrations
APPROVED

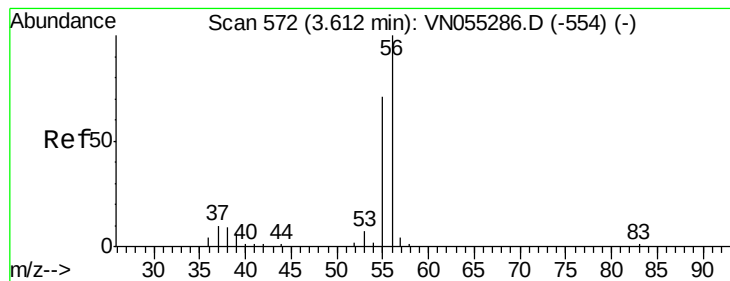
MMDadoda
5/7/2019 1:22:38 PM



#12
1,1-Dichloroethene
Concen: 19.905 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion: 96 Resp: 76276
Ion Ratio Lower Upper
96 100
61 178.2 140.9 211.3
98 62.9 50.0 75.0





#13

Acrolein

Concen: 67.568 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 56 Resp: 15332

Ion Ratio Lower Upper

56 100

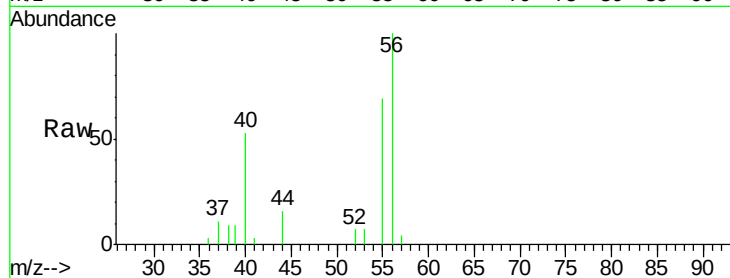
55 73.1 57.4 86.2

Manual Integrations

APPROVED

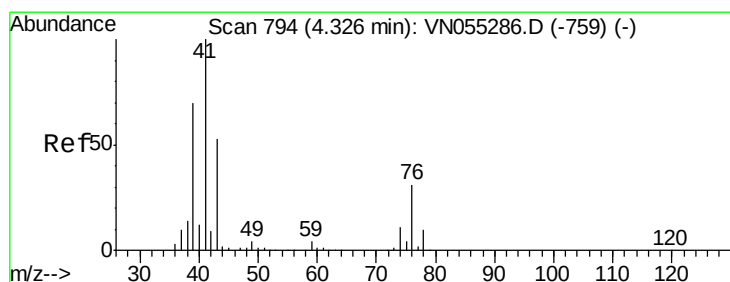
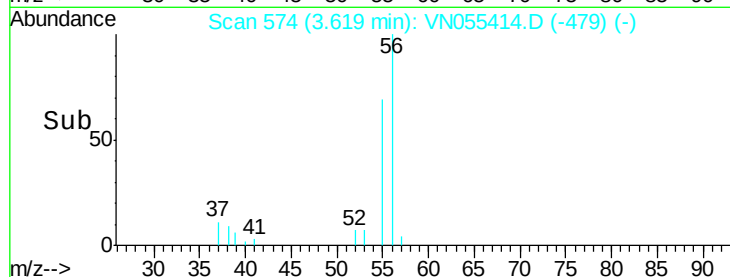
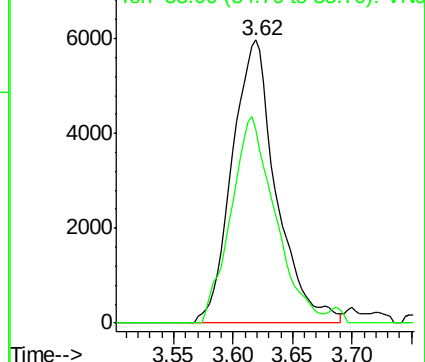
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.873 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

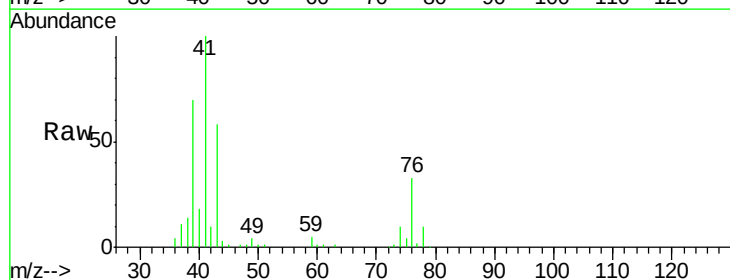
Tgt Ion: 41 Resp: 157722

Ion Ratio Lower Upper

41 100

39 64.9 53.0 79.6

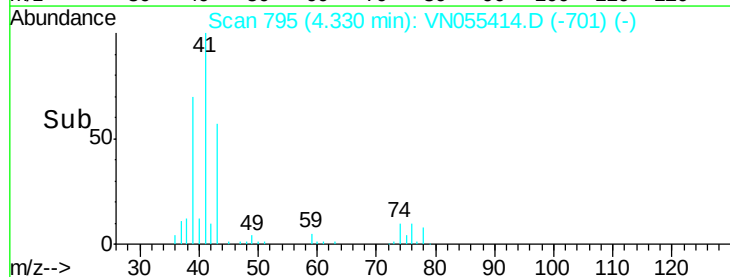
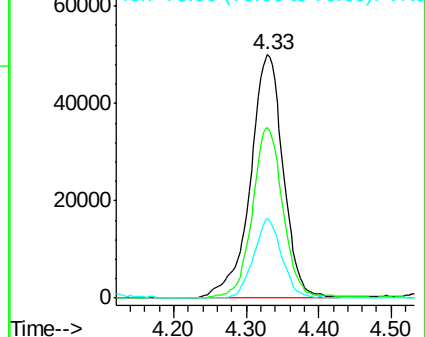
76 27.9 22.7 34.1

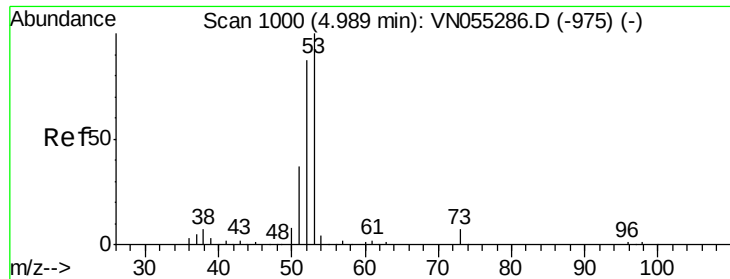


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





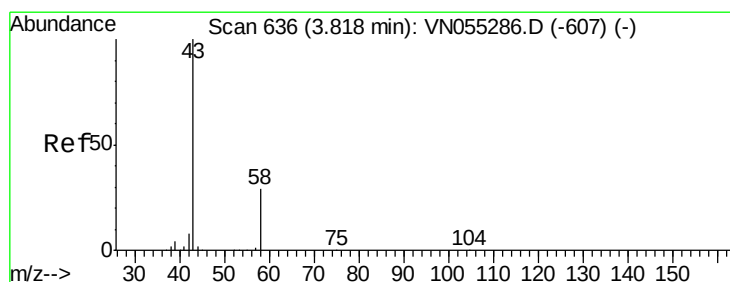
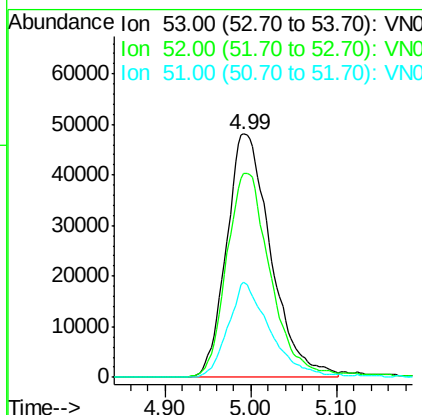
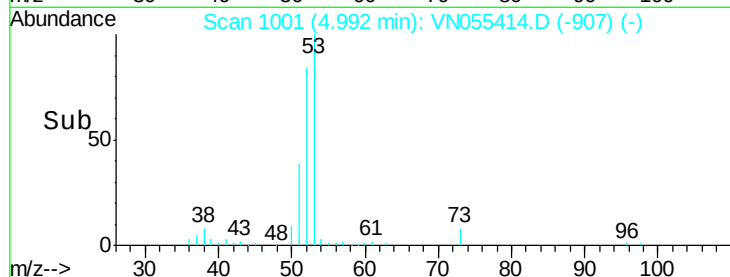
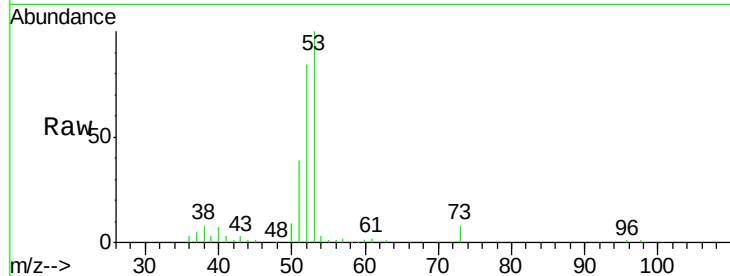
#15
 Acrylonitrile
 Concen: 105.755 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	36.9	29.6	44.4

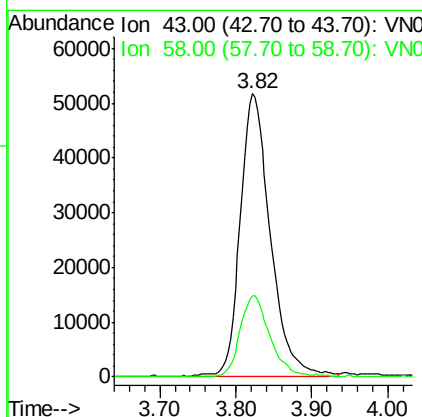
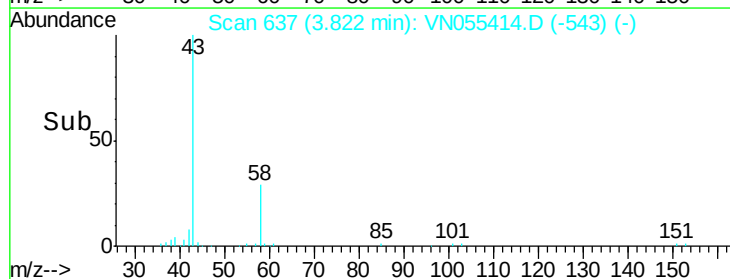
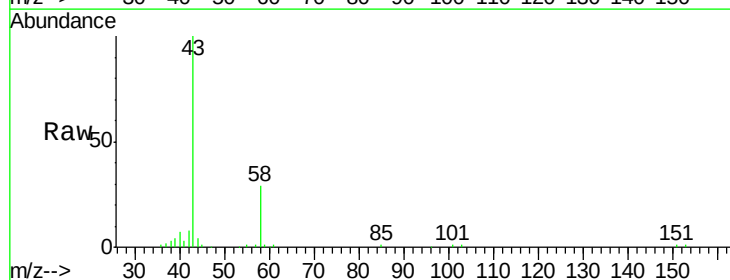
Manual Integrations
 APPROVED

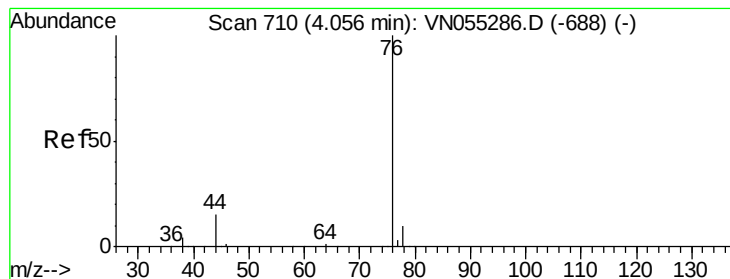
MMDadoda
 5/7/2019 1:22:38 PM



#16
 Acetone
 Concen: 89.264 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.6	35.4





#17

Carbon Disulfide

Concen: 17.134 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tot Ion: 76 Resp: 171353

Ion Ratio Lower Upper

76 100

78 8.5 7.6 11.4

Instrument :

MSVOA_N

ClientSampleId :

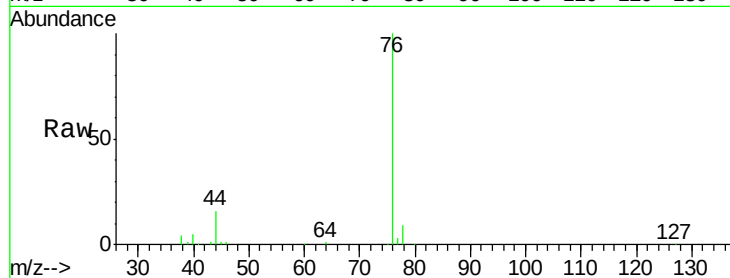
VN0506WBSD01

Manual Integrations

APPROVED

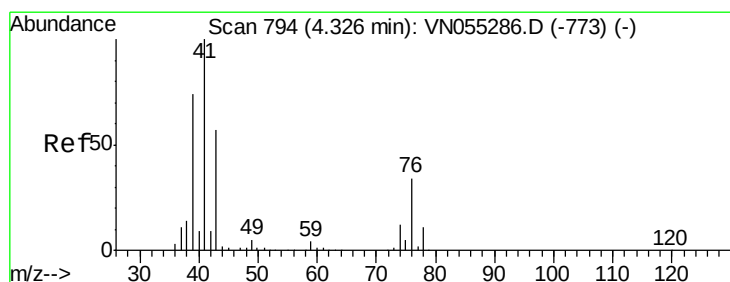
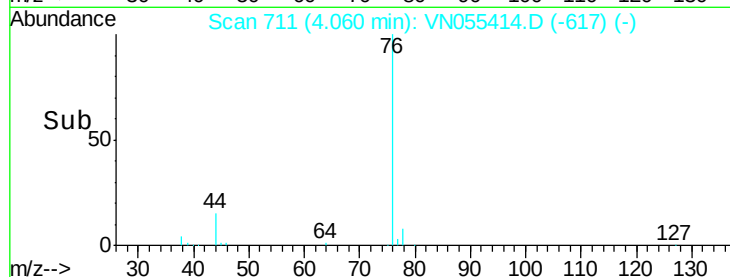
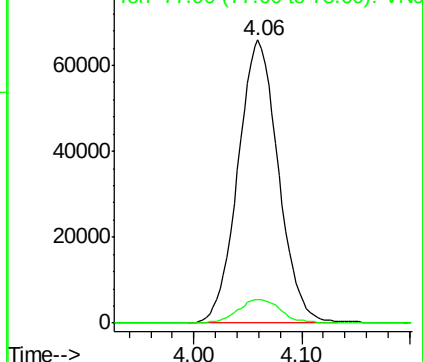
MMDadoda

5/7/2019 1:22:38 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.734 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055414.D

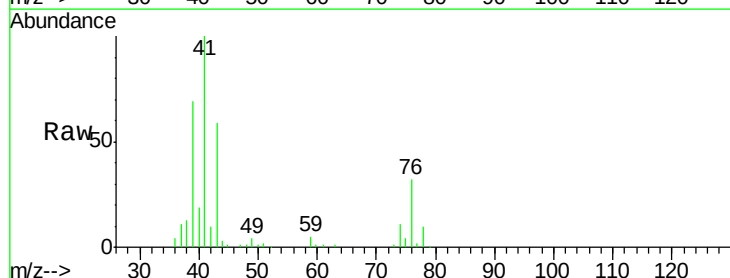
Acq: 6 May 2019 13:14

Tgt Ion: 43 Resp: 89749

Ion Ratio Lower Upper

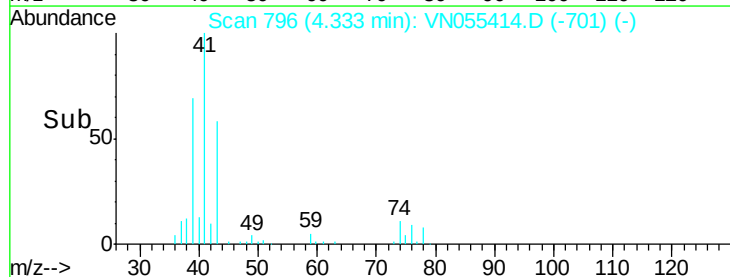
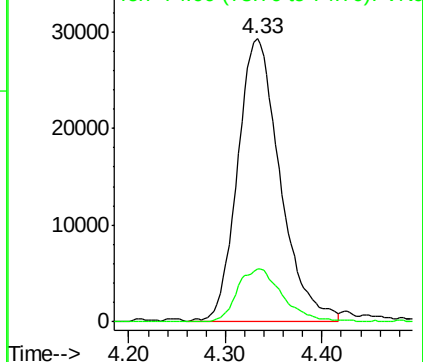
43 100

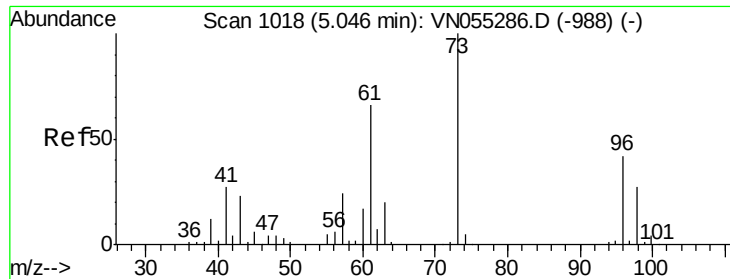
74 19.7 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





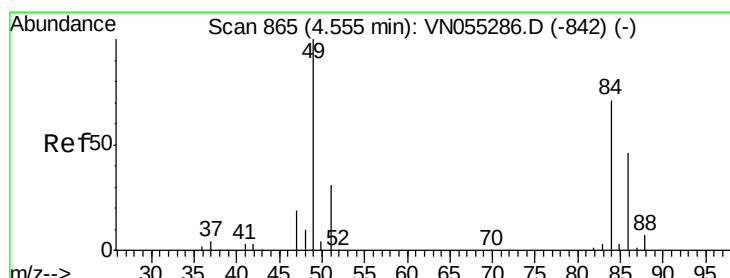
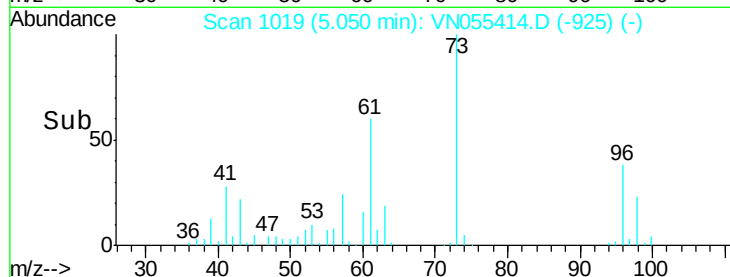
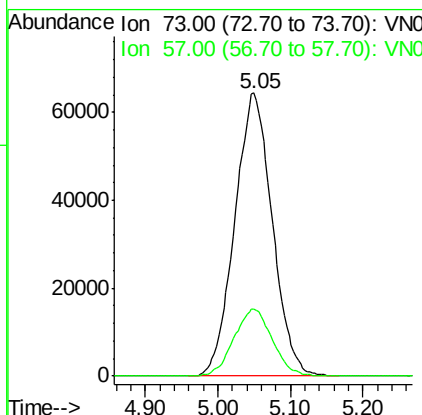
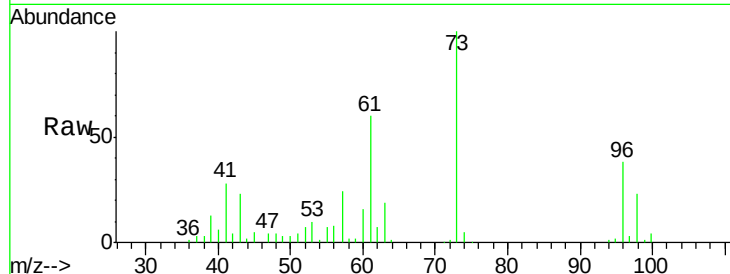
#19
Methyl tert-butyl Ether
Concen: 21.522 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 73 Resp: 231850
Ion Ratio Lower Upper
73 100
57 23.7 19.1 28.7

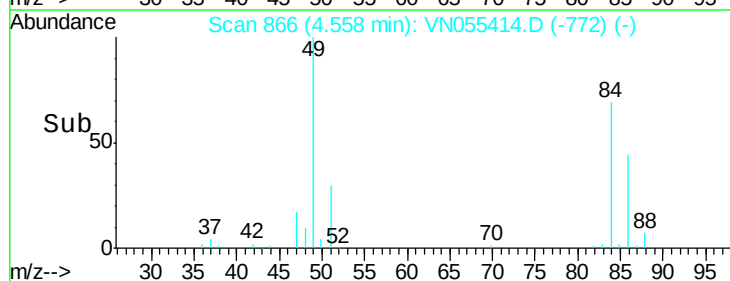
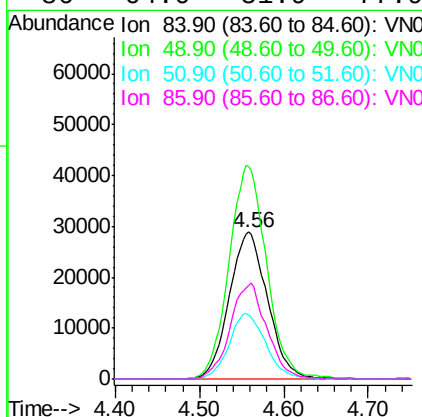
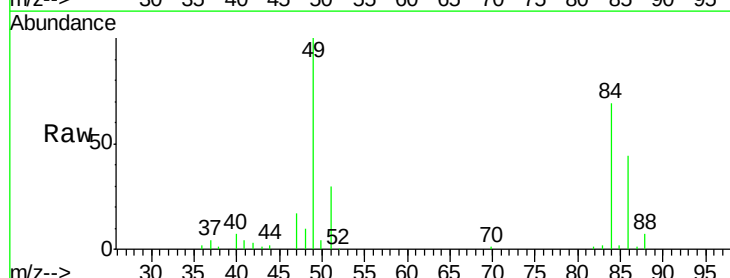
Manual Integrations
APPROVED

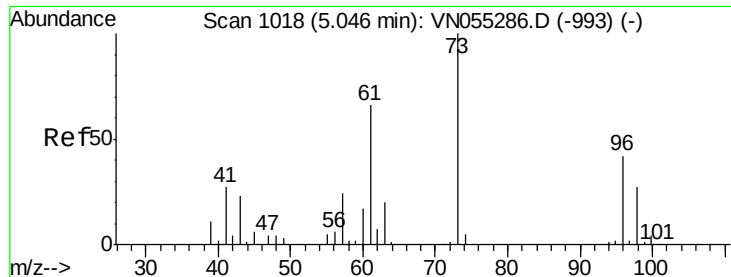
MMDadoda
5/7/2019 1:22:38 PM



#20
Methylene Chloride
Concen: 18.838 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion: 84 Resp: 90923
Ion Ratio Lower Upper
84 100
49 144.2 112.4 168.6
51 43.7 34.6 51.8
86 64.0 51.9 77.9





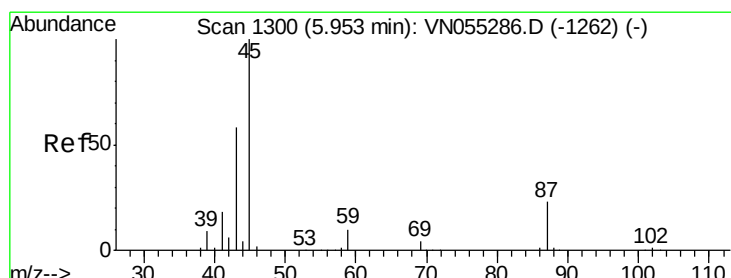
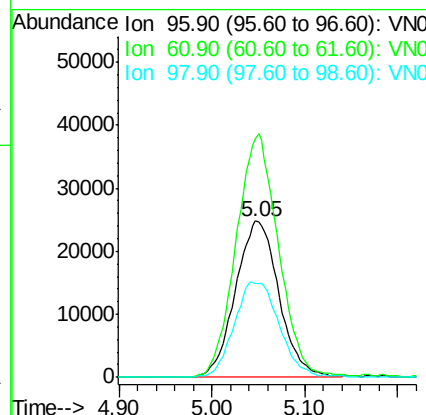
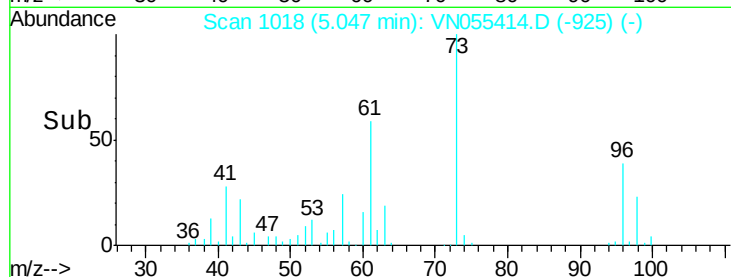
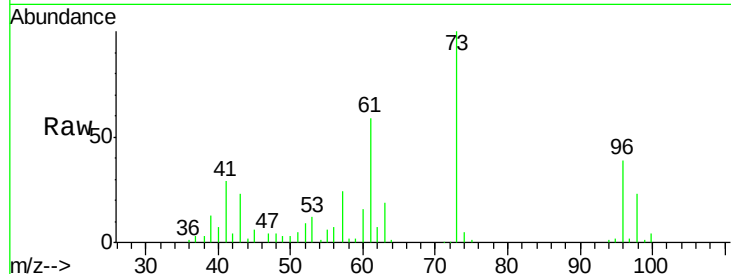
#21
trans-1,2-Dichloroethene
Concen: 19.872 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.1	126.2	189.4
98	60.1	52.2	78.2

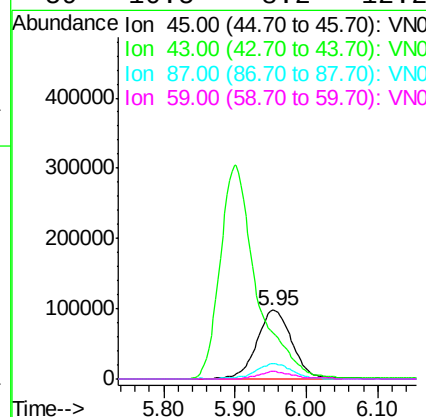
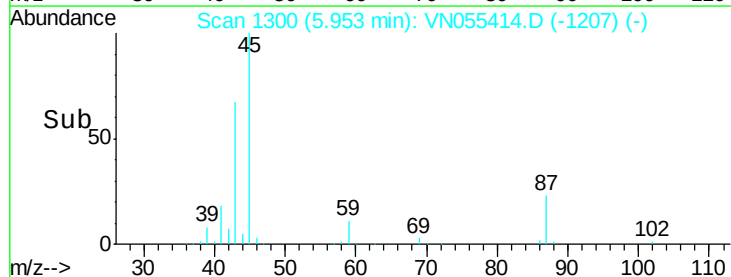
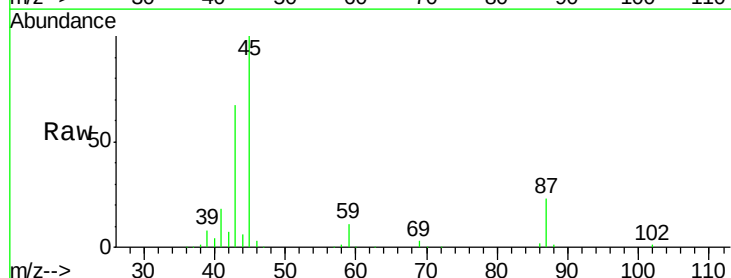
Manual Integrations
APPROVED

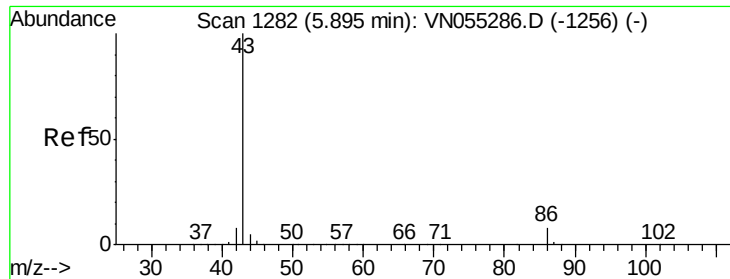
MMDadoda
5/7/2019 1:22:38 PM



#22
Diisopropyl ether
Concen: 21.408 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	46.6	70.0
87	22.3	18.1	27.1
59	10.5	8.2	12.2





#23

Vinyl Acetate

Concen: 104.264 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 43 Resp: 1077583

Ion Ratio Lower Upper

43 100

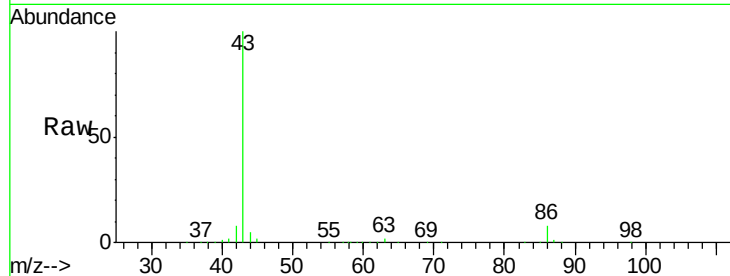
86 8.3 6.6 10.0

Manual Integrations

APPROVED

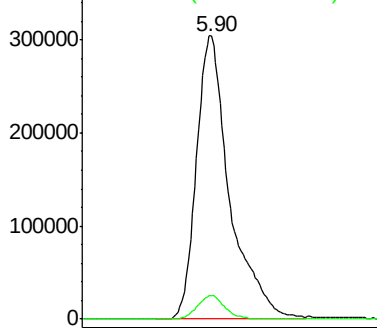
MMDadoda

5/7/2019 1:22:38 PM

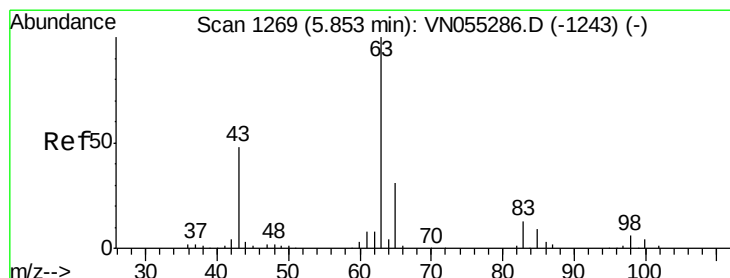
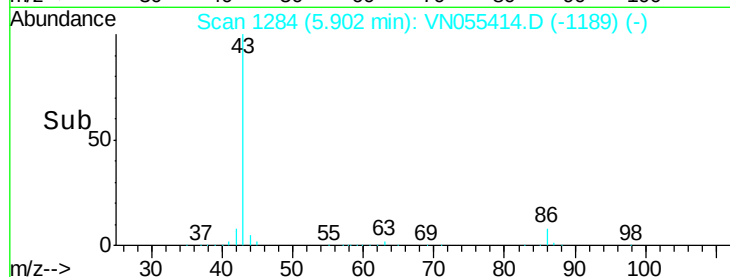


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.516 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

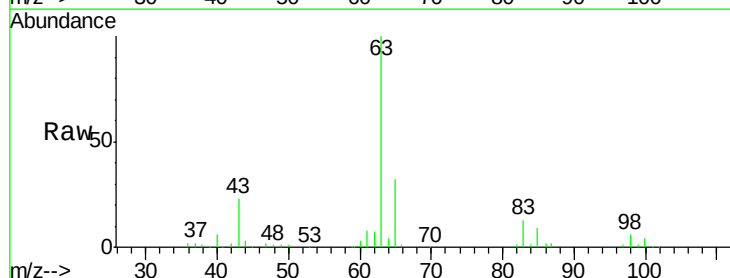
Tgt Ion: 63 Resp: 172373

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

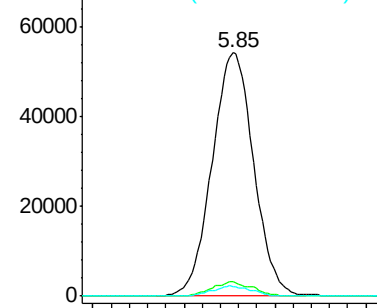
100 4.0 1.8 5.4



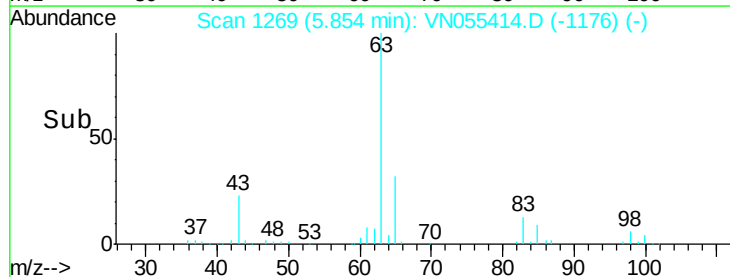
Abundance Ion 62.90 (62.60 to 63.60): VN0

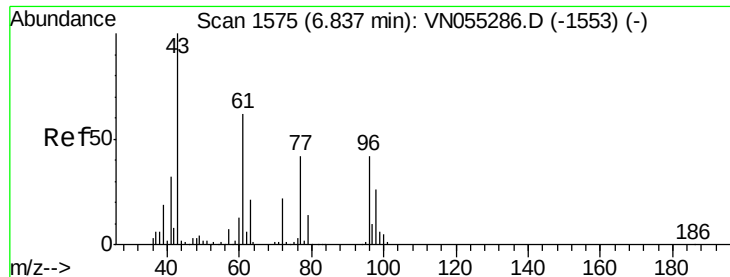
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 100.288 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 43 Resp: 202809

Ion Ratio Lower Upper

43 100

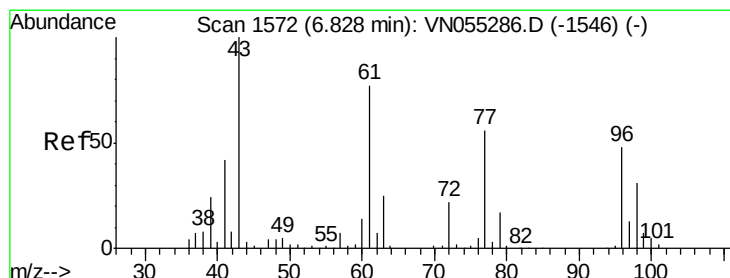
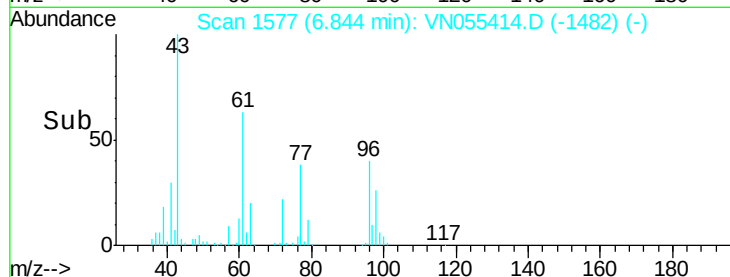
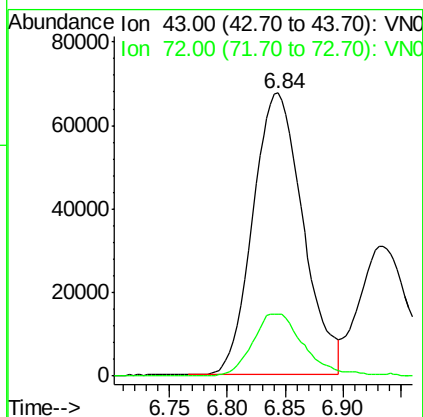
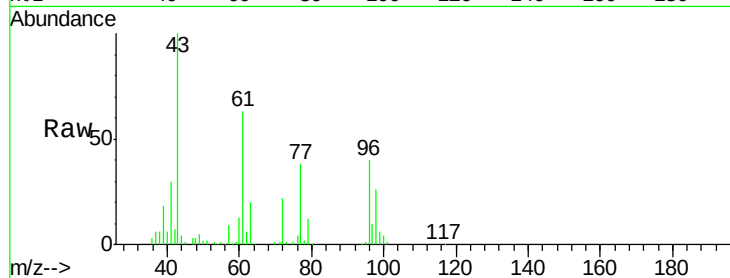
72 22.2 18.0 27.0

Manual Integrations

APPROVED

MMDadoda

5/7/2019 1:22:38 PM



#26

2,2-Dichloropropane

Concen: 19.049 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055414.D

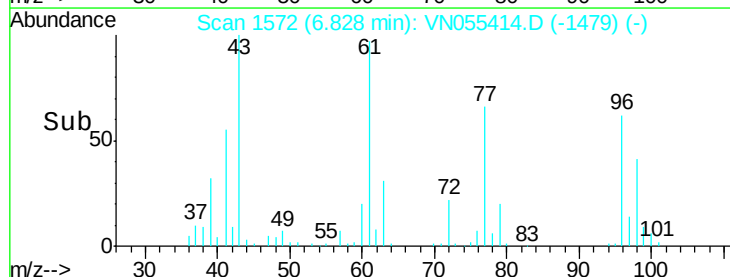
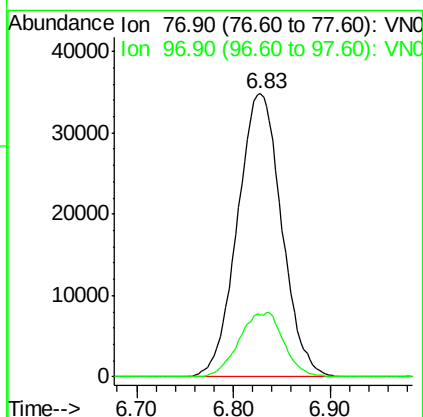
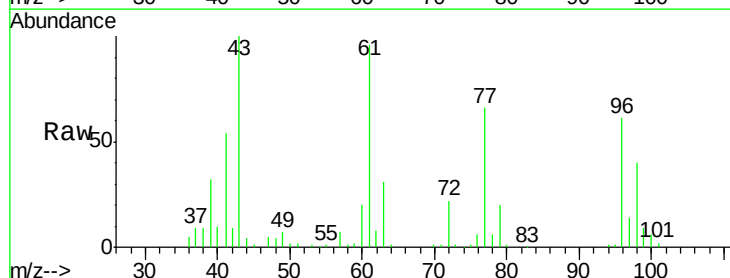
Acq: 6 May 2019 13:14

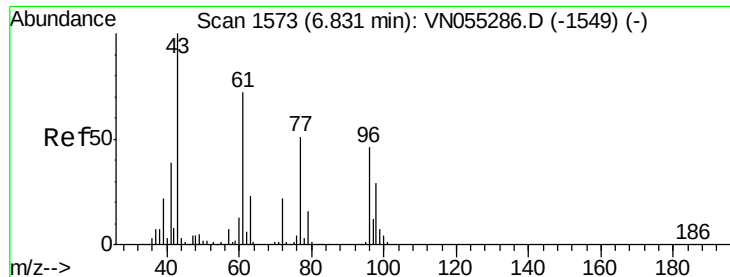
Tgt Ion: 77 Resp: 110523

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





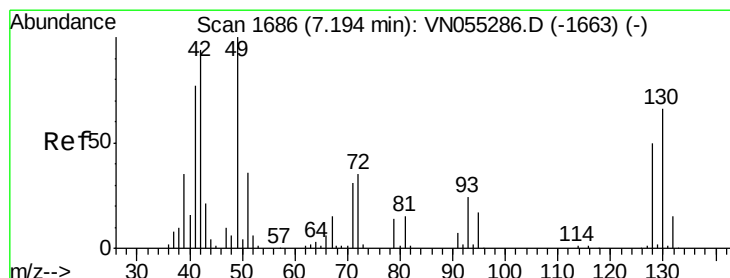
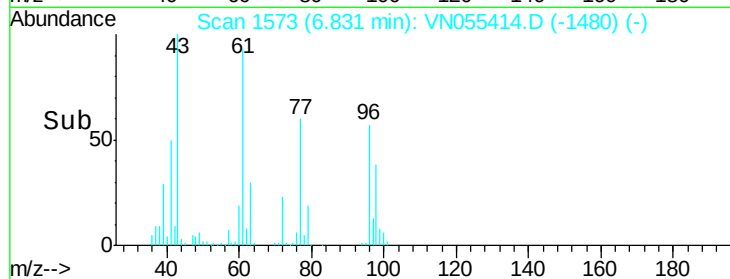
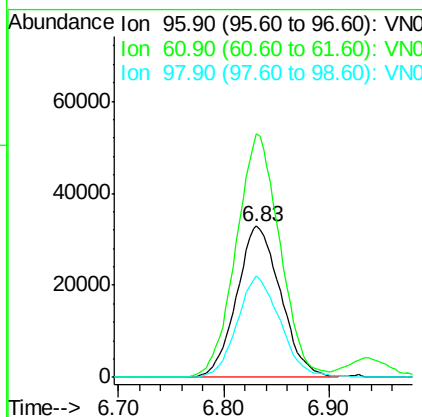
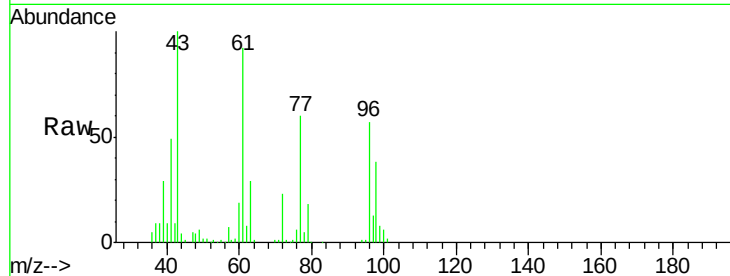
#27
 cis-1,2-Dichloroethene
 Concen: 20.604 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	316.2
98	65.6	0.0	126.6

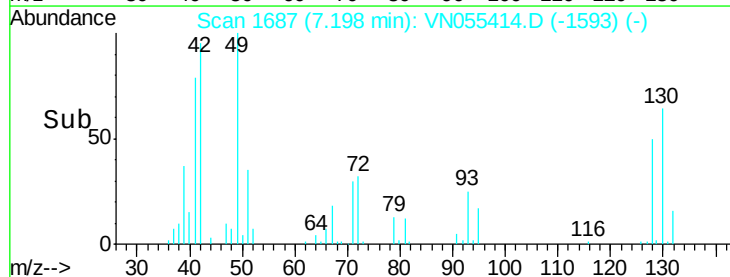
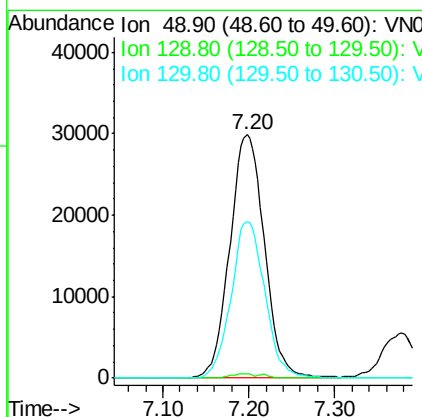
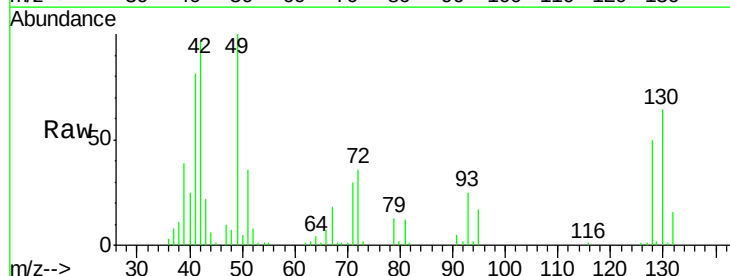
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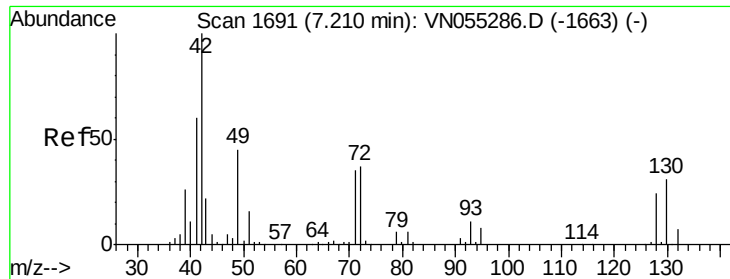
MMDadoda
 5/7/2019 1:22:38 PM



#28
 Bromochloromethane
 Concen: 19.706 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.4
130	62.7	52.0	78.0





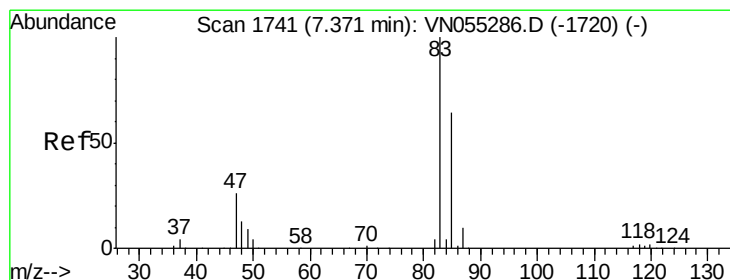
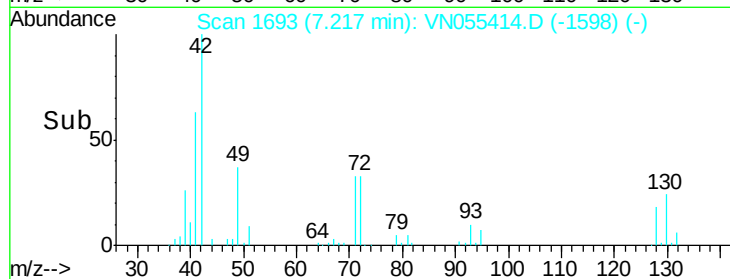
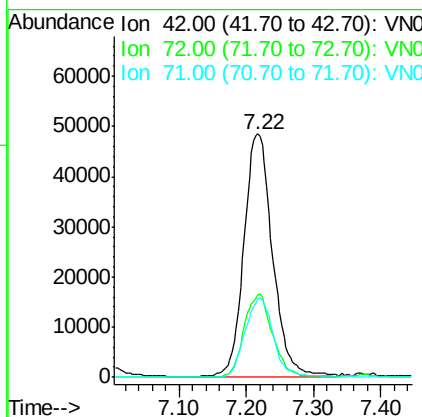
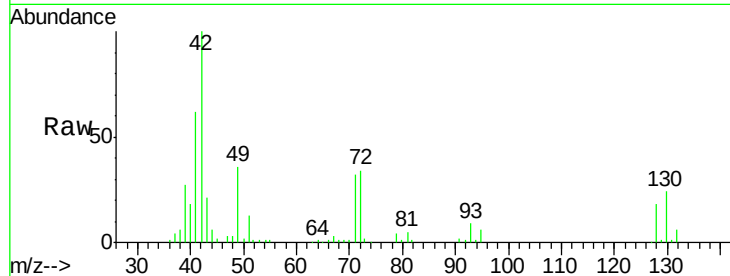
#29
Tetrahydrofuran
Concen: 111.811 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	29.0	43.6
71	31.7	27.1	40.7

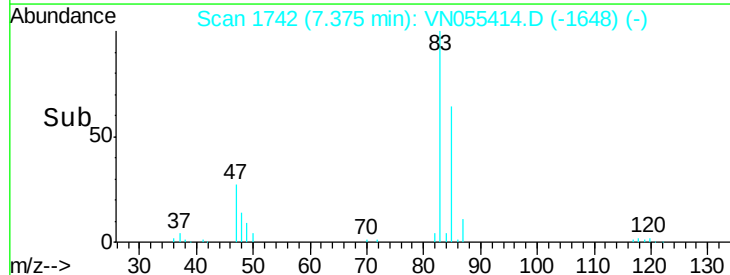
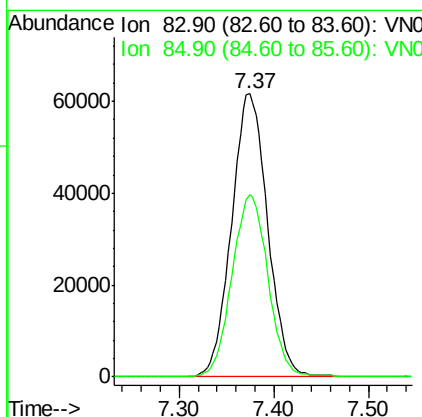
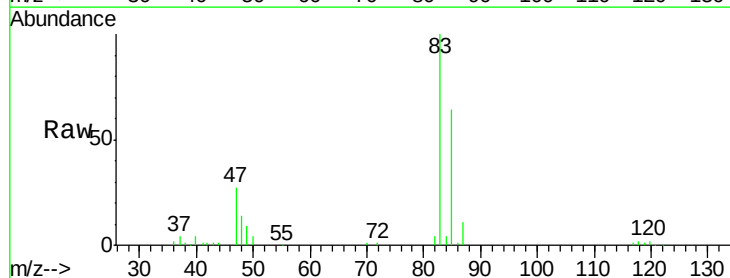
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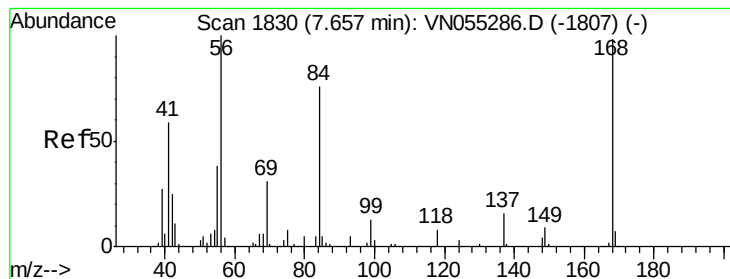
MMDadoda
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#30
Chloroform
Concen: 20.512 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





#31

Cyclohexane

Concen: 19.210 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 56 Resp: 153352

Ion Ratio Lower Upper

56 100

69 34.7 25.2 37.8

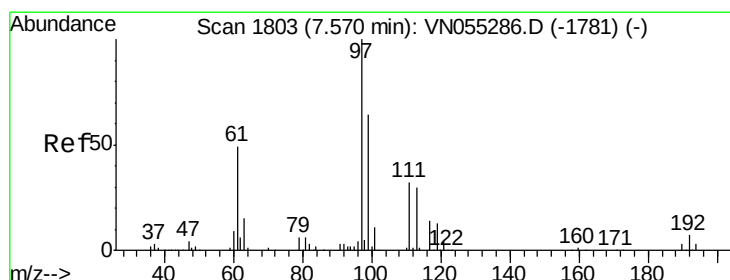
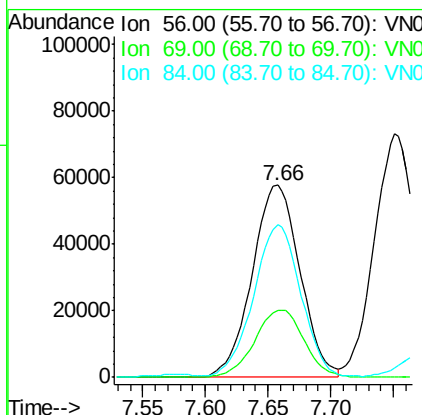
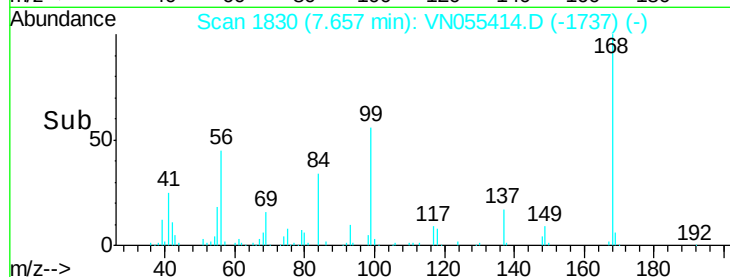
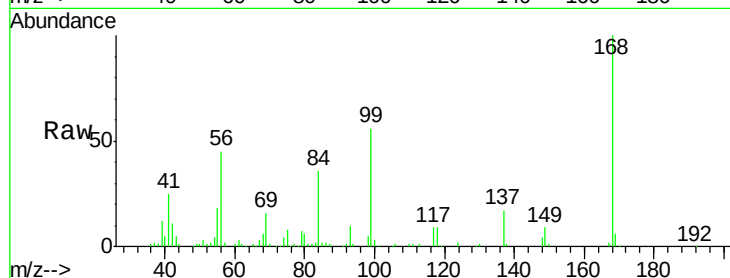
84 78.0 61.1 91.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.184 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

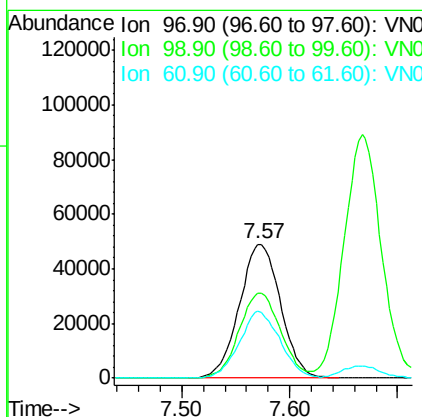
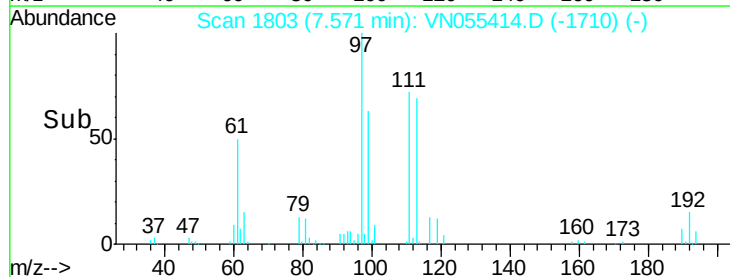
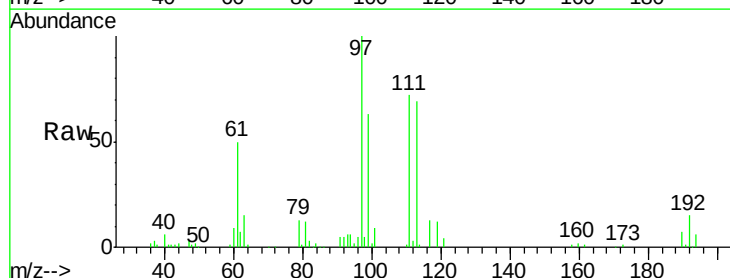
Tgt Ion: 97 Resp: 130473

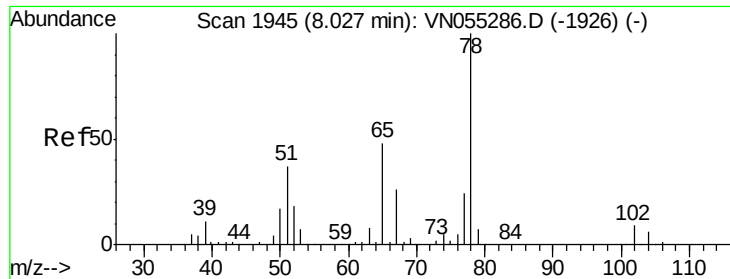
Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

61 49.2 39.0 58.6





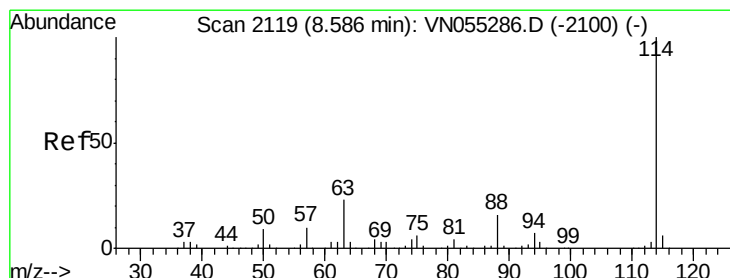
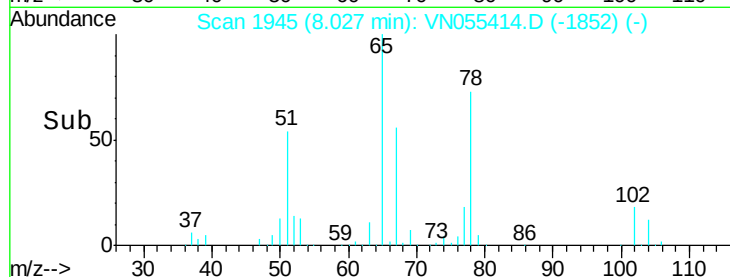
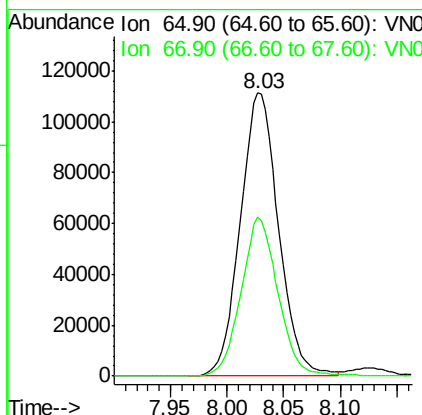
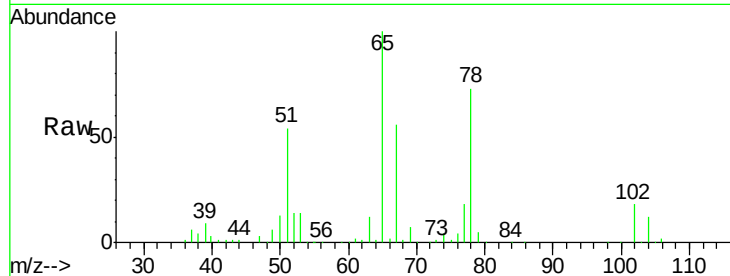
#33
 1,2-Dichloroethane-d4
 Concen: 51.589 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	261813		
67	54.1	0.0	106.8	

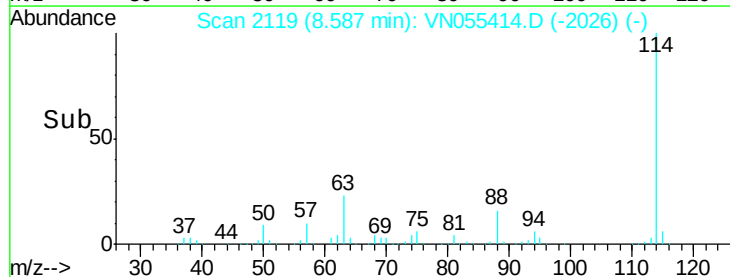
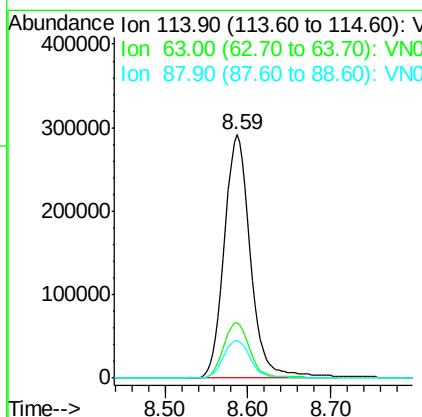
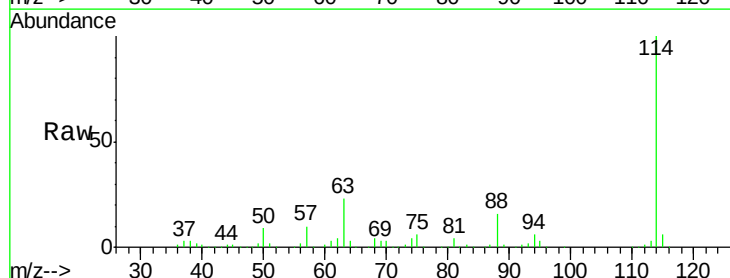
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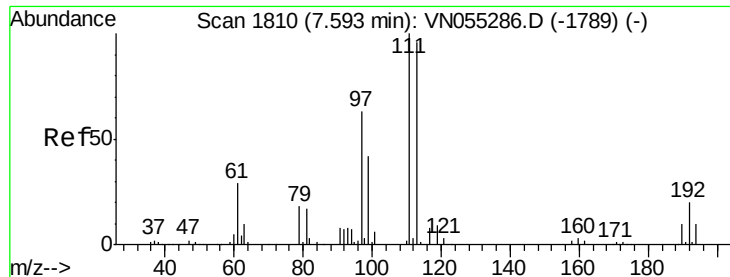
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	644065		
63	22.9	0.0	45.2	
88	15.5	0.0	31.6	





#35

Dibromofluoromethane

Concen: 49.667 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

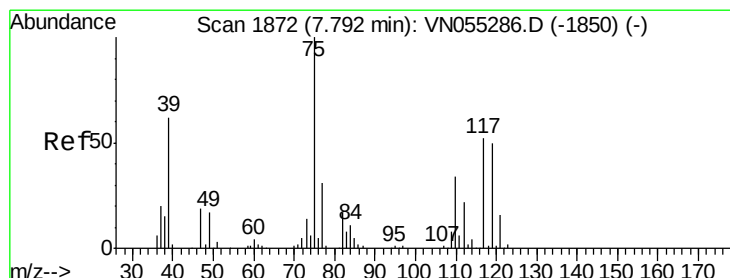
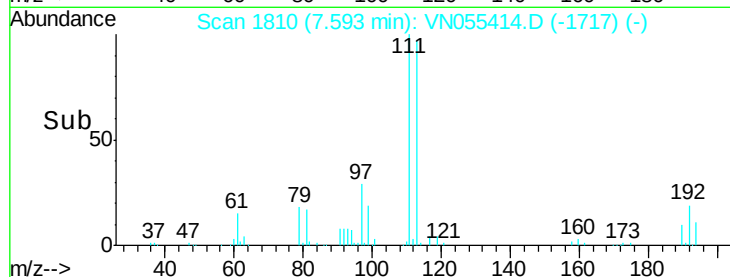
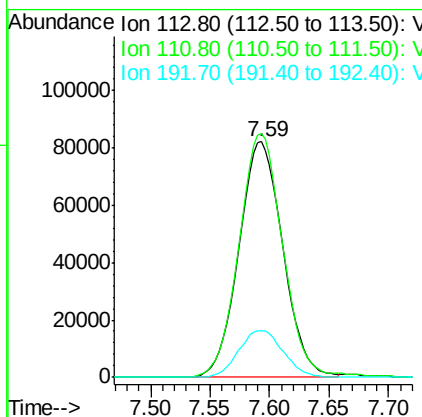
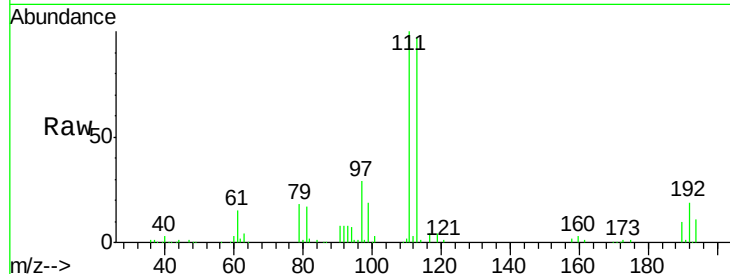
ClientSampleId :

VN0506WBSD01

Tot Ion:	113	Resp:	209964
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.3	123.5
192	20.3	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 18.128 ug/l

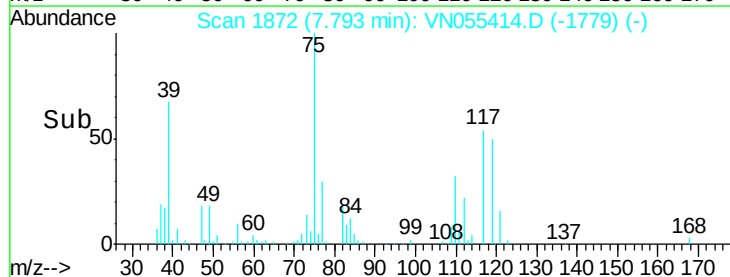
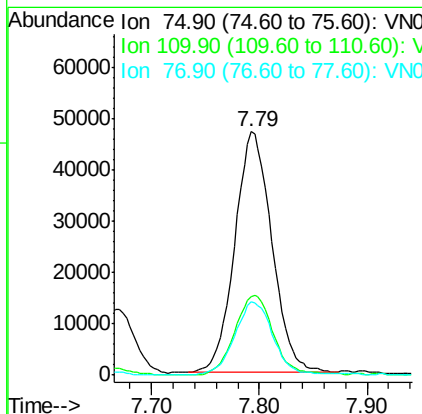
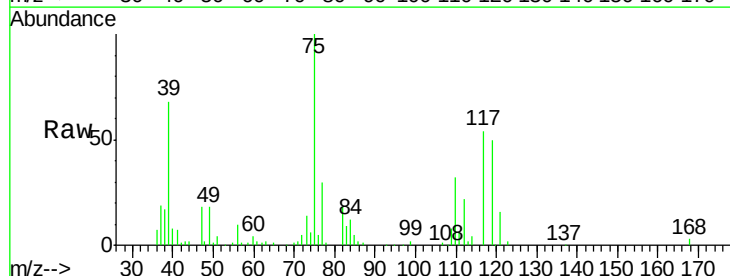
RT: 7.79 min Scan# 1872

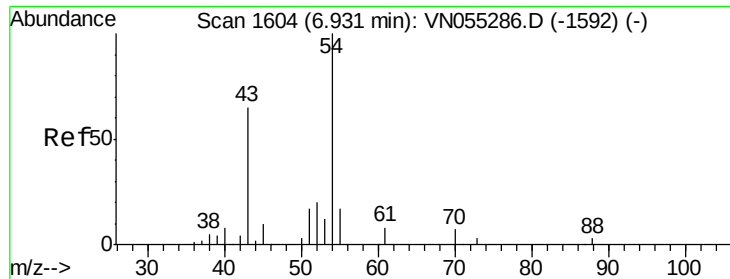
Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tgt Ion:	75	Resp:	111835
Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.8	50.4
77	31.7	25.0	37.6





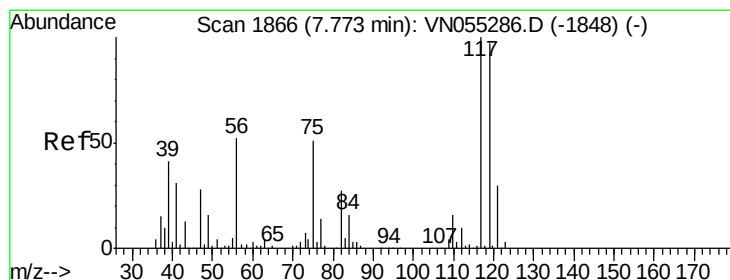
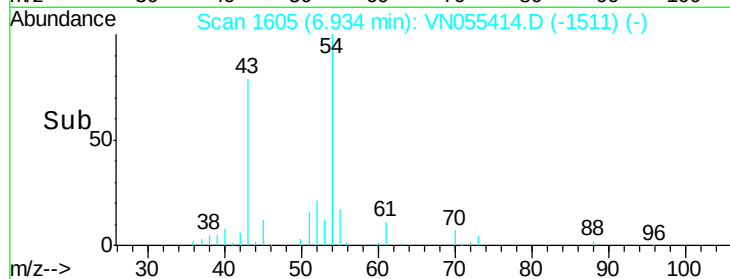
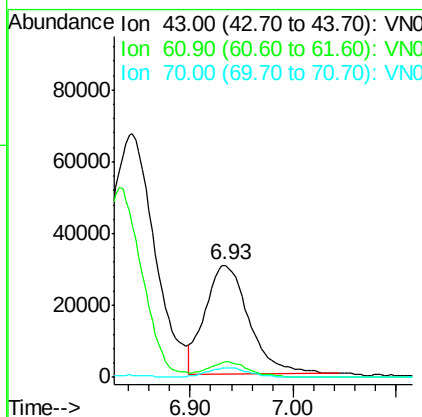
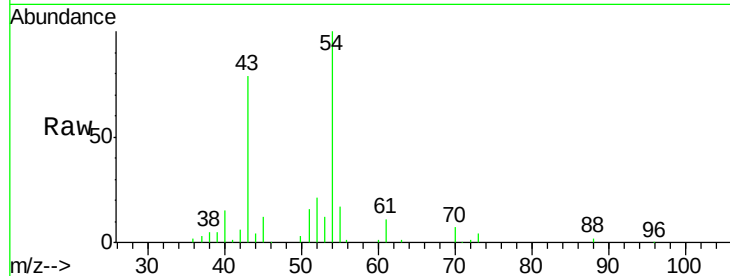
#37
Ethyl Acetate
Concen: 19.192 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	43	61	70
Resp	90741		
Ratio	100	13.4	8.5
Lower		10.4	6.6
Upper		15.6	10.0

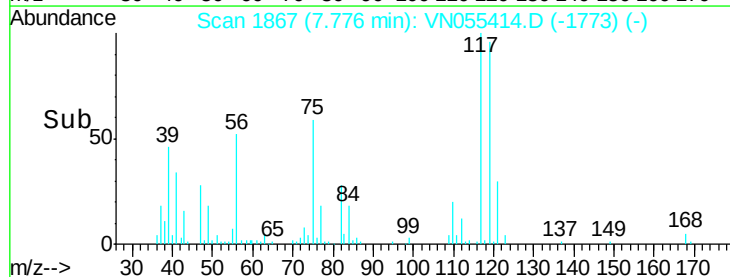
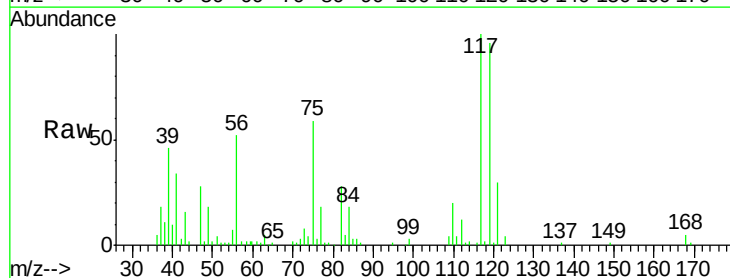
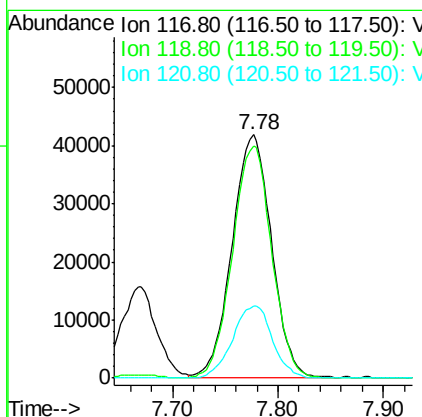
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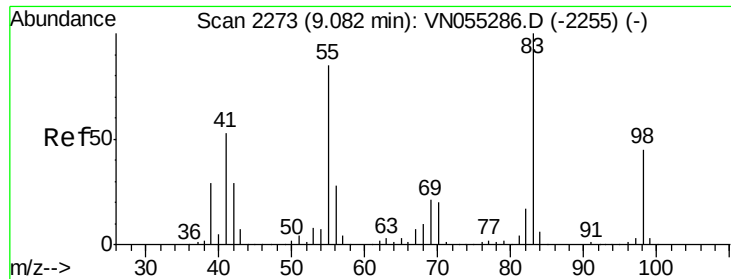
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#38
Carbon Tetrachloride
Concen: 18.359 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion	117	119	121
Resp	109255		
Ratio	100	95.2	29.5
Lower		77.0	23.8
Upper		115.6	35.8





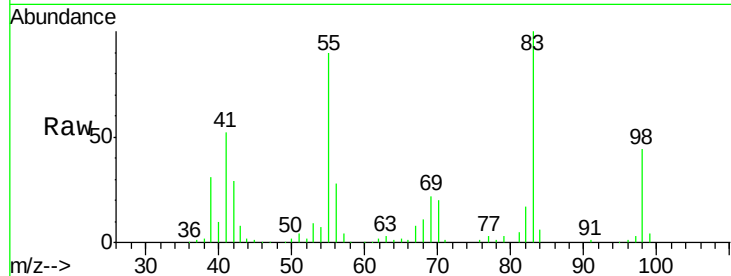
#39
Methylvlcyclohexane
Concen: 17.999 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampled :
VN0506WBSD01

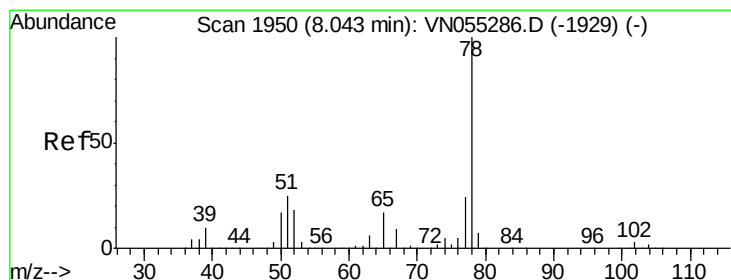
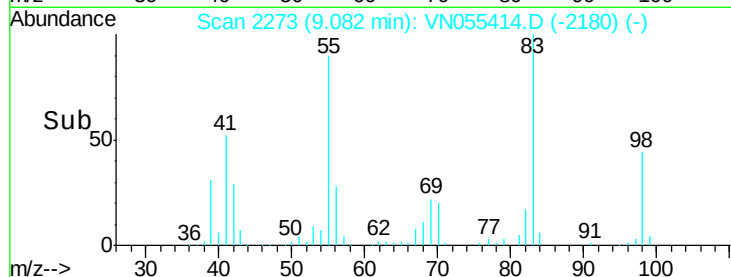
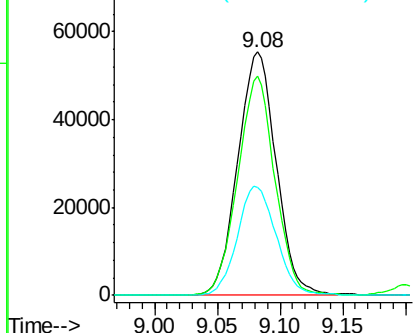
Tot Ion	83.00	Resp	118057
Ion	Ratio	Lower	Upper
83	100		
55	89.9	67.8	101.6
98	44.4	36.2	54.4

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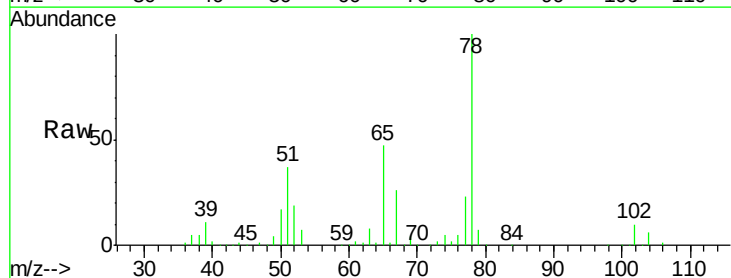


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

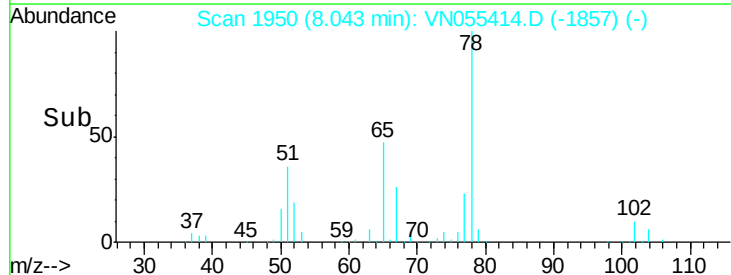
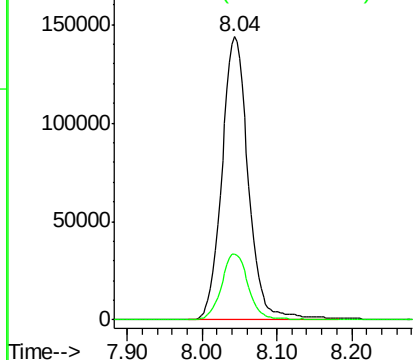


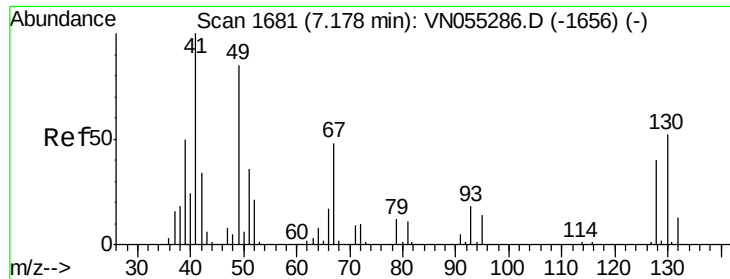
#40
Benzene
Concen: 19.375 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion	78	Resp	352349
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 20.935 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 41 Resp: 52454

Ion Ratio Lower Upper

41 100

39 50.4 48.5 72.7

67 69.7 54.9 82.3

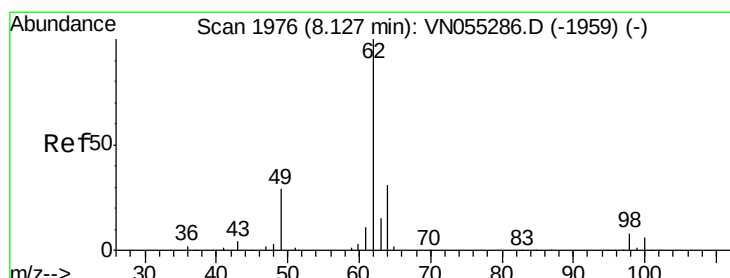
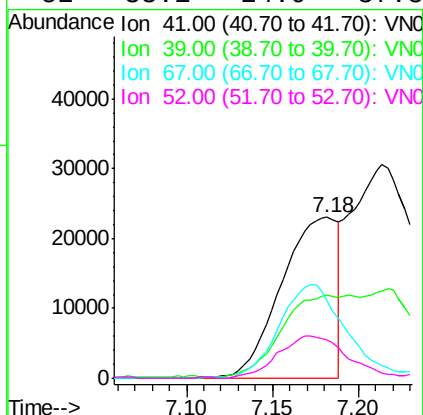
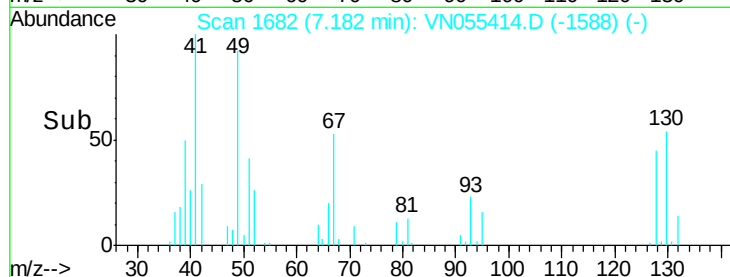
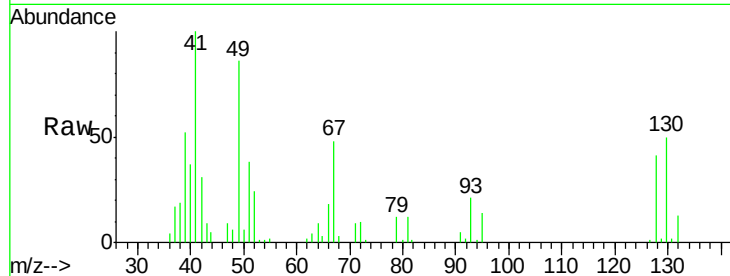
52 33.1 24.9 37.3

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#42

1,2-Dichloroethane

Concen: 19.752 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055414.D

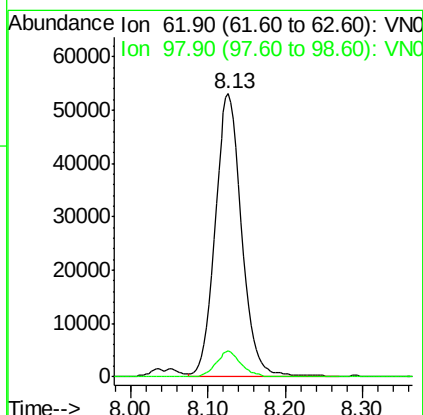
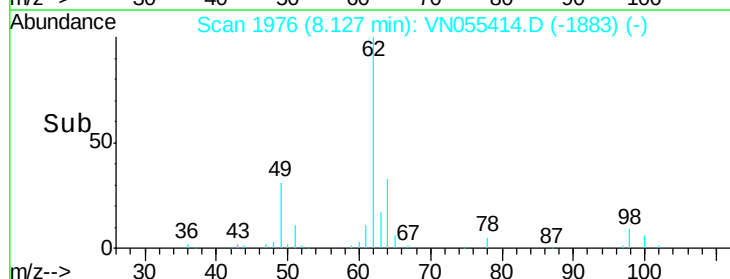
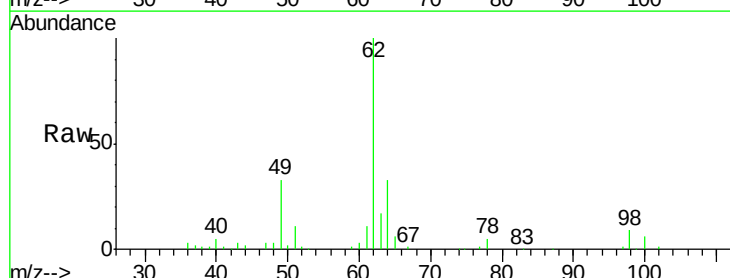
Acq: 6 May 2019 13:14

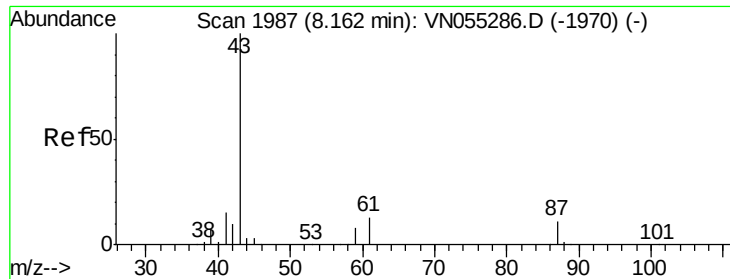
Tgt Ion: 62 Resp: 127228

Ion Ratio Lower Upper

62 100

98 8.5 0.0 16.4





#43

Isopropyl Acetate

Concen: 21.001 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

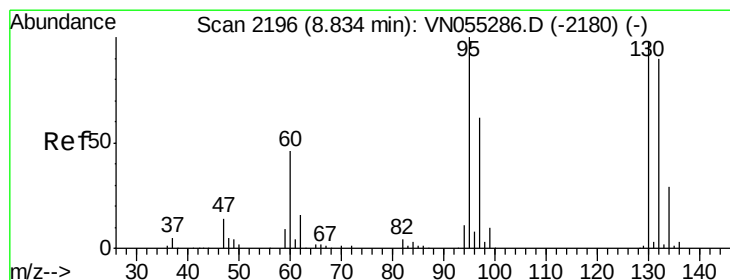
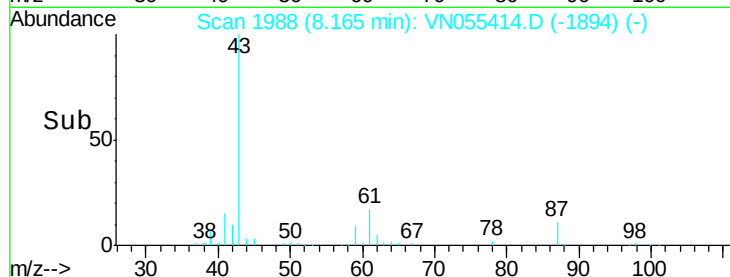
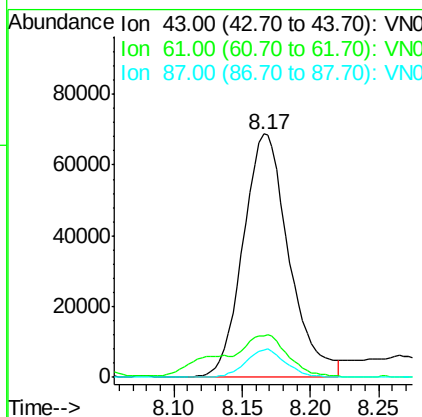
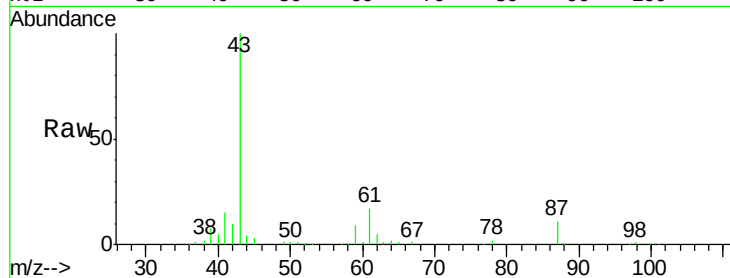
ClientSampleId :

VN0506WBSD01

Tot Ion:	43	Resp:	159577
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.8	31.2
87	10.2	8.5	12.7

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#44

Trichloroethene

Concen: 18.942 ug/l

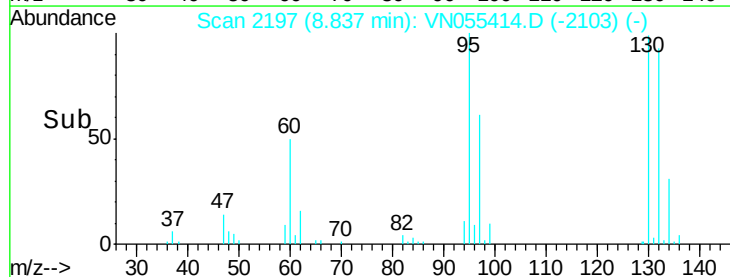
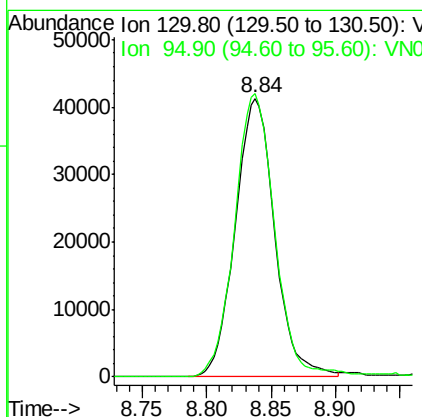
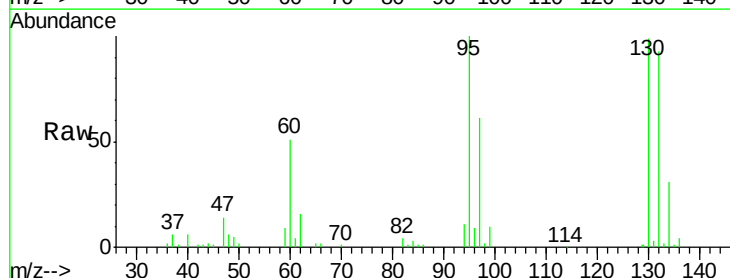
RT: 8.84 min Scan# 2197

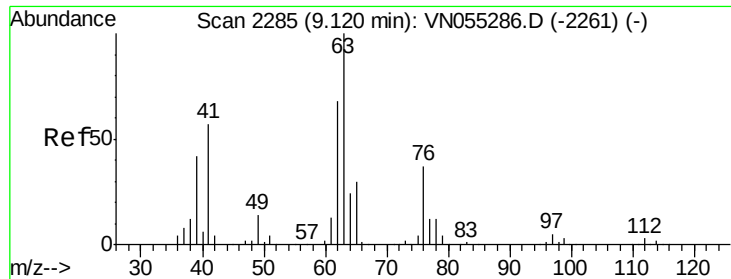
Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tgt Ion:	130	Resp:	87821
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.4





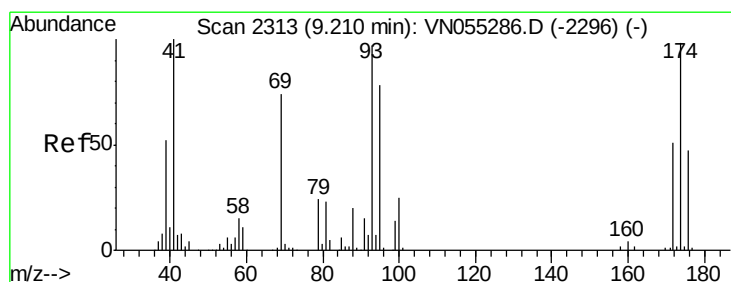
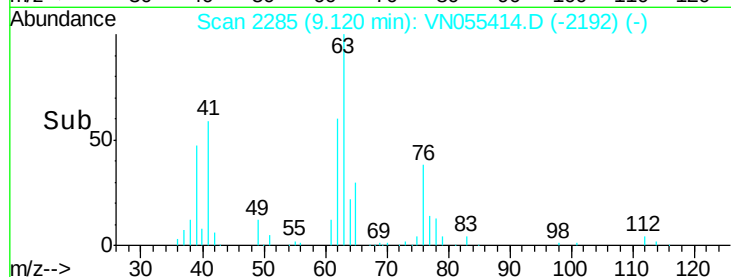
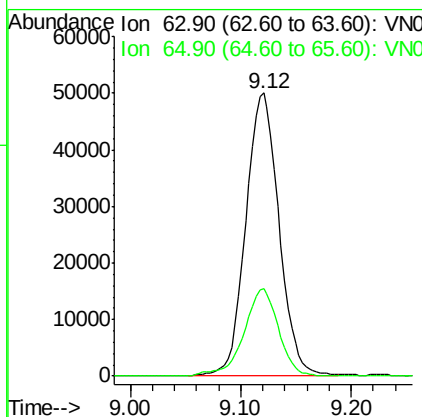
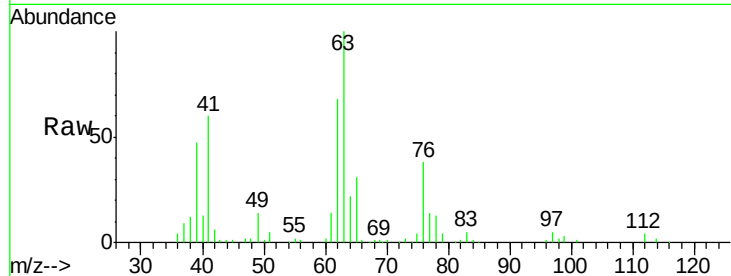
#45
 1,2-Dichloropropane
 Concen: 19.955 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion: 63 Resp: 104668
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.9 35.9

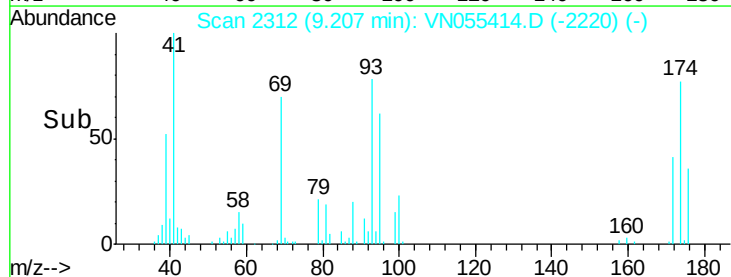
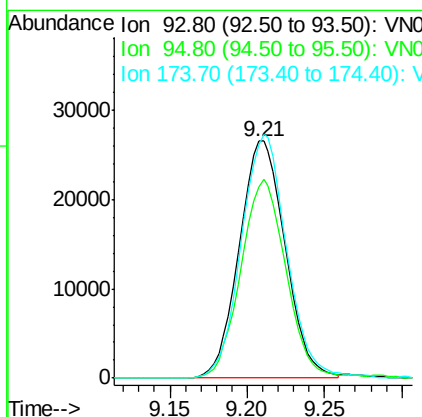
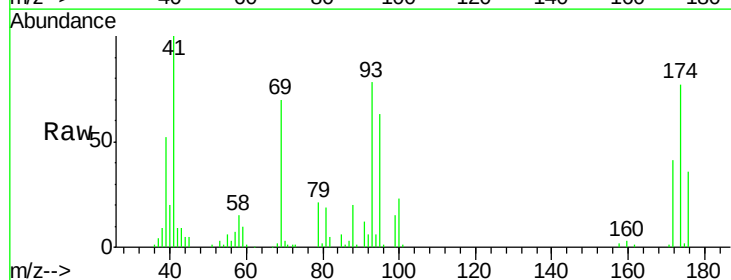
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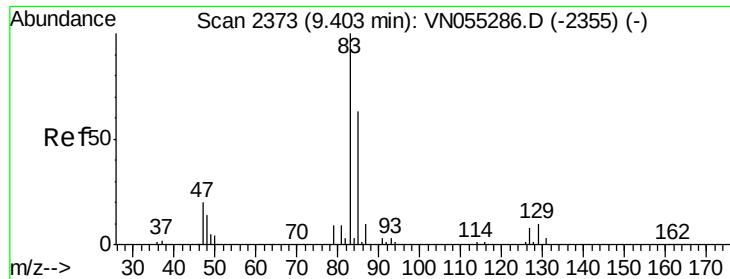
MMDadoda
 5/7/2019 1:22:38 PM



#46
 Dibromomethane
 Concen: 19.187 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Tgt Ion: 93 Resp: 55011
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.7 98.5
 174 101.6 81.5 122.3





#47

Bromodichloromethane

Concen: 19.604 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

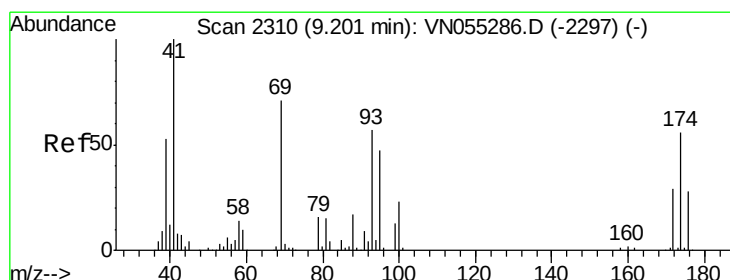
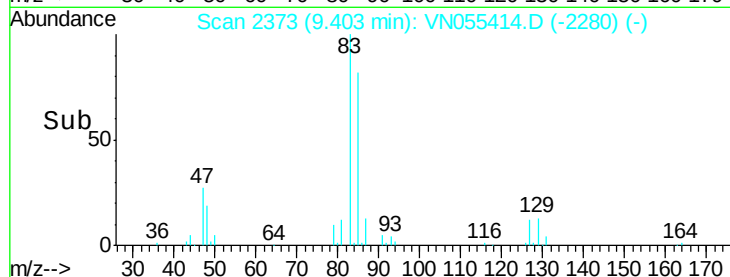
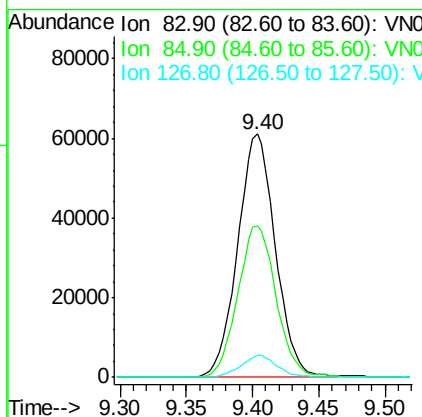
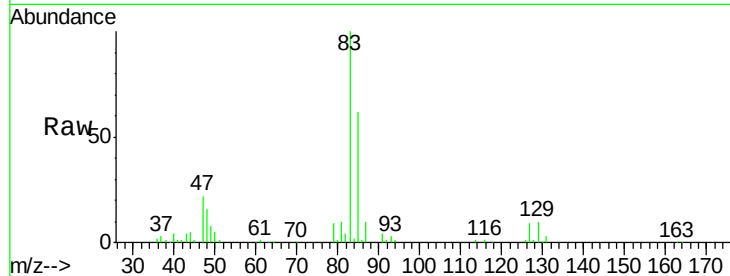
ClientSampleId :

VN0506WBSD01

Tot Ion:	83	Resp:	120576
Ion Ratio	Lower	Upper	
83	100		
85	62.4	50.1	75.1
127	9.0	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.810 ug/l

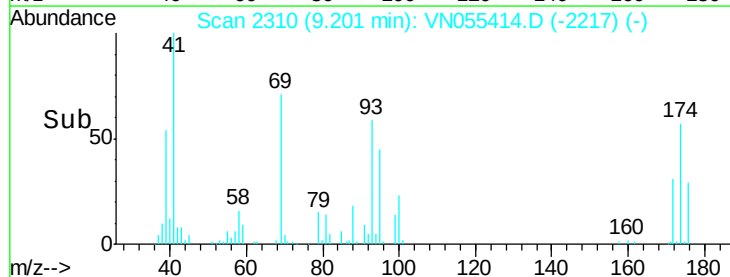
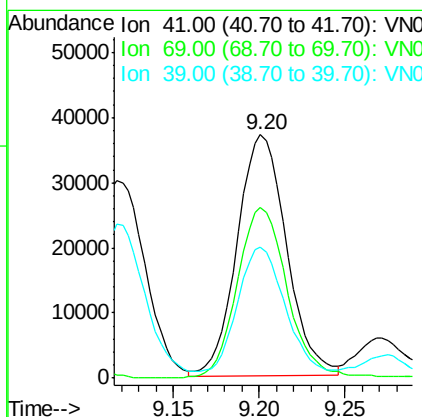
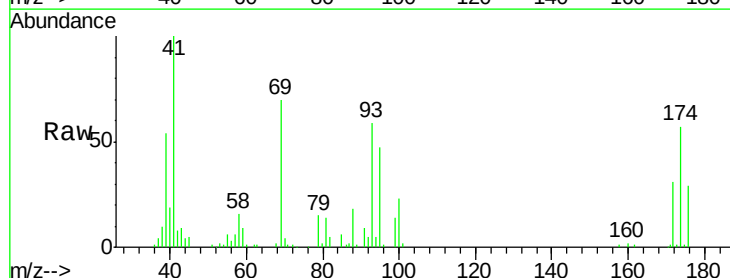
RT: 9.20 min Scan# 2310

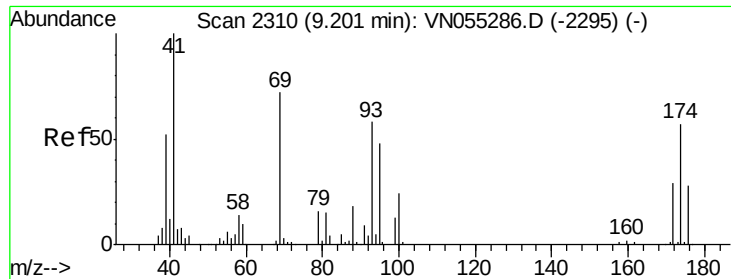
Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tgt Ion:	41	Resp:	73997
Ion Ratio	Lower	Upper	
41	100		
69	72.1	58.6	87.8
39	53.3	43.8	65.6





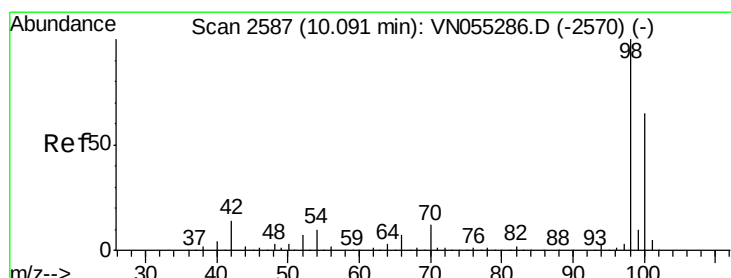
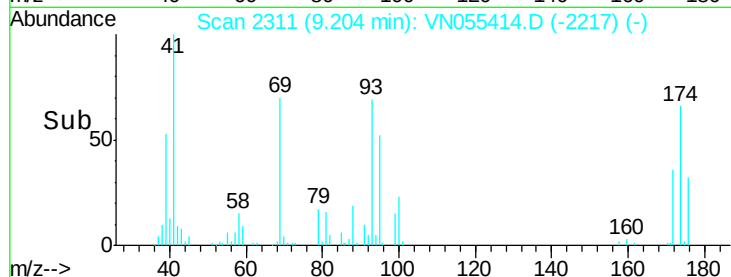
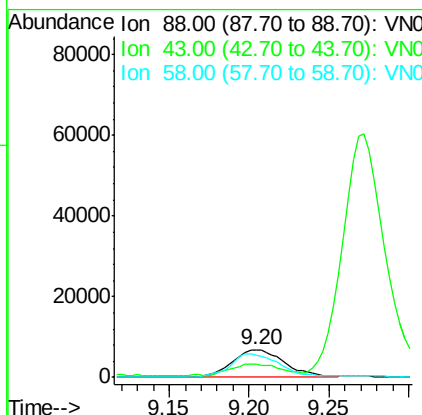
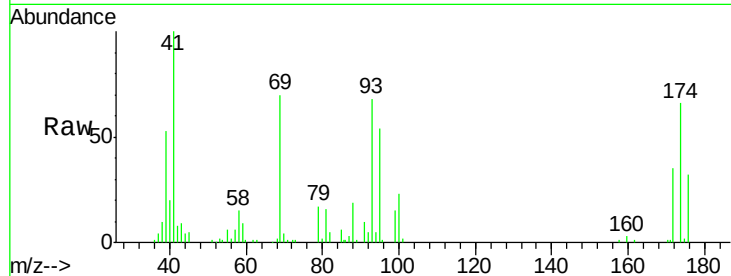
#49
1,4-Dioxane
Concen: 402.135 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	88	Resp	15528
Ion Ratio	Lower	Upper	
88	100		
43	36.0	33.3	49.9
58	80.3	62.7	94.1

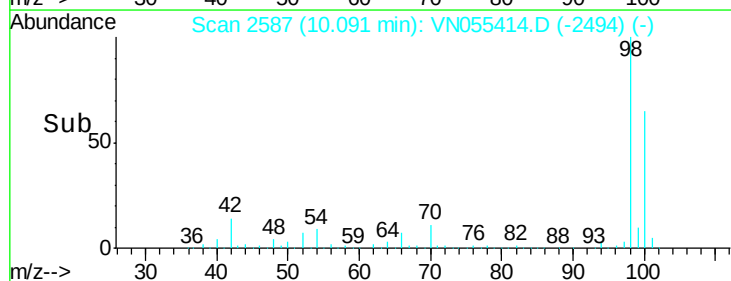
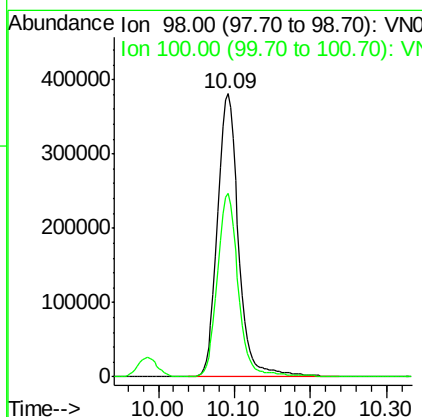
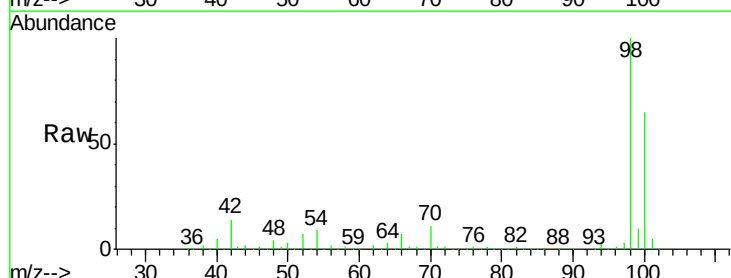
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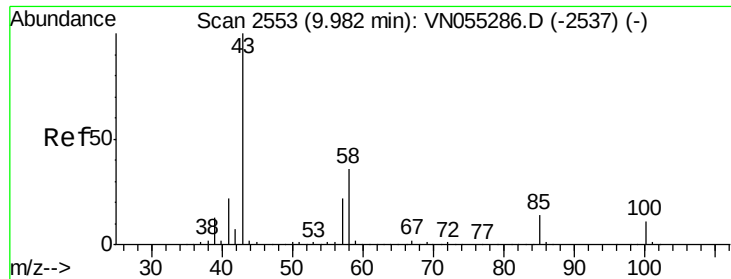
MMDadoda
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#50
Toluene-d8
Concen: 48.140 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion	98	Resp	734847
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 103.024 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 43 Resp: 440738

Ion Ratio Lower Upper

43 100

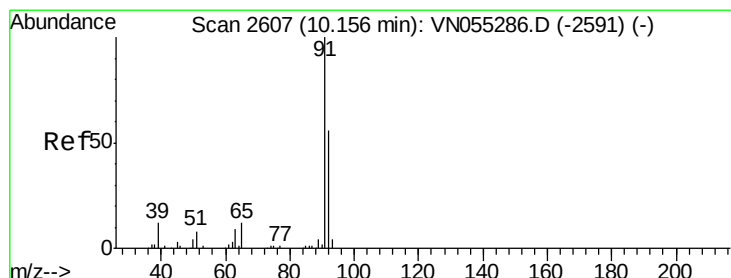
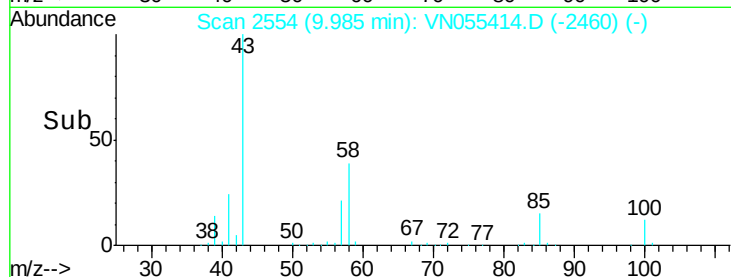
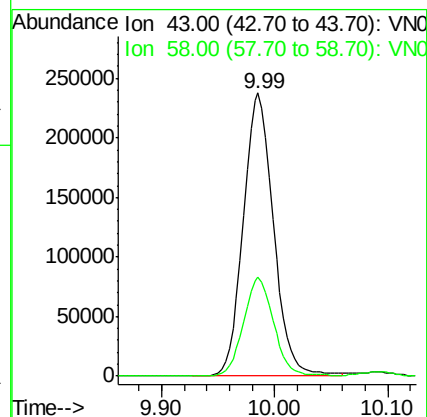
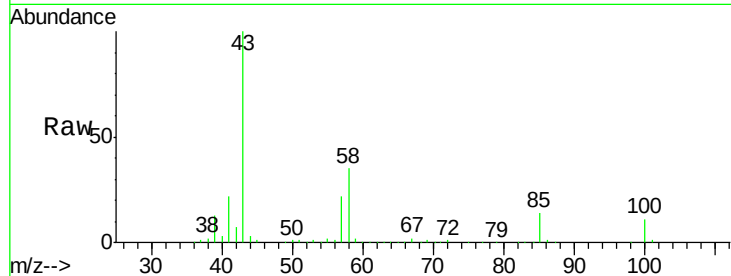
58 34.9 28.5 42.7

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#52

Toluene

Concen: 19.194 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055414.D

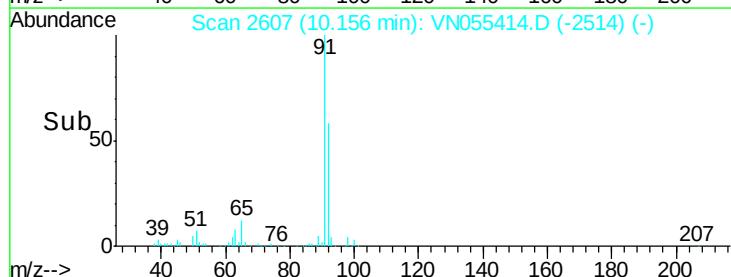
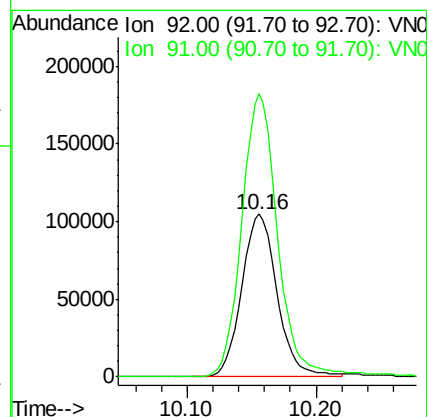
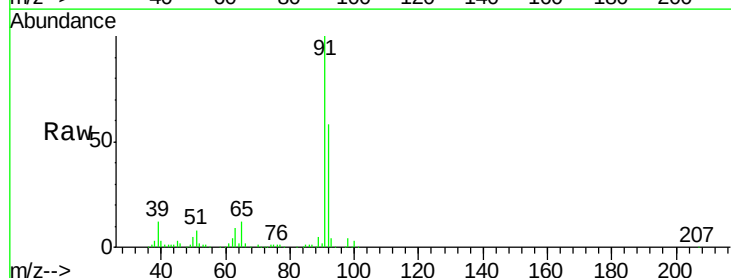
Acq: 6 May 2019 13:14

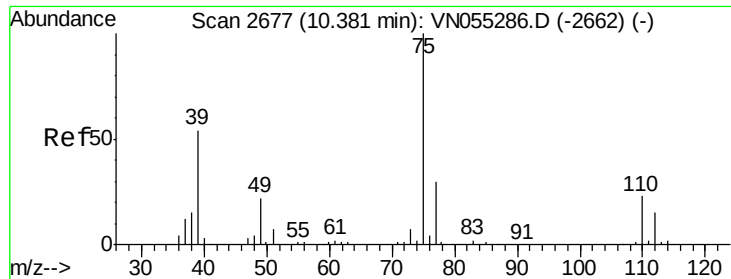
Tgt Ion: 92 Resp: 200282

Ion Ratio Lower Upper

92 100

91 177.8 140.1 210.1





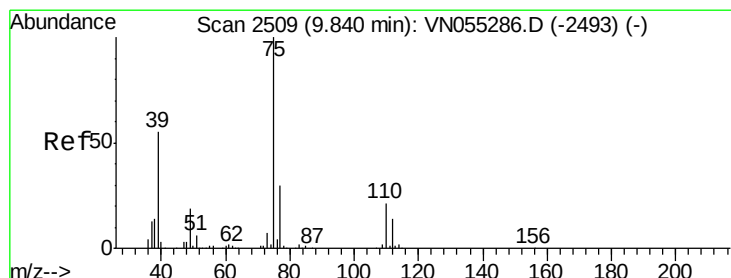
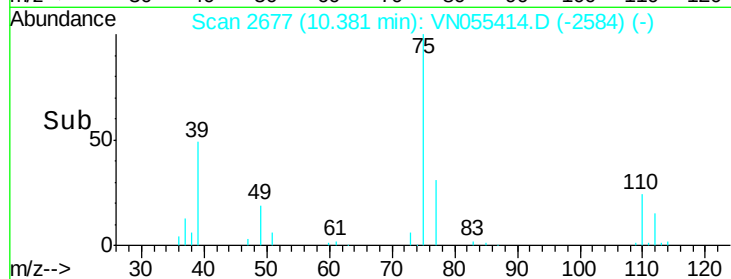
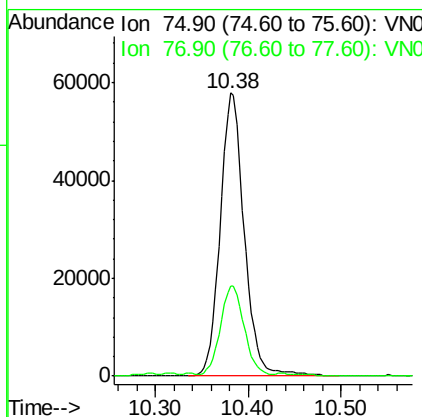
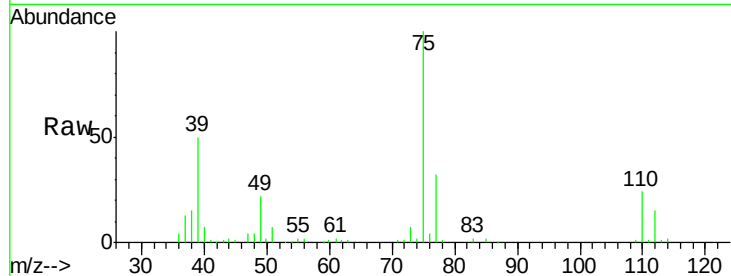
#53
t-1,3-Dichloropropene
Concen: 19.532 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.4	36.6

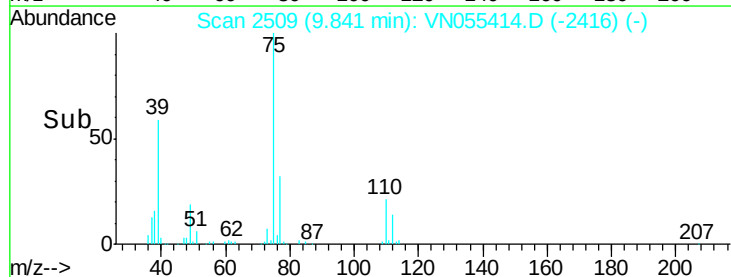
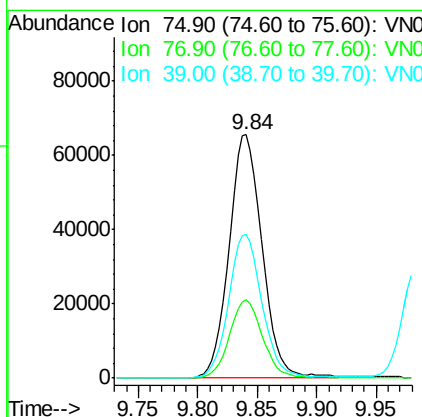
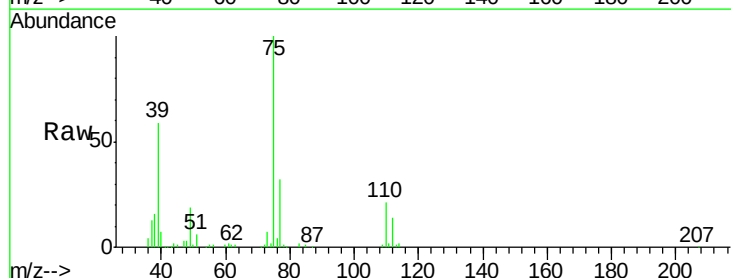
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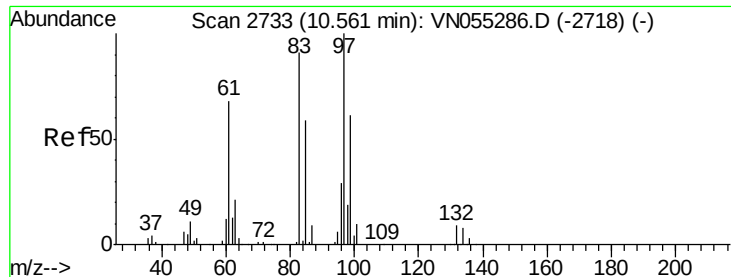
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.020 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.2
39	58.9	44.2	66.2





#55

1,1,2-Trichloroethane

Concen: 19.930 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

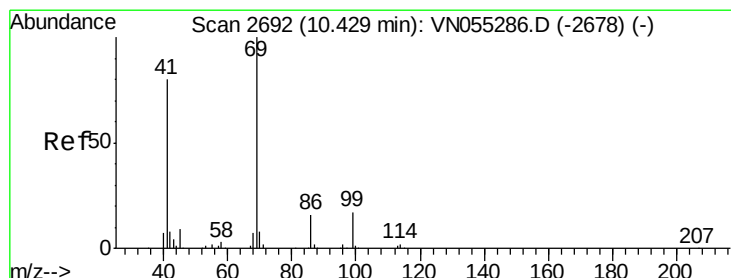
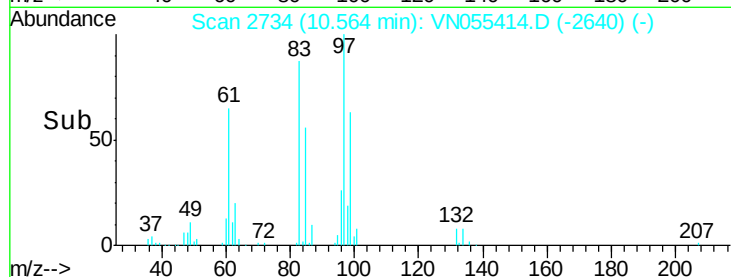
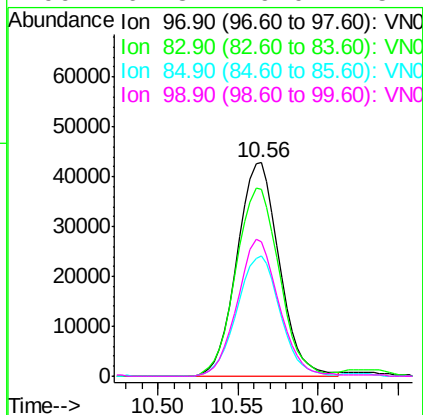
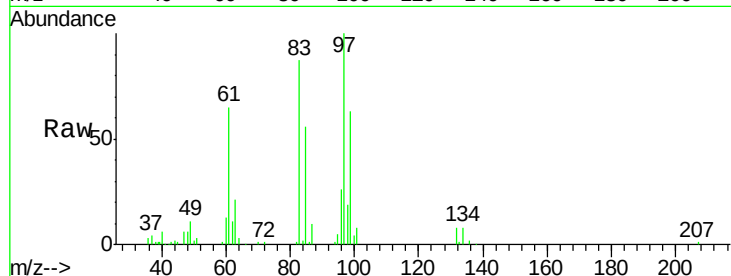
ClientSampleId :

VN0506WBSD01

Tot Ion:	97	Resp:	77227
Ion	Ratio	Lower	Upper
97	100		
83	87.4	72.8	109.2
85	56.1	47.0	70.6
99	62.8	49.0	73.4

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#56

Ethyl methacrylate

Concen: 20.201 ug/l

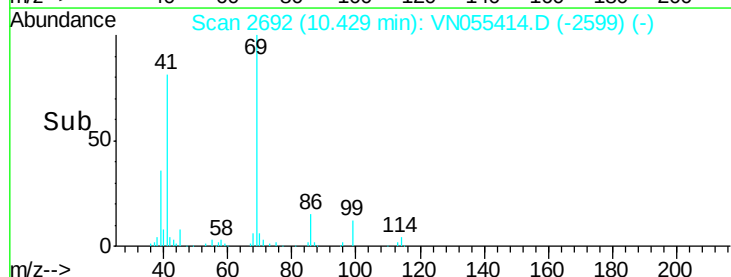
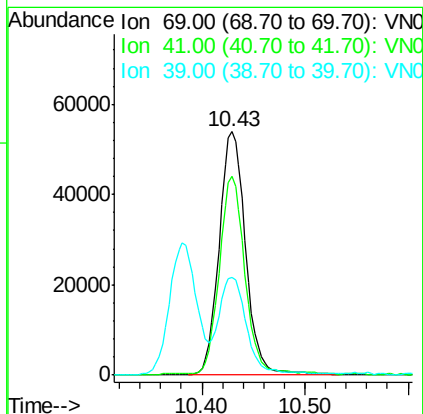
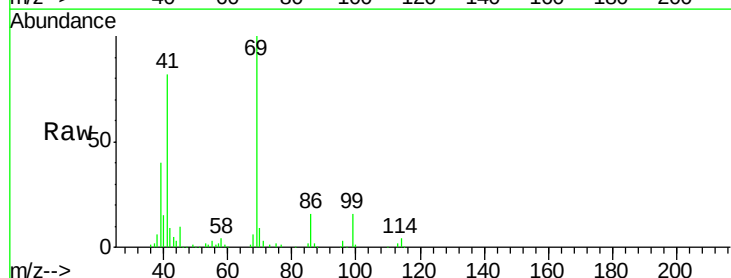
RT: 10.43 min Scan# 2692

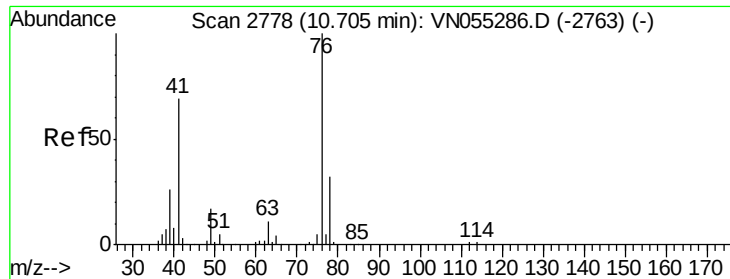
Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tgt Ion:	69	Resp:	96346
Ion	Ratio	Lower	Upper
69	100		
41	77.3	62.7	94.1
39	40.3	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.185 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 76 Resp: 137207

Ion Ratio Lower Upper

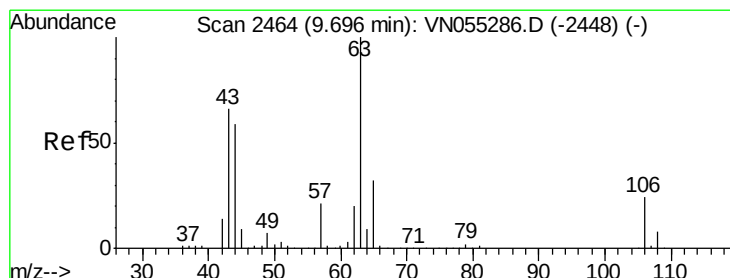
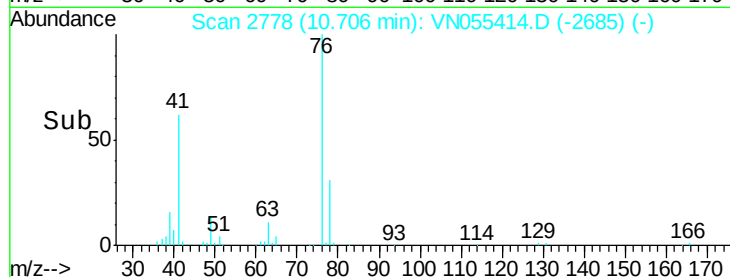
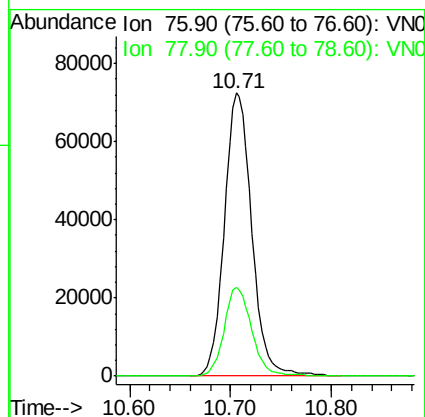
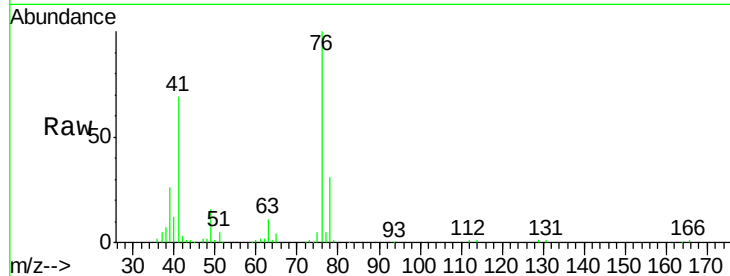
76 100

78 31.3 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 76.864 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055414.D

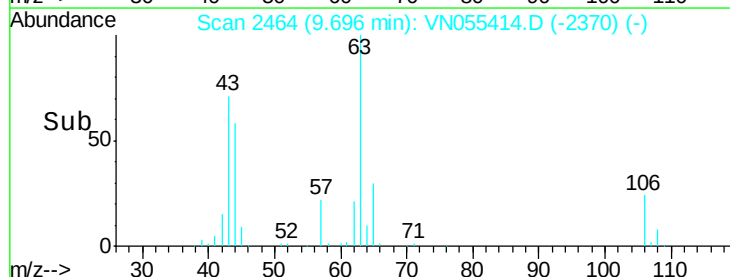
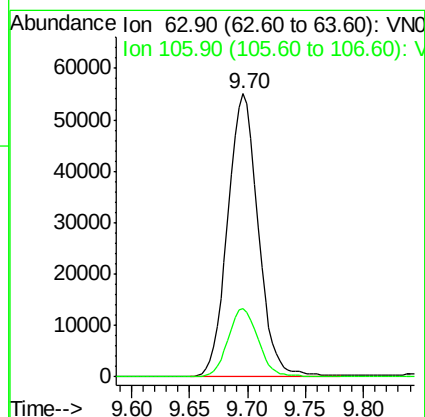
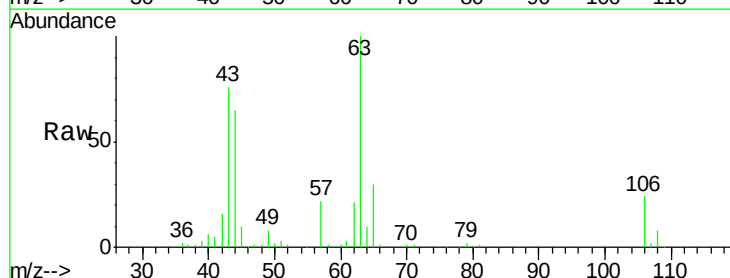
Acq: 6 May 2019 13:14

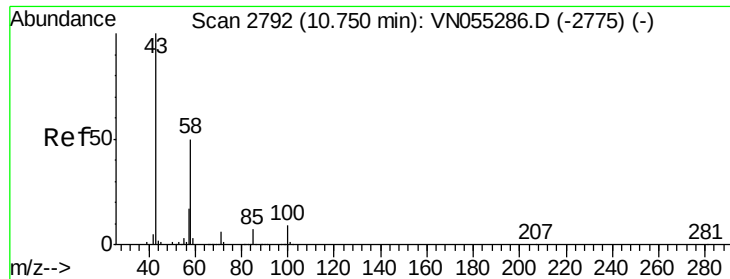
Tgt Ion: 63 Resp: 100390

Ion Ratio Lower Upper

63 100

106 23.6 19.0 28.4





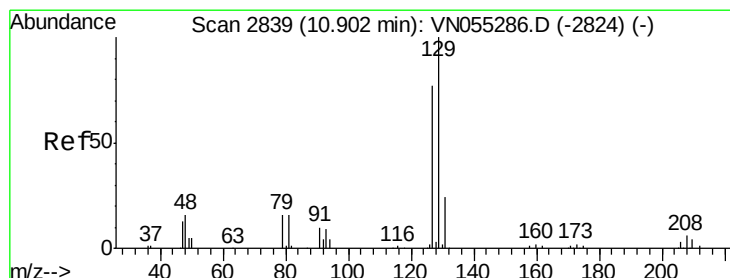
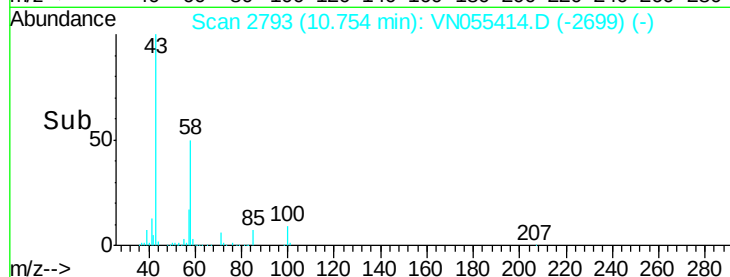
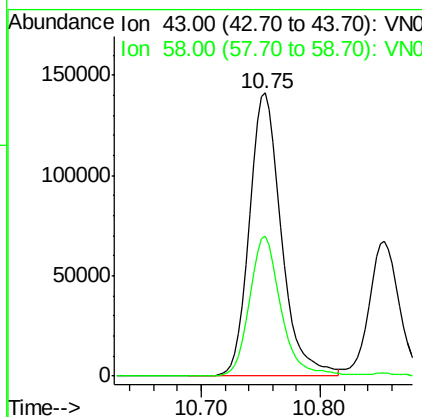
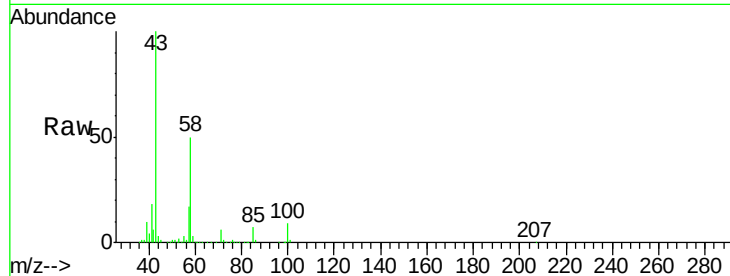
#59
2-Hexanone
Concen: 97.438 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 43 Resp: 260812
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.6

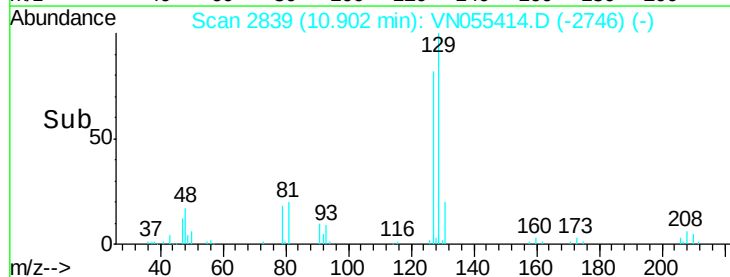
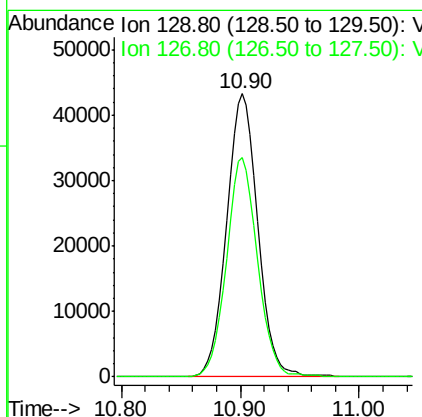
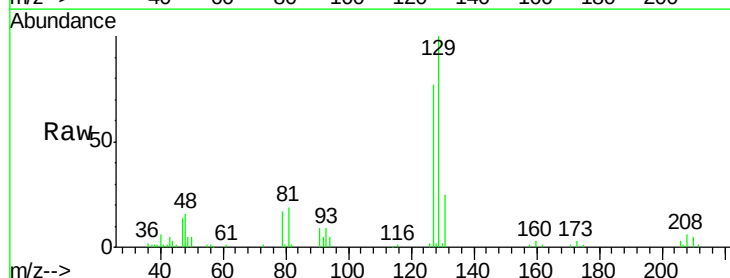
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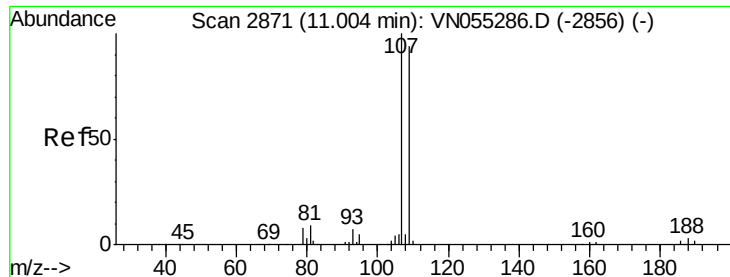
MMDadoda
5/7/2019 1:22:38 PM



#60
Dibromochloromethane
Concen: 19.826 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion: 129 Resp: 78514
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 19.639 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion:107 Resp: 70336

Ion Ratio Lower Upper

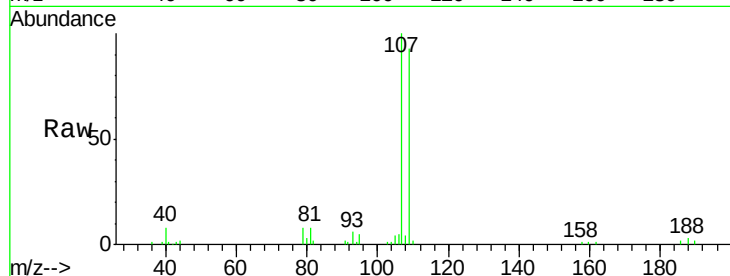
107 100

109 94.4 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

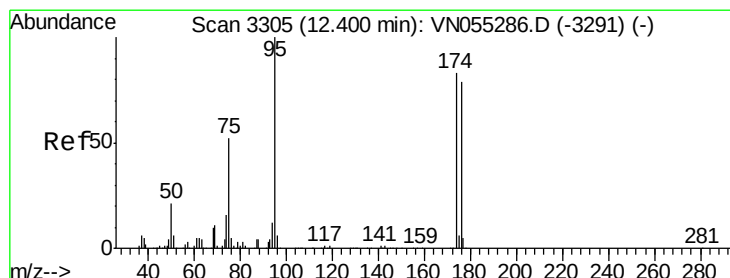
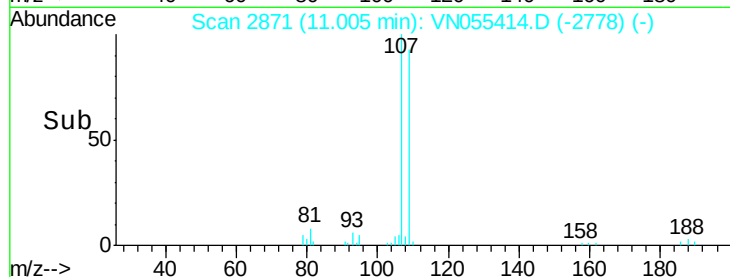
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 49.975 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

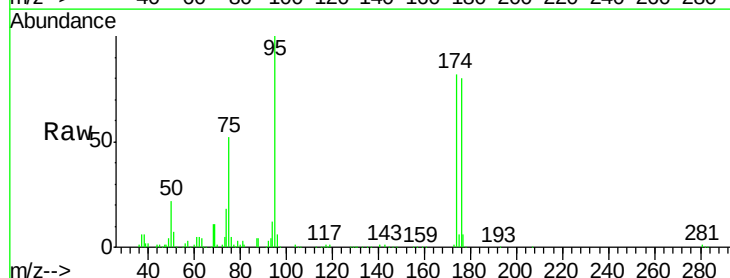
Tgt Ion: 95 Resp: 238418

Ion Ratio Lower Upper

95 100

174 82.7 0.0 166.6

176 79.7 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

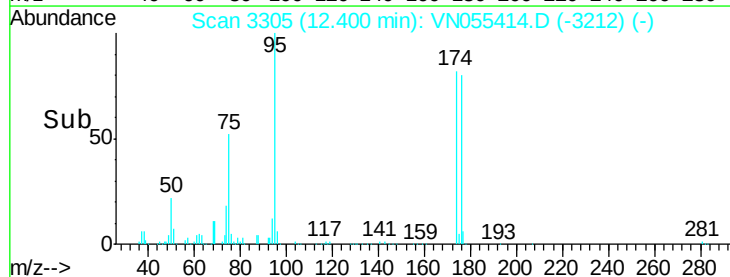
100000

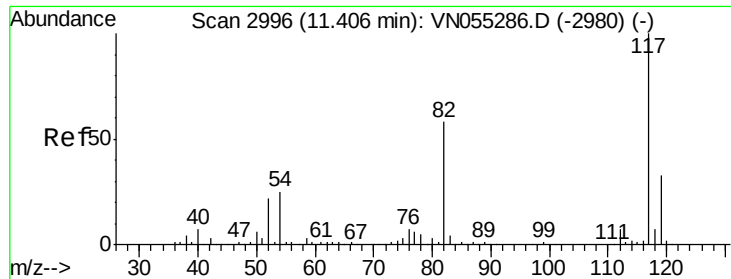
50000

0

Time-->

12.30 12.40 12.50





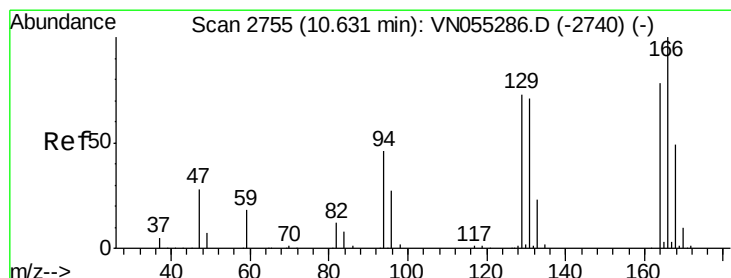
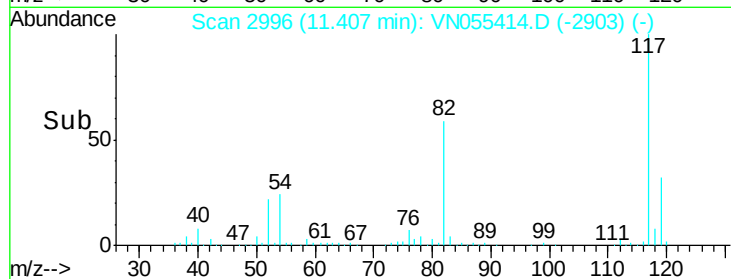
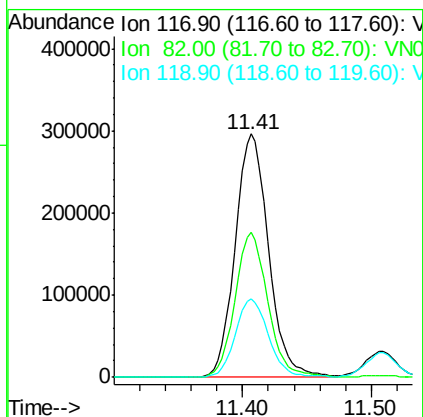
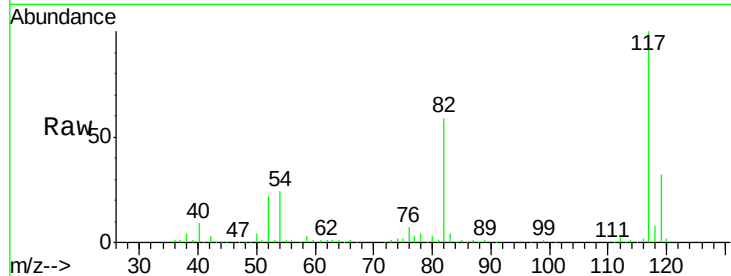
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.2	69.4
119	32.1	26.6	40.0

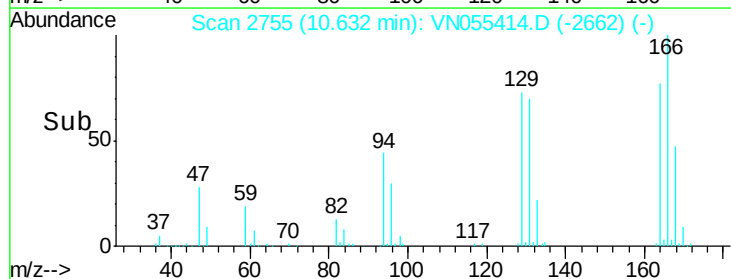
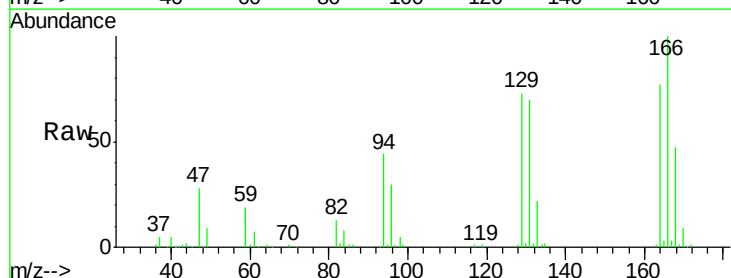
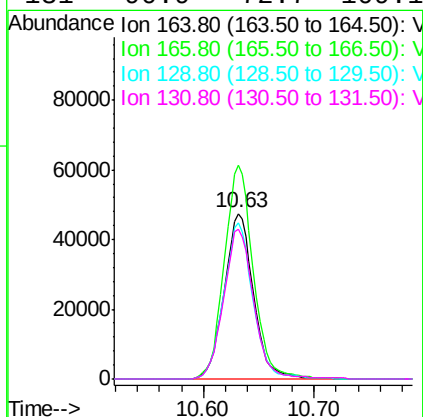
Manual Integrations
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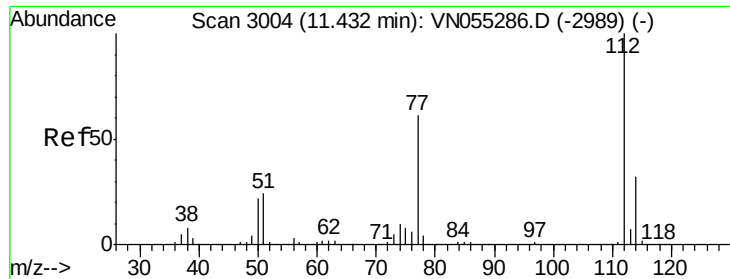
MMDadoda
5/7/2019 1:22:38 PM



#64
Tetrachloroethene
Concen: 19.991 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.3	153.5
129	94.2	75.0	112.6
131	90.9	72.7	109.1





#65

Chlorobenzene

Concen: 19.555 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion:112 Resp: 204308

Ion Ratio Lower Upper

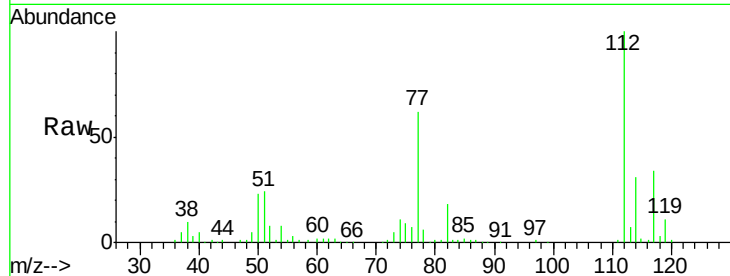
112 100

114 30.6 25.3 37.9

Manual Integrations
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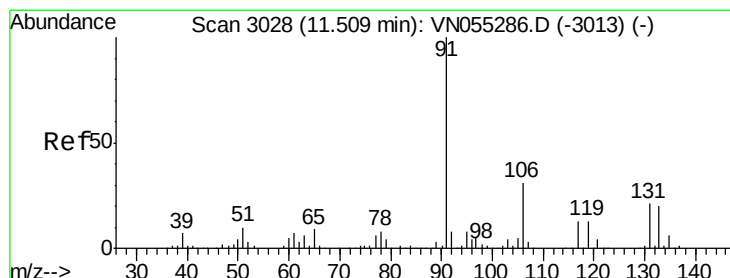
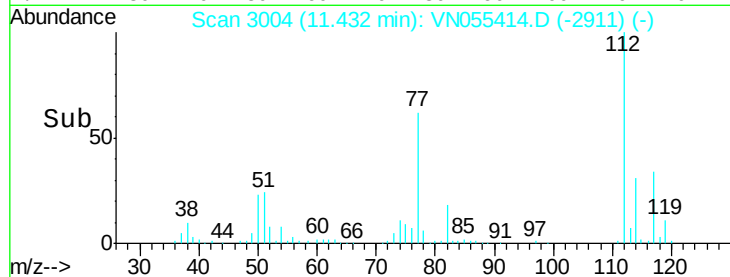
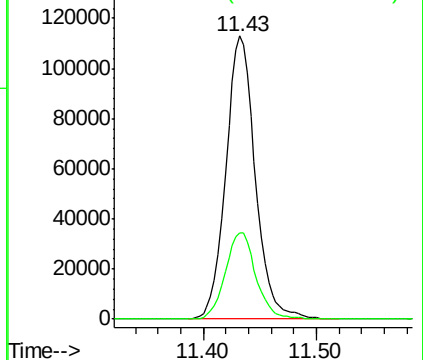
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.764 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

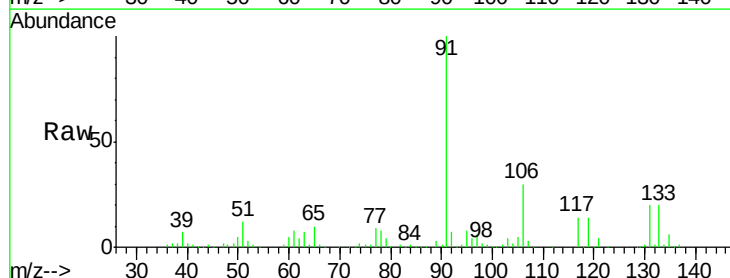
Tgt Ion:131 Resp: 76762

Ion Ratio Lower Upper

131 100

133 98.9 47.5 142.6

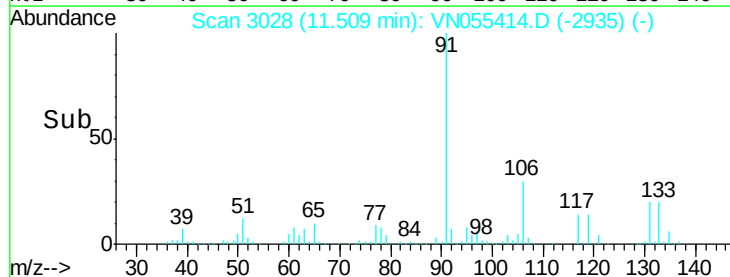
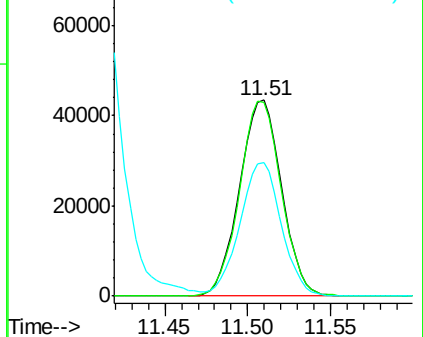
119 67.2 32.7 98.1

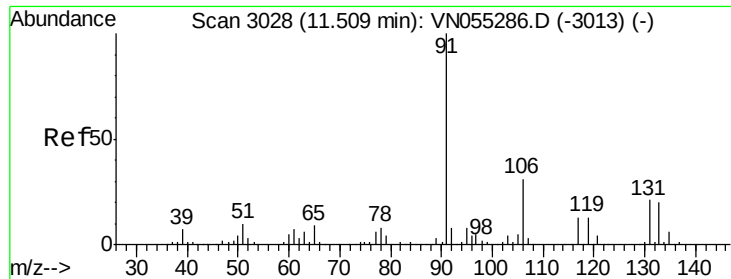


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





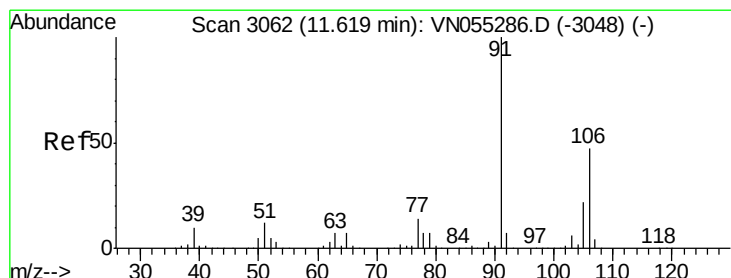
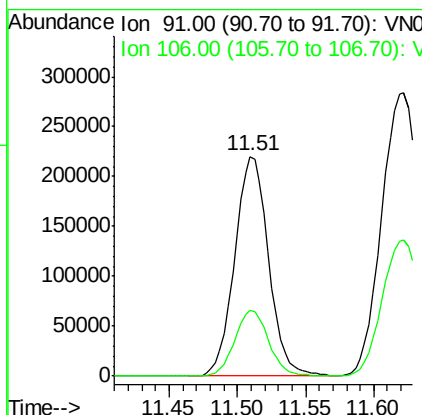
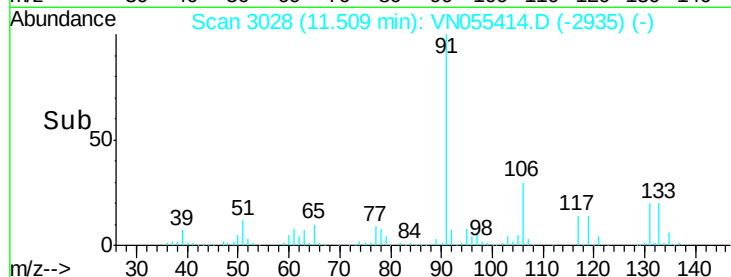
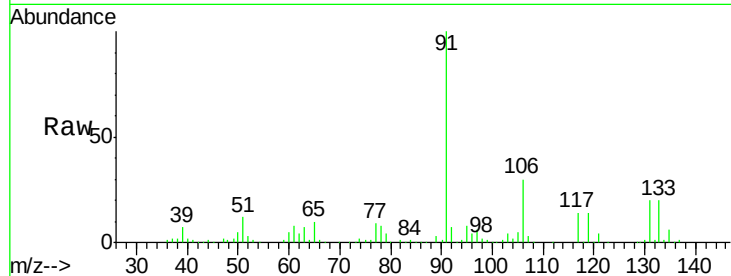
#67
Ethyl Benzene
Concen: 20.072 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion: 91 Resp: 378686
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8

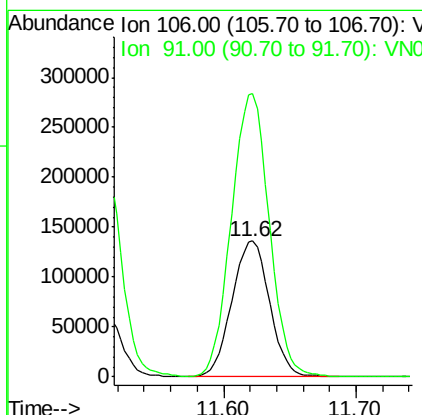
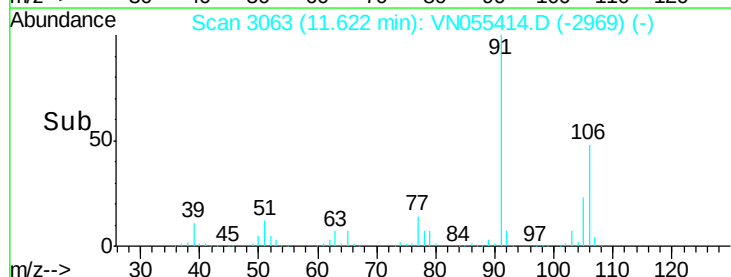
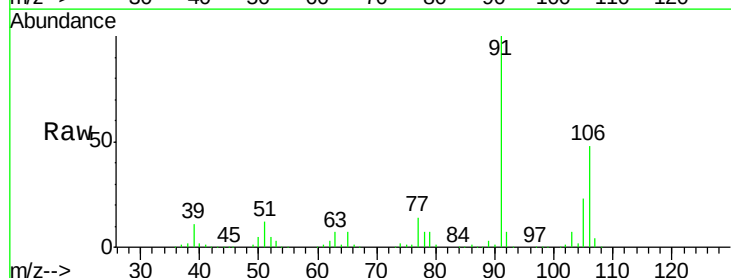
Manual Integrations
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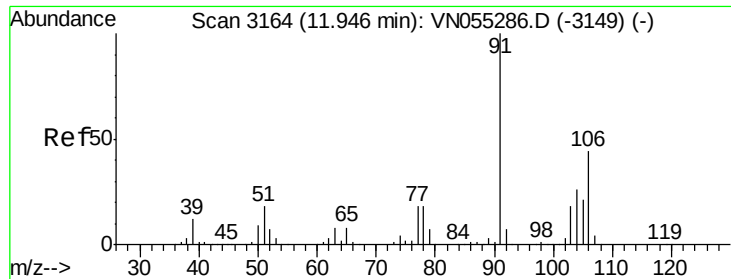
MMDadoda
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#68
m/p-Xylenes
Concen: 39.915 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion: 106 Resp: 268799
Ion Ratio Lower Upper
106 100
91 208.7 169.5 254.3





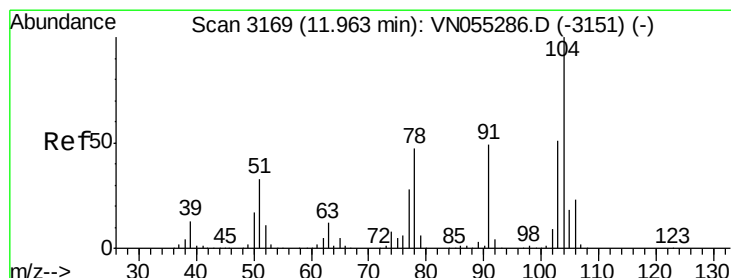
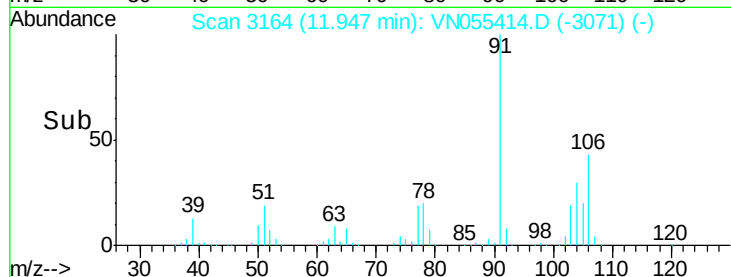
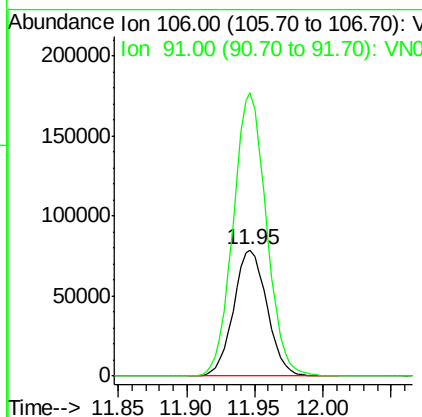
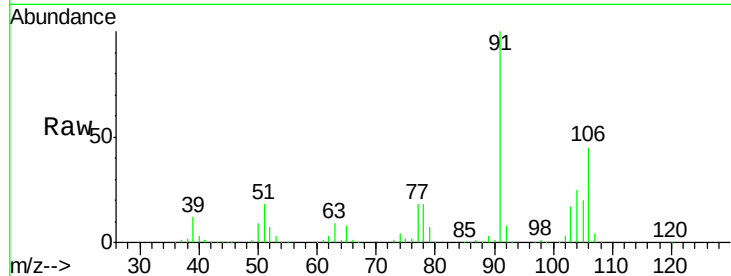
#69
o-Xylene
Concen: 20.084 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Tot Ion:106 Resp: 134057
Ion Ratio Lower Upper
106 100
91 222.7 111.5 334.5

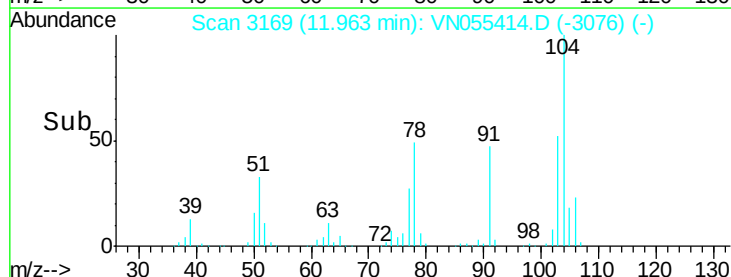
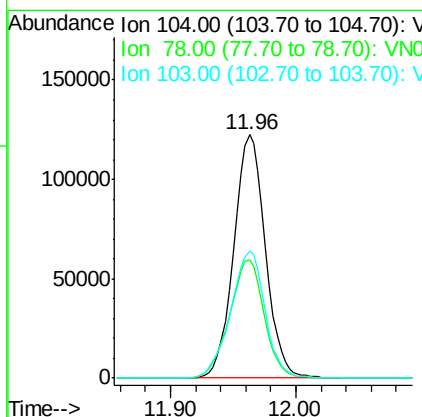
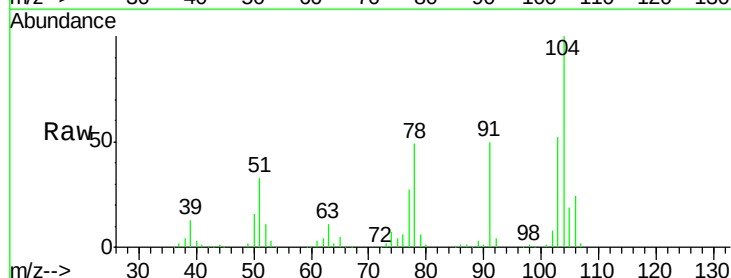
Manual Integrations
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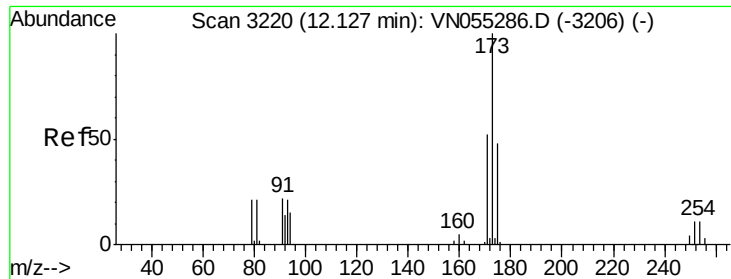
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#70
Styrene
Concen: 20.876 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion:104 Resp: 213943
Ion Ratio Lower Upper
104 100
78 53.2 42.2 63.2
103 56.9 44.6 67.0





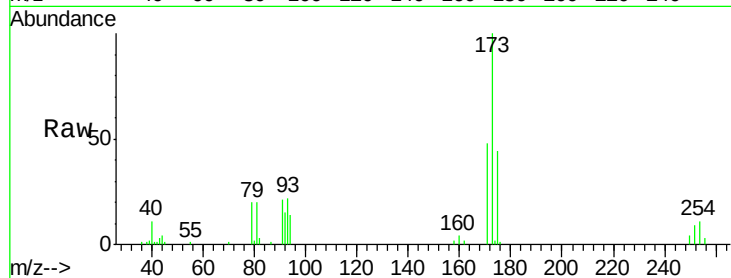
#71
Bromoform
Concen: 20.681 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

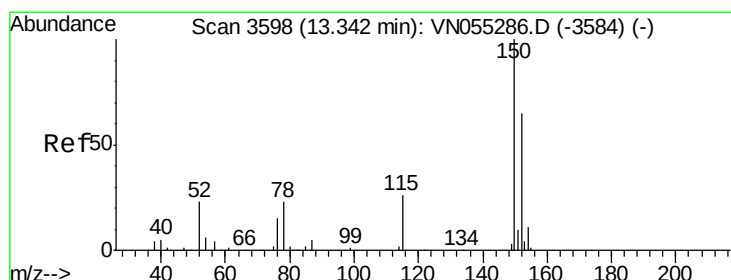
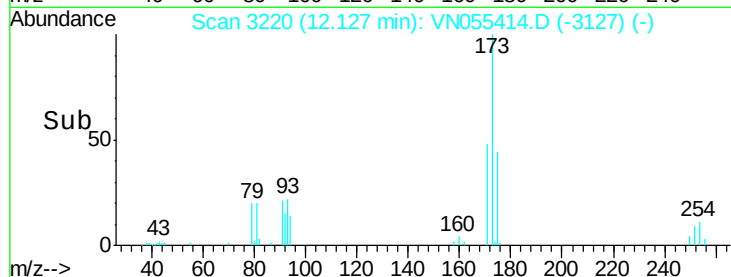
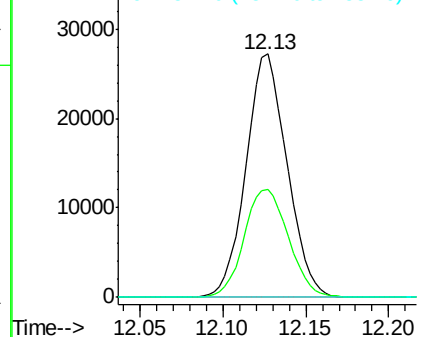
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.6	71.0
254	0.0	0.0	0.0

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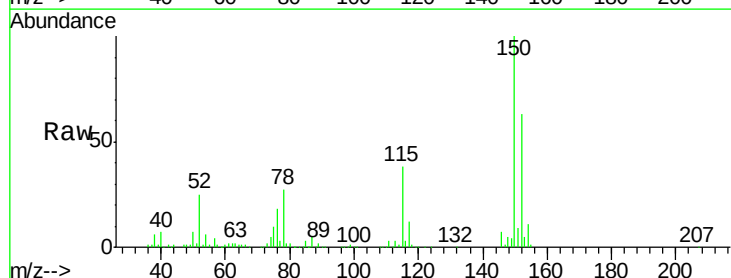


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

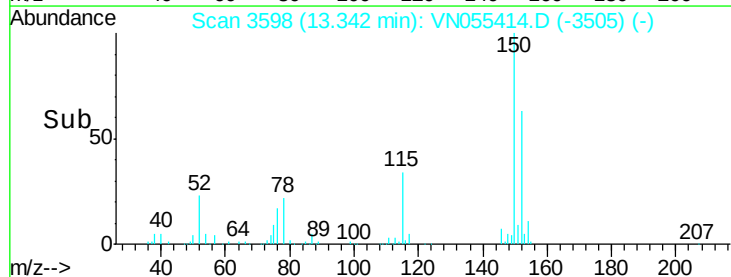
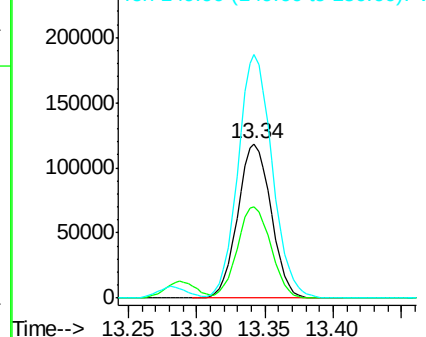


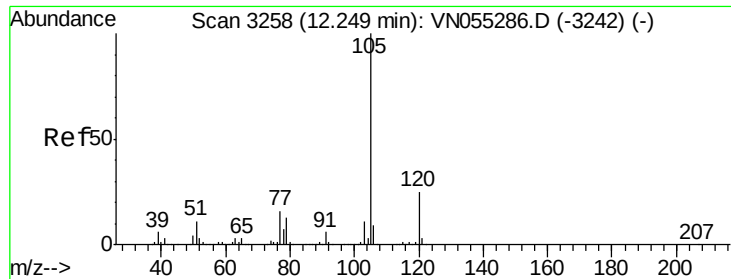
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055414.D
Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.0	87.0
150	161.8	0.0	345.6



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: 20.803 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 105 Resp: 362245

Ion Ratio Lower Upper

105 100

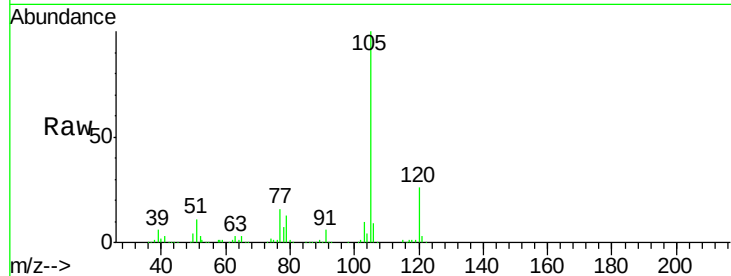
120 26.0 12.9 38.7

Manual Integrations

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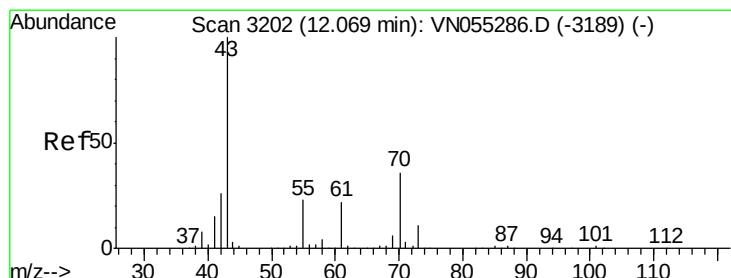
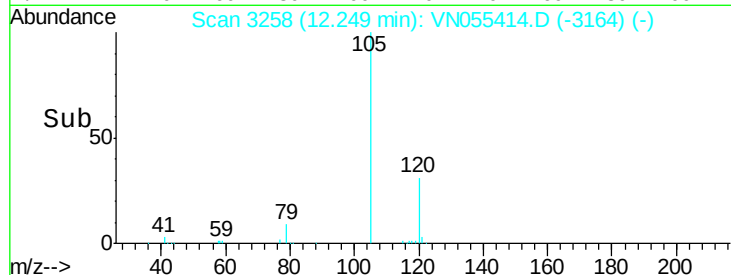
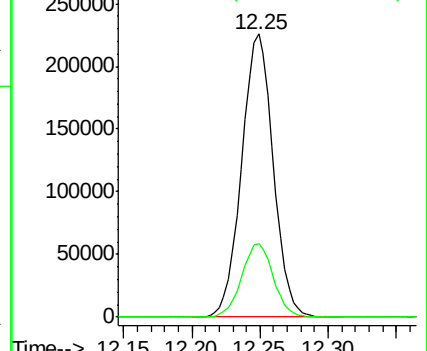
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.570 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tgt Ion: 43 Resp: 95791

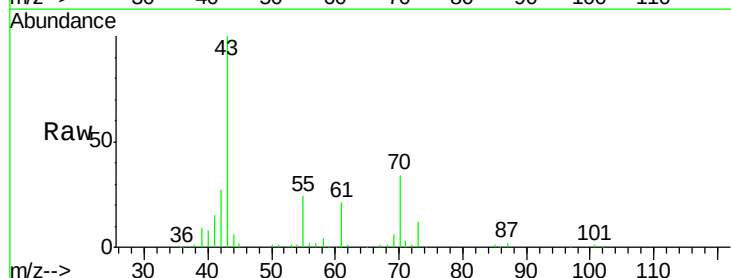
Ion Ratio Lower Upper

43 100

70 34.3 27.9 41.9

55 22.9 18.2 27.2

61 20.3 16.9 25.3

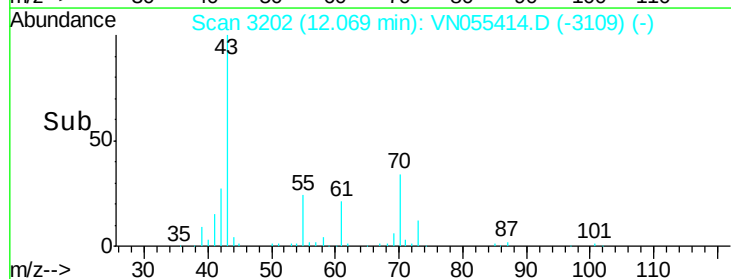
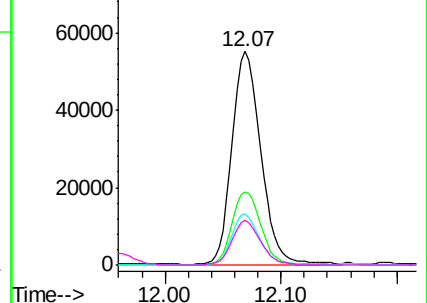


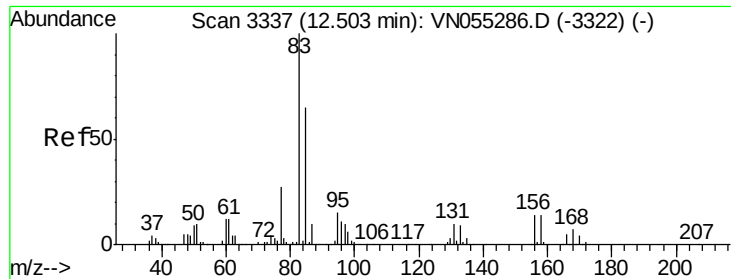
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.995 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

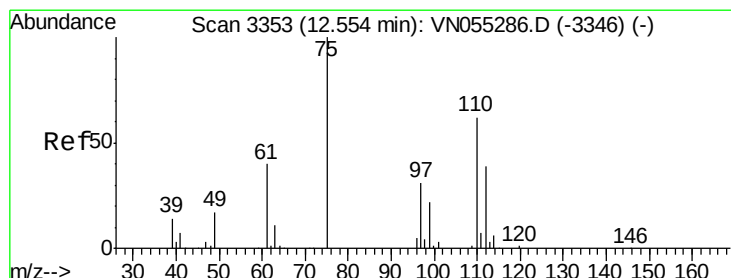
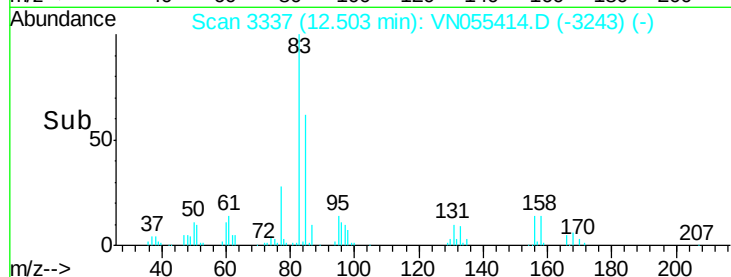
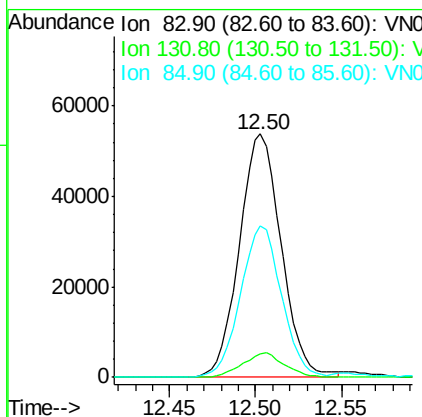
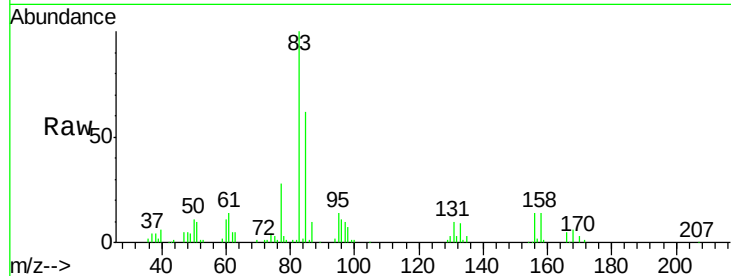
ClientSampled :

VN0506WBSD01

Tot Ion:	83	Resp:	90960
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	60.8	32.3	96.8

Manual Integrations
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5/7/2019 1:22:38 PM



#76

1,2,3-Trichloropropane

Concen: 18.232 ug/l m

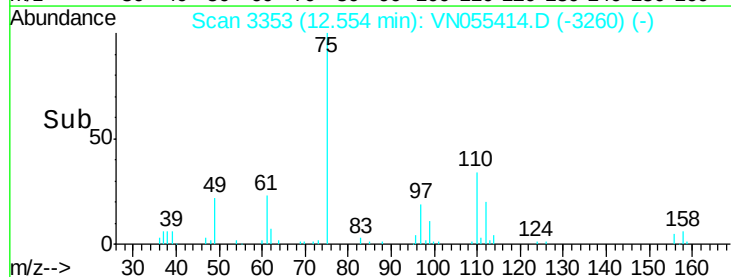
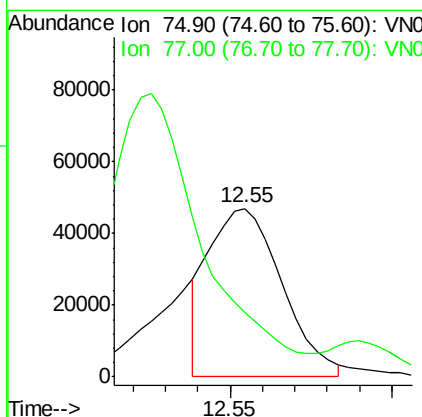
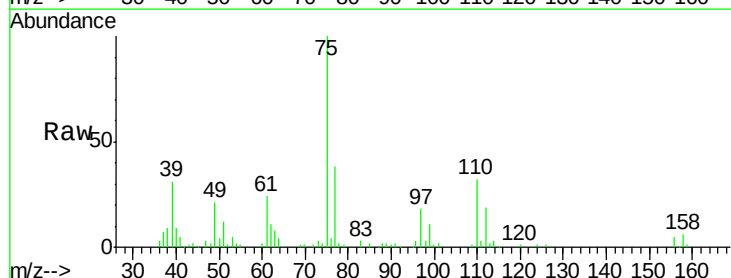
RT: 12.55 min Scan# 3353

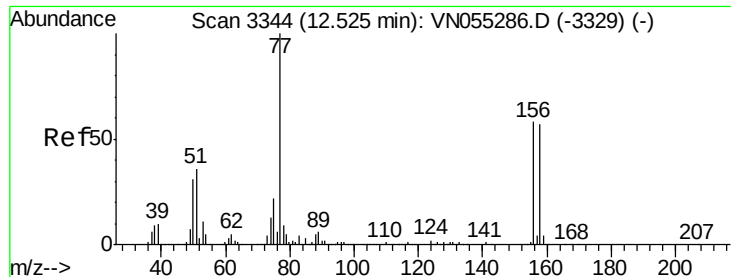
Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tgt Ion:	75	Resp:	74091
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.115 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

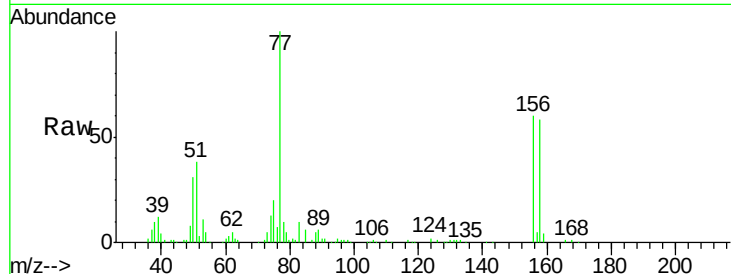
ClientSampleId :

VN0506WBSD01

Tot Ion:	156	Resp:	82184
Ion	Ratio	Lower	Upper
156	100		
77	200.5	99.6	298.8
158	98.7	49.3	147.8

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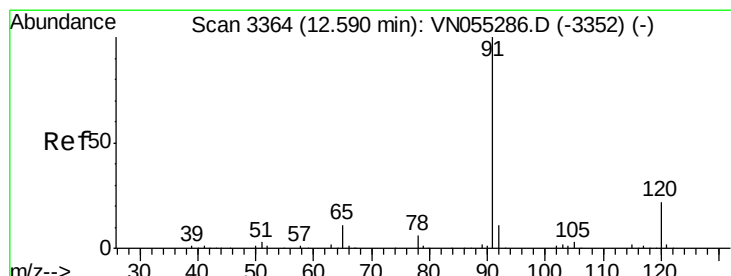
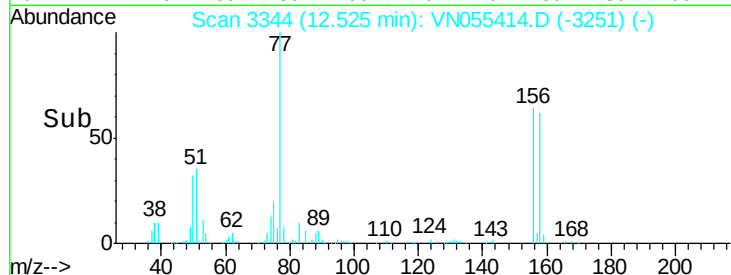
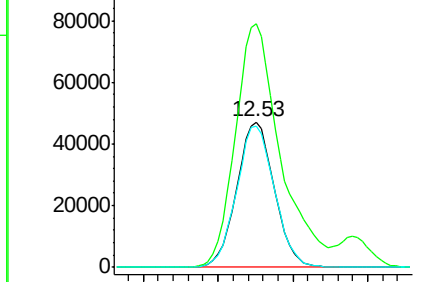
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): VN055286.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN055286.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN055286.D (-3329) (-)



#78

n-propylbenzene

Concen: 18.705 ug/l

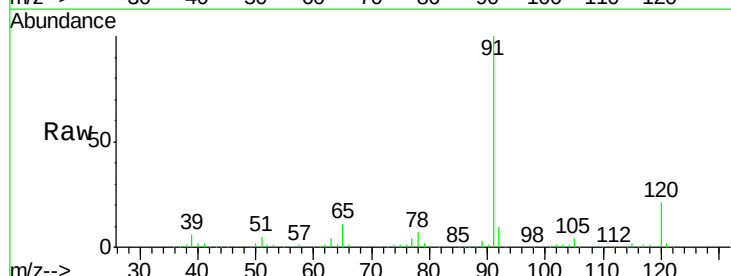
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055414.D

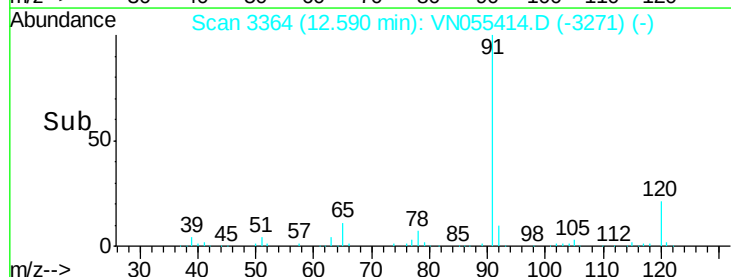
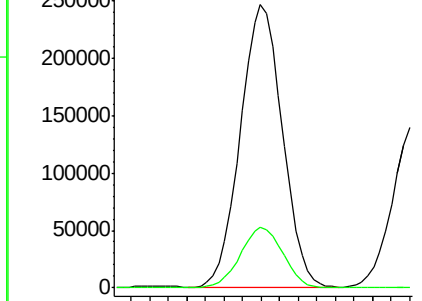
Acq: 6 May 2019 13:14

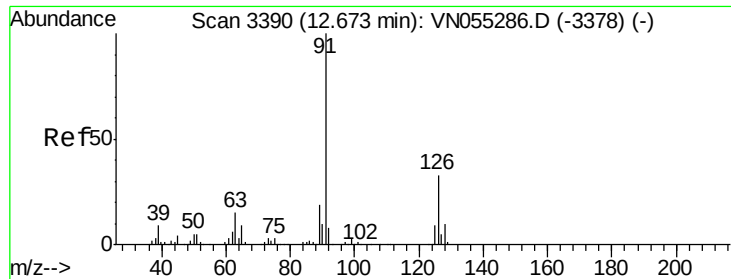
Tgt Ion:	91	Resp:	386202
Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055286.D (-3352) (-)





#79

2-Chlorotoluene

Concen: 20.860 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampled :

VN0506WBSD01

Tot Ion: 91 Resp: 244139

Ion Ratio Lower Upper

91 100

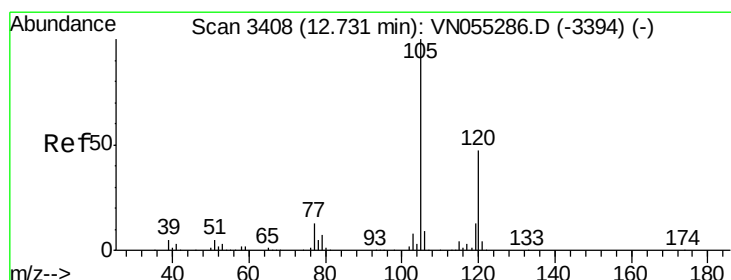
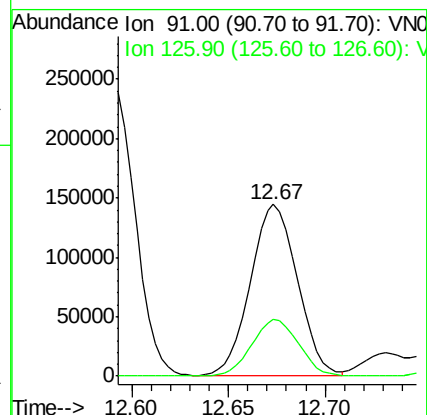
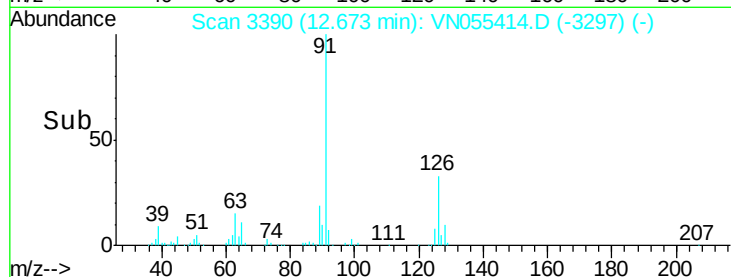
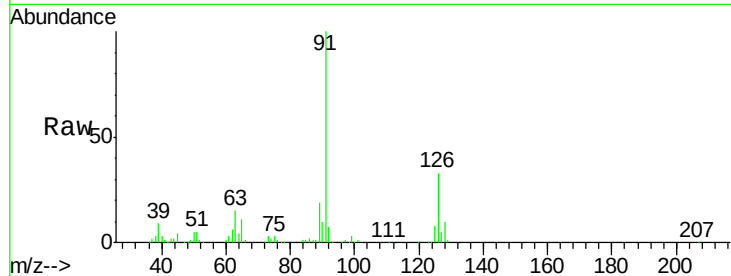
126 32.9 16.6 49.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.674 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055414.D

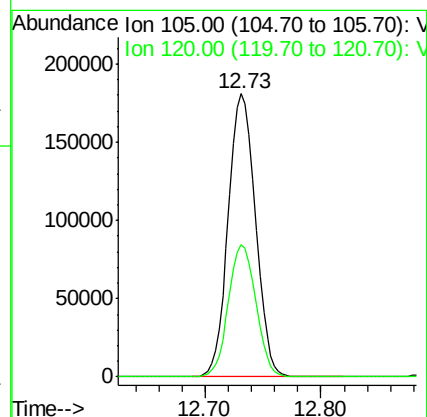
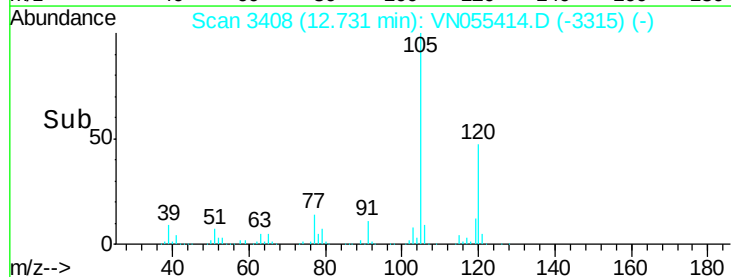
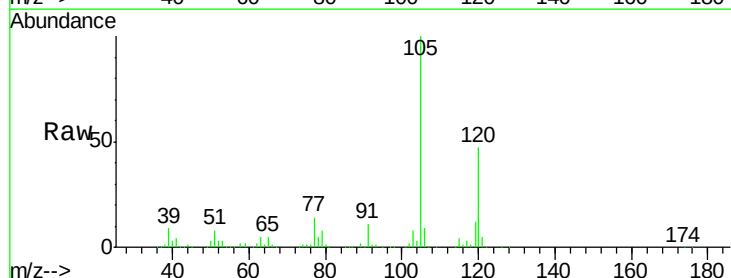
Acq: 6 May 2019 13:14

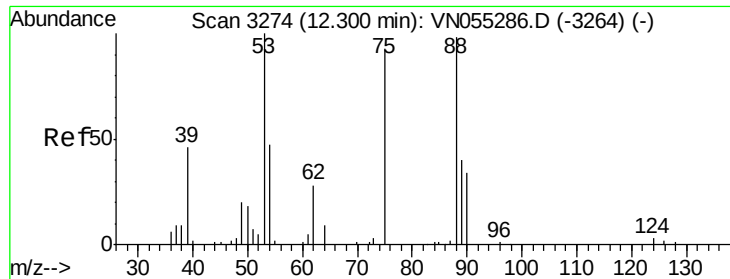
Tgt Ion: 105 Resp: 294268

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.334 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion: 75 Resp: 19446

Ion Ratio Lower Upper

75 100

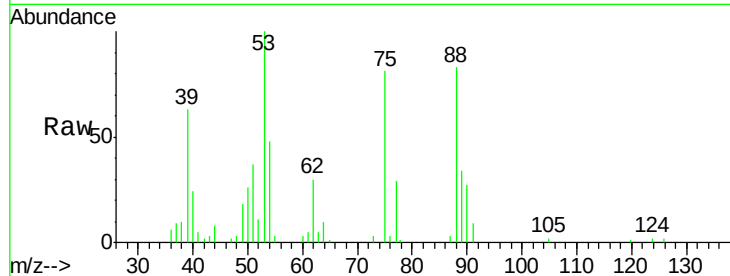
53 122.0 86.3 129.5

89 40.7 34.6 51.8

Manual Integrations
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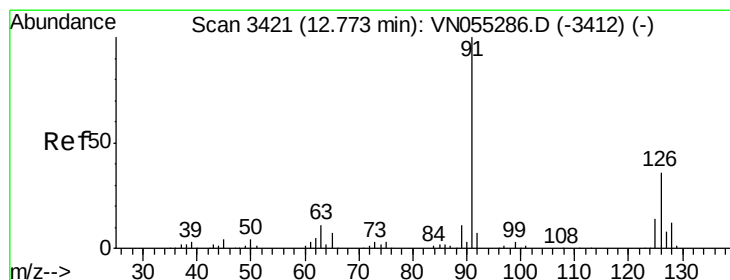
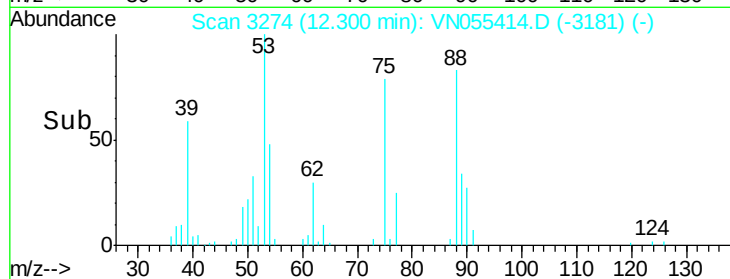
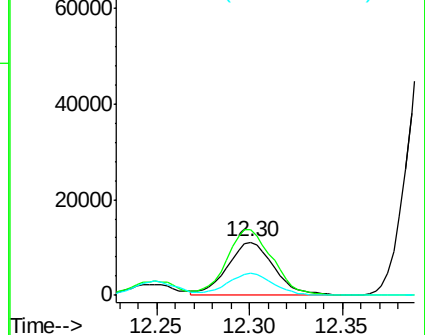
5/7/2019 1:22:38 PM



Abundance Ion 74.90 (74.60 to 75.60): VN055414.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055414.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055414.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 18.912 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055414.D

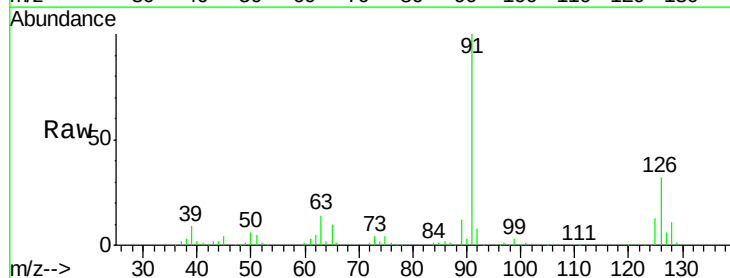
Acq: 6 May 2019 13:14

Tgt Ion: 91 Resp: 227040

Ion Ratio Lower Upper

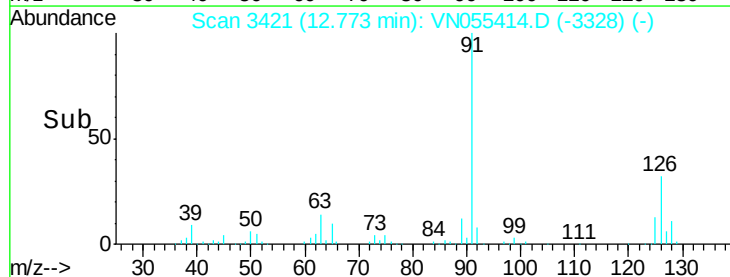
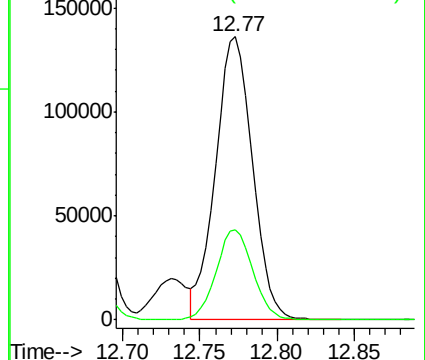
91 100

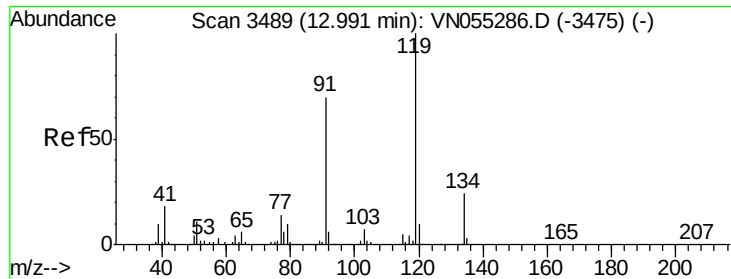
126 31.5 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055414.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN055414.D (-3328) (-)





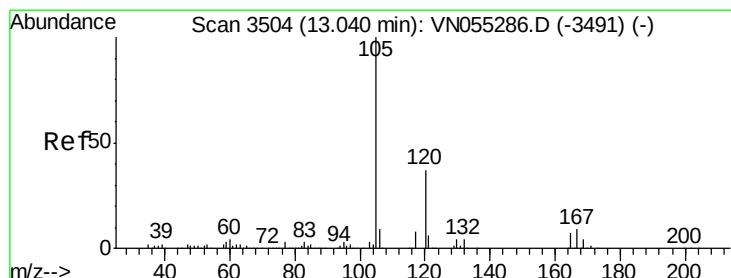
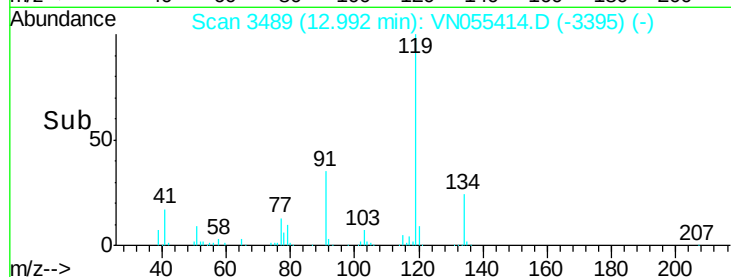
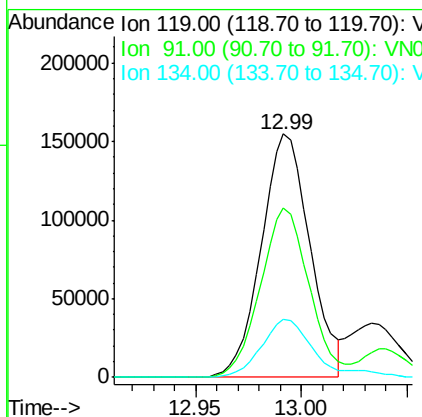
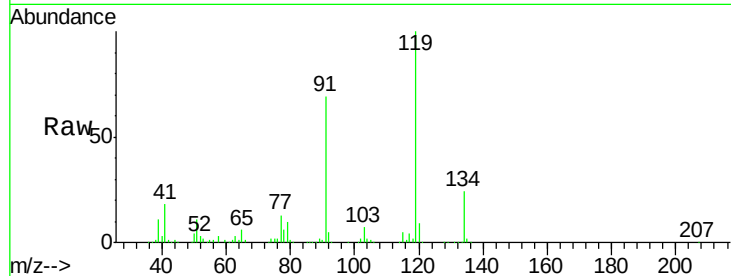
#83
 tert-Butylbenzene
 Concen: 20.600 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	248852		
91	69.5	34.3	102.9	
134	26.2	13.1	39.3	

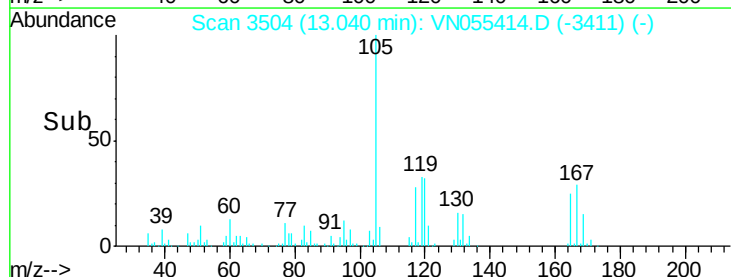
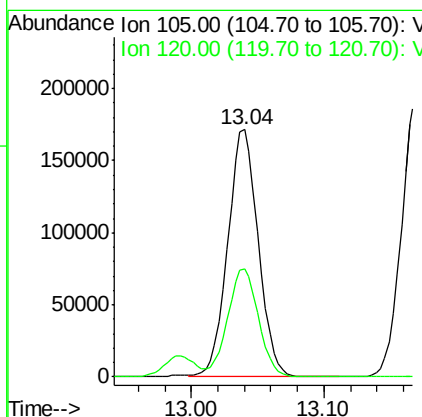
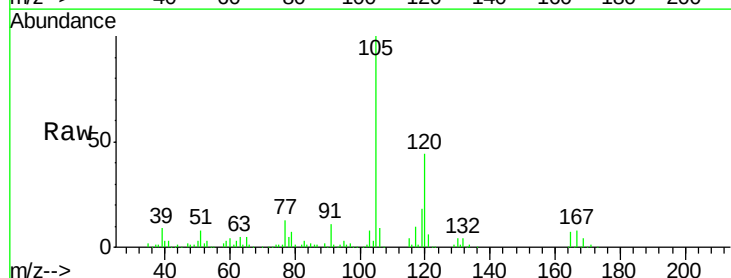
Manual Integrations
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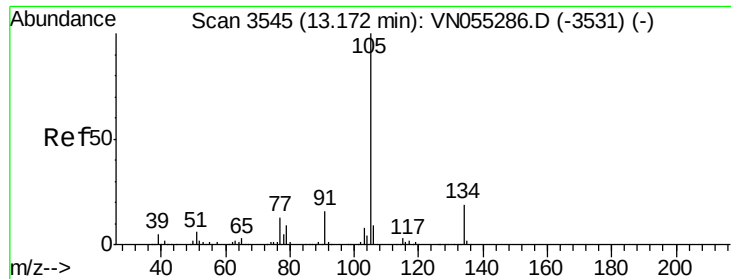
MMDadoda
 5/7/2019 1:22:38 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.393 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273297		
120	44.1	22.1	66.5	





#85

sec-Butylbenzene

Concen: 18.613 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

ClientSampleId :

VN0506WBSD01

Tot Ion:105 Resp: 318783

Ion Ratio Lower Upper

105 100

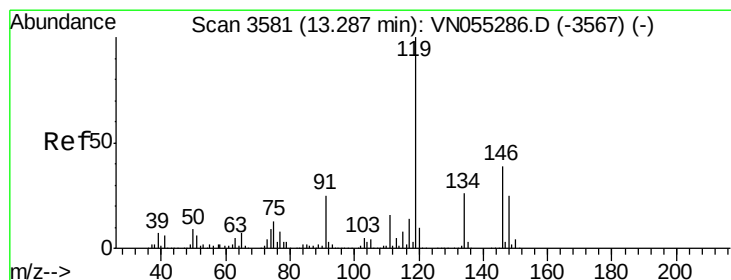
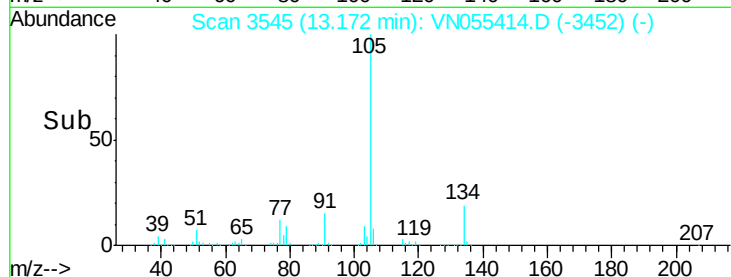
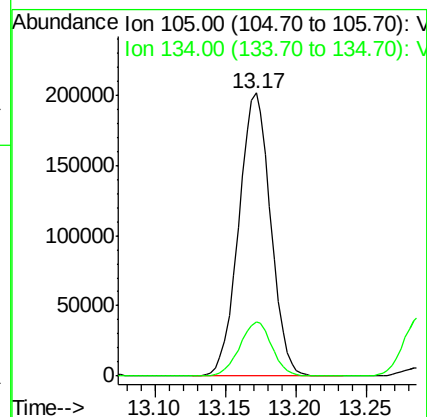
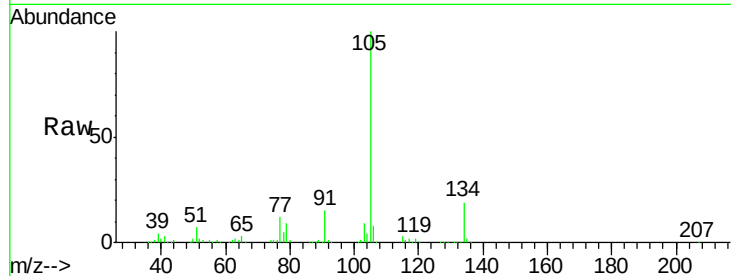
134 19.4 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.899 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

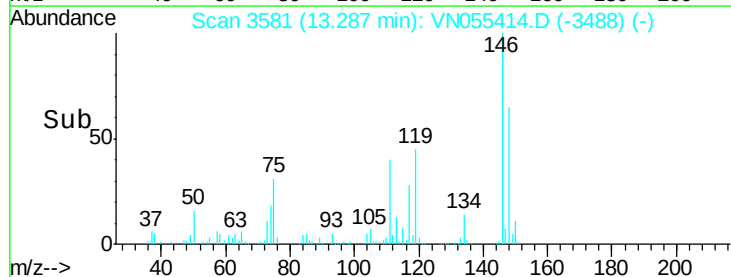
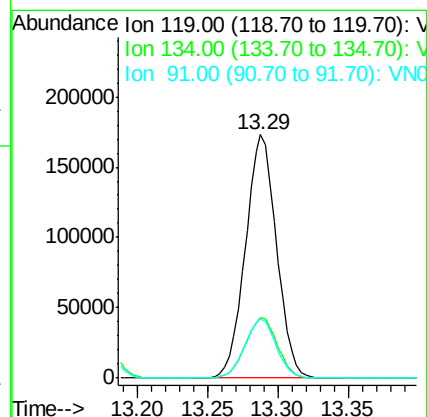
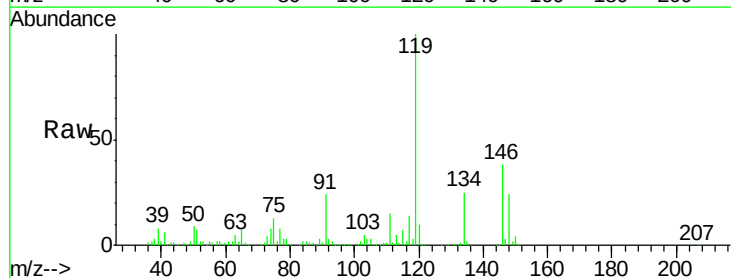
Tgt Ion:119 Resp: 266041

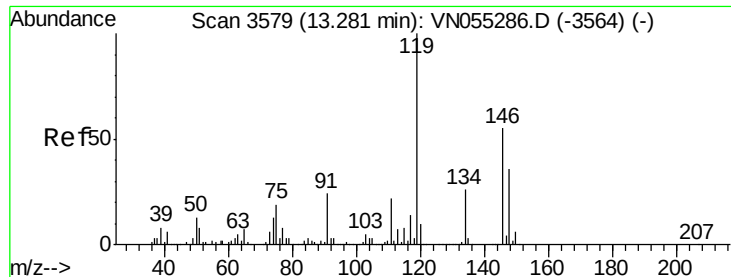
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 24.6 12.2 36.6





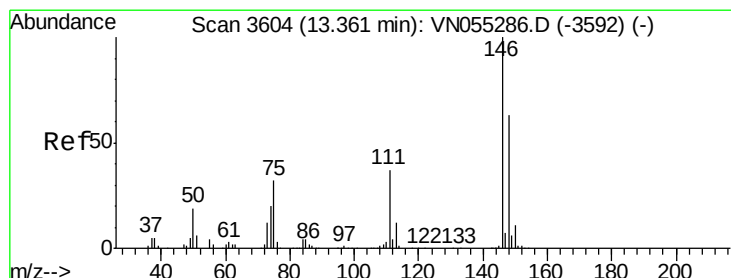
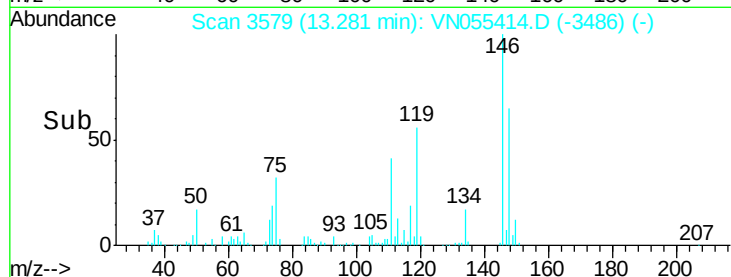
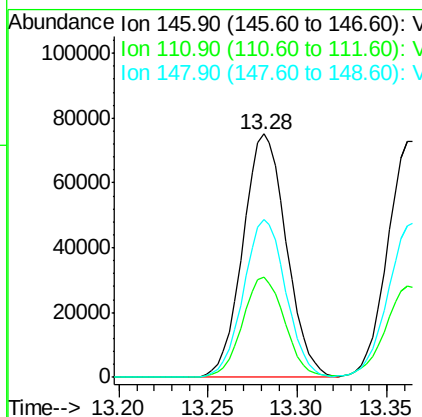
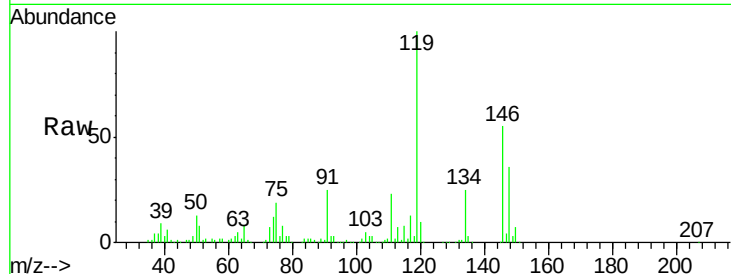
#87
 1,3-Dichlorobenzene
 Concen: 18.999 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	63.2	32.5	97.5

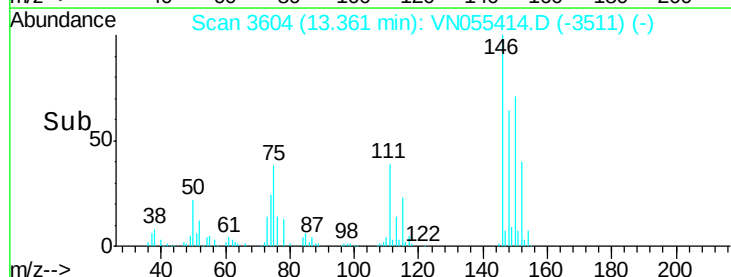
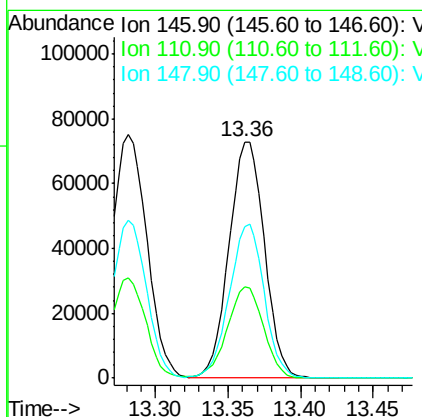
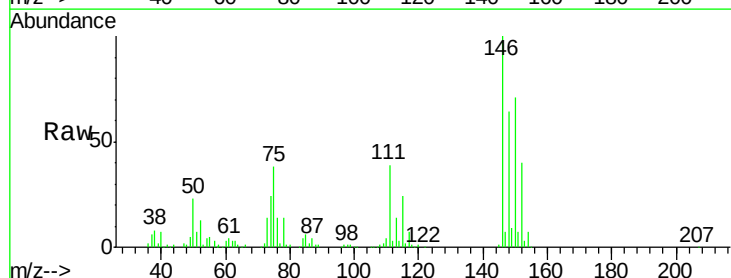
Manual Integrations
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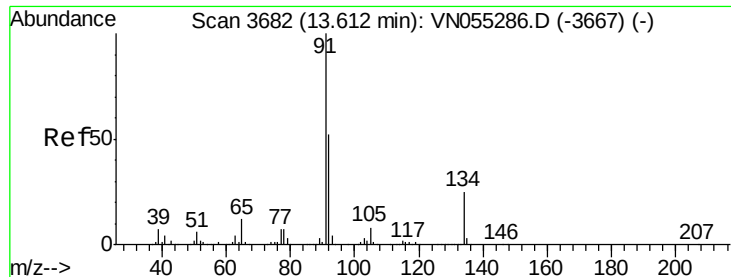
MMDadoda
 5/7/2019 1:22:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.579 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	64.1	32.5	97.4





#89

n-Butylbenzene

Concen: 17.932 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

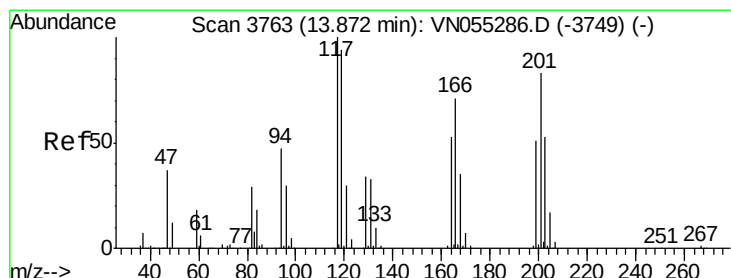
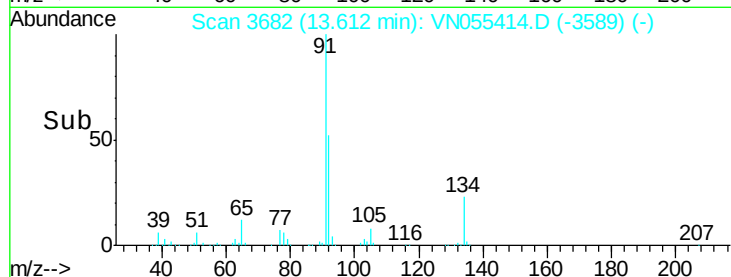
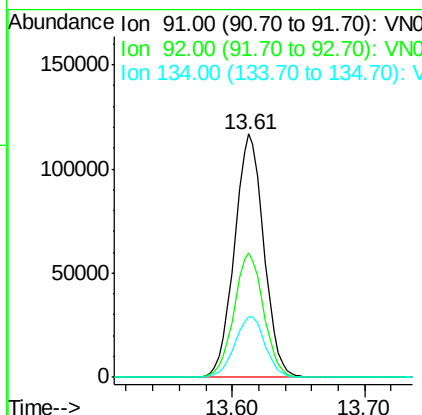
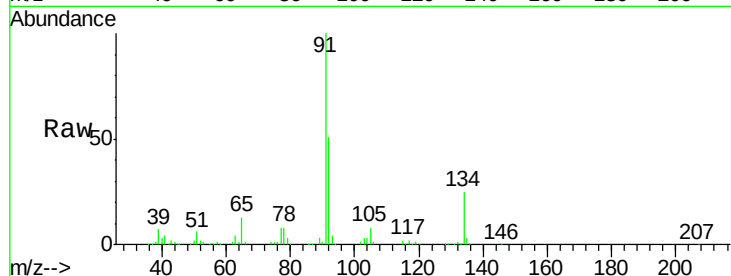
ClientSampleId :

VN0506WBSD01

Tot Ion:	91	Resp:	179369
Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	25.7	12.4	37.4

Manual Integrations
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#90

Hexachloroethane

Concen: 18.412 ug/l

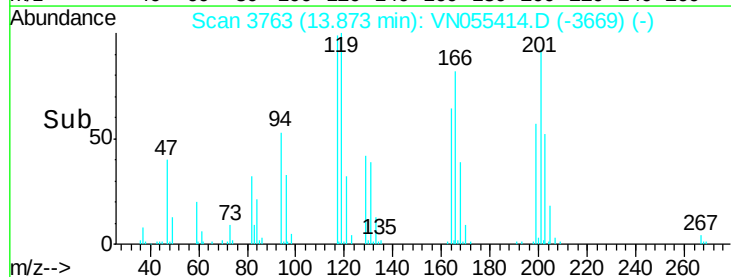
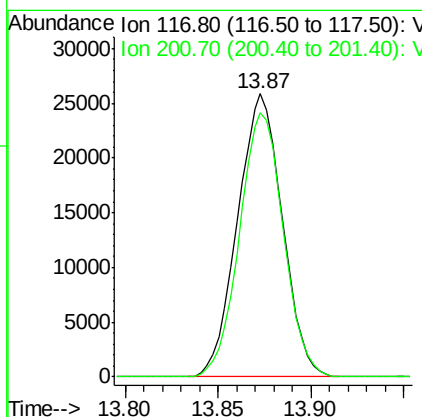
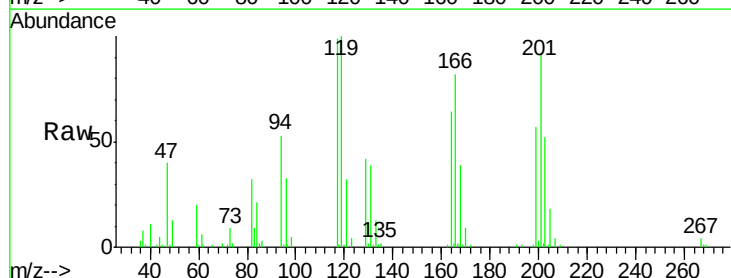
RT: 13.87 min Scan# 3763

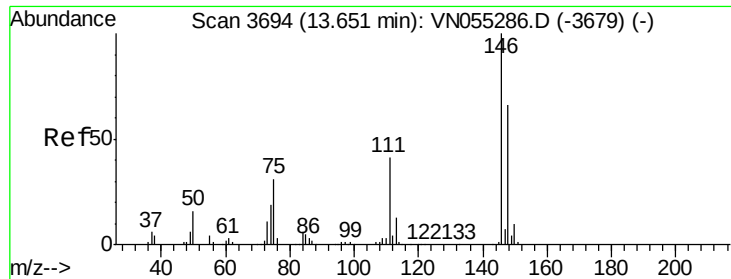
Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tgt Ion:	117	Resp:	43257
Ion	Ratio	Lower	Upper
117	100		
201	91.6	41.9	125.8





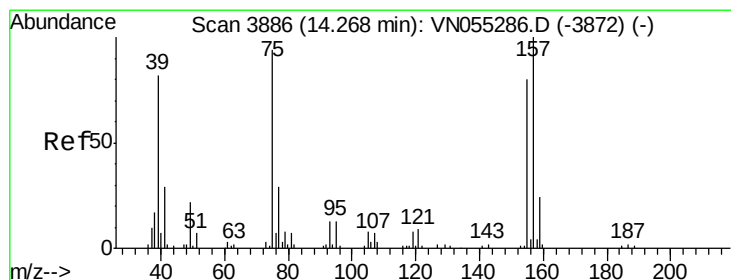
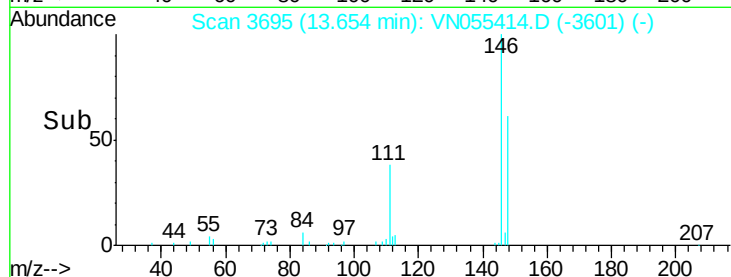
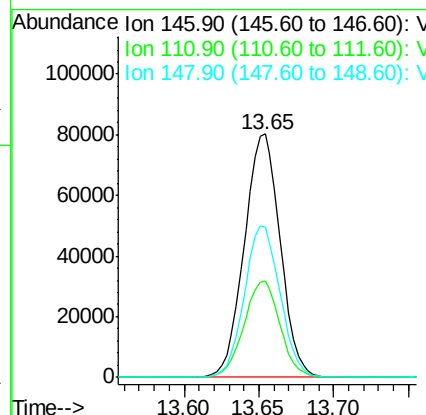
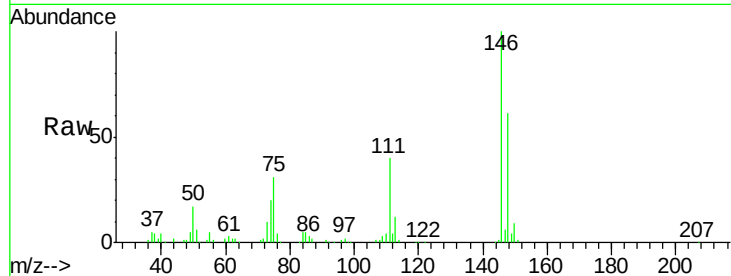
#91
 1,2-Dichlorobenzene
 Concen: 20.093 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0506WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	61.0
148	62.0	32.4	97.2

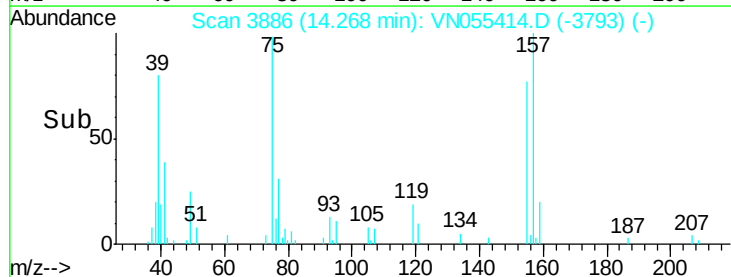
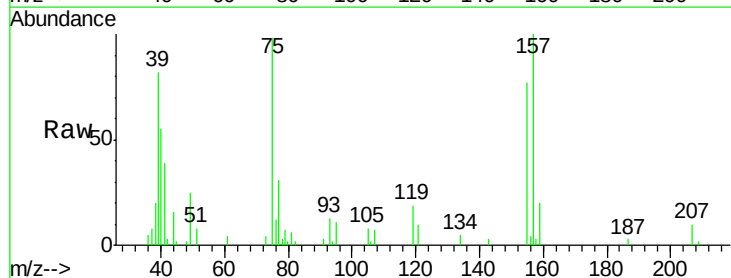
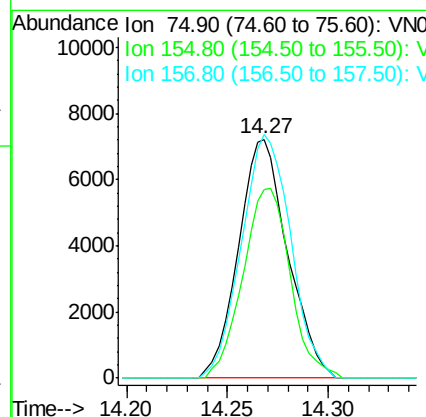
Manual Integrations
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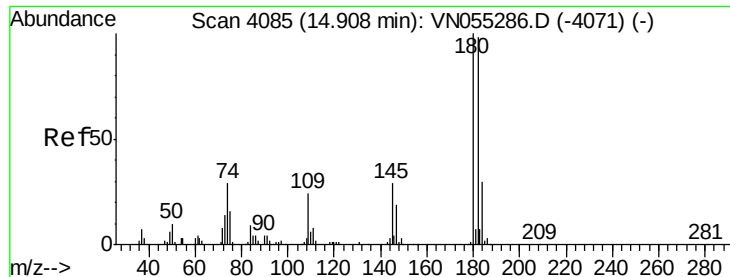
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.266 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.5	41.5	124.6
157	102.3	54.0	162.2





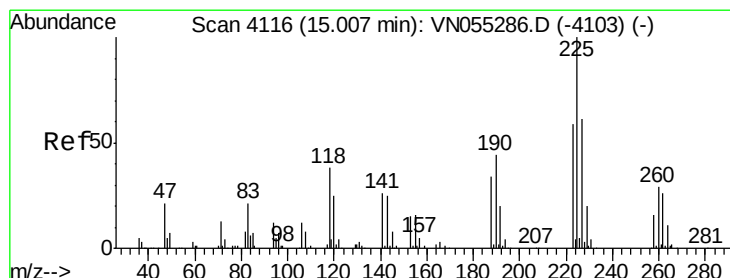
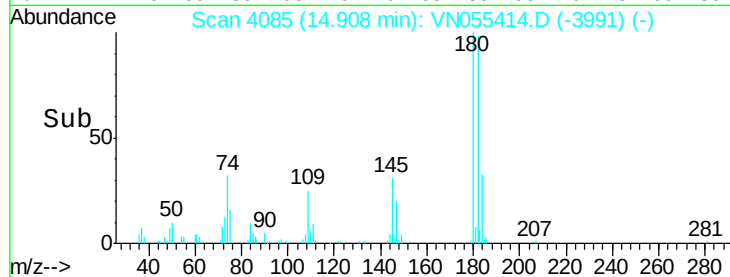
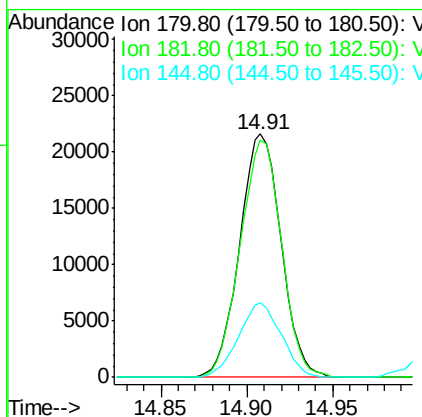
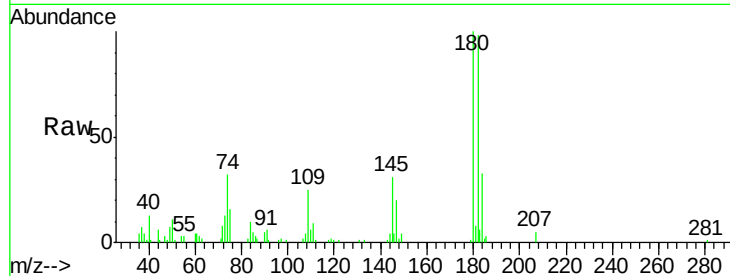
#93
 1,2,4-Trichlorobenzene
 Concen: 16.176 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Tot Ion:180	Resp:	36210
Ion Ratio	Lower	Upper
180 100		
182 96.9	48.3	144.9
145 31.4	14.2	42.6

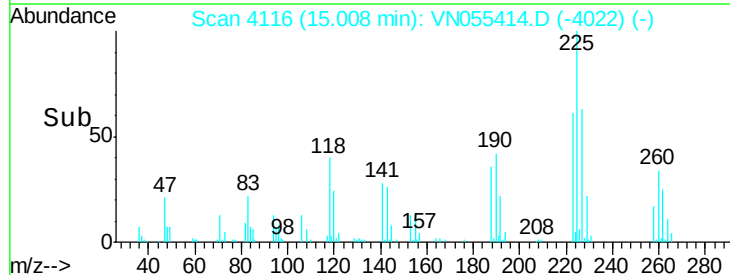
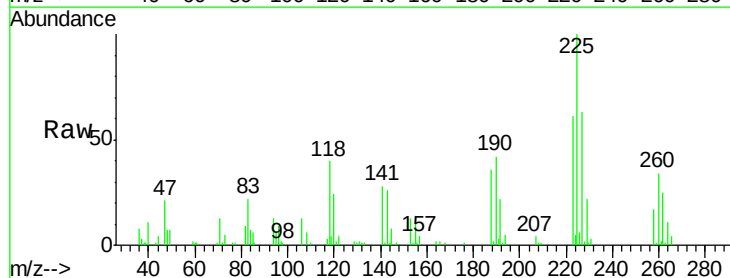
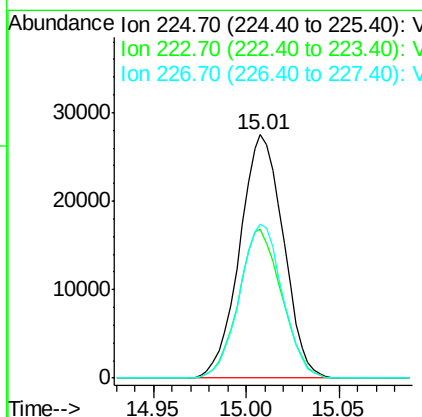
Manual Integrations
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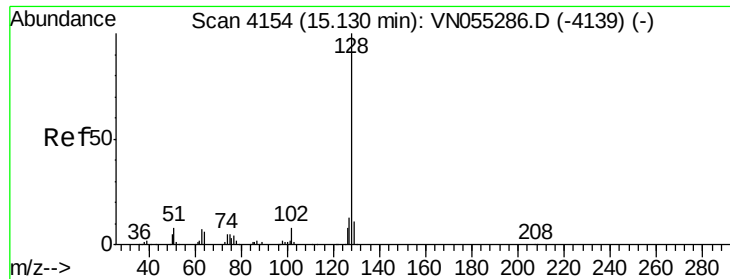
MMDadoda
 5/7/2019 1:22:38 PM



#94
 Hexachlorobutadiene
 Concen: 20.693 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055414.D
 Acq: 6 May 2019 13:14

Tgt Ion:225	Resp:	44800
Ion Ratio	Lower	Upper
225 100		
223 60.6	30.3	90.8
227 62.4	30.9	92.7





#95

Naphthalene

Concen: 16.826 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Instrument :

MSVOA_N

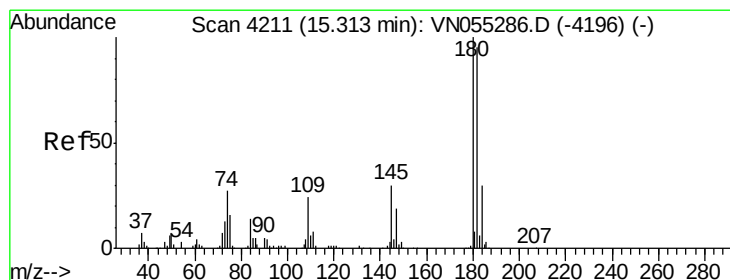
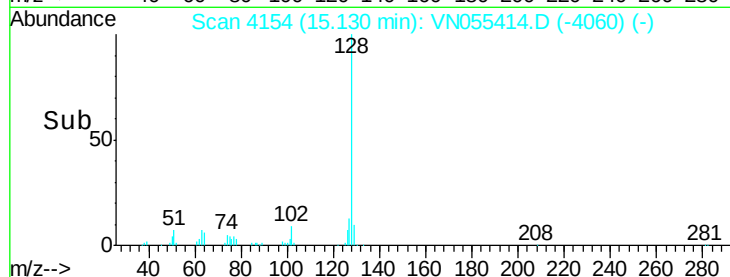
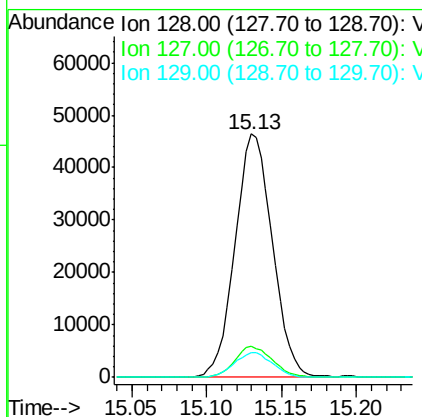
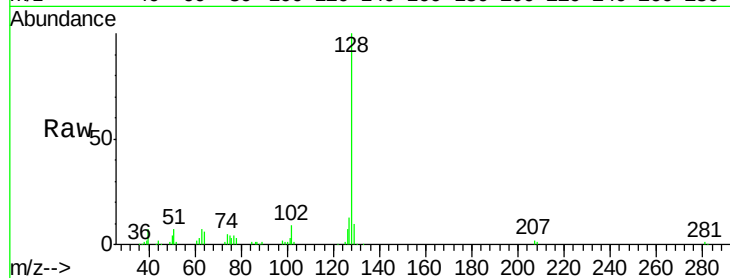
ClientSampleId :

VN0506WBSD01

Tot Ion:128	Resp:	80787
Ion Ratio	Lower	Upper
128	100	
127	12.7	10.7 16.1
129	10.4	8.6 13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.790 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055414.D

Acq: 6 May 2019 13:14

Tgt Ion:180	Resp:	41448
Ion Ratio	Lower	Upper
180	100	
182	99.6	48.3 144.9
145	33.3	15.2 45.6

