

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055458.D
 Acq On : 8 May 2019 00:44
 Operator : JC/SP
 Sample : VN0507MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:28 AM

Quant Time: May 08 08:13:09 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	333159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	564615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	469211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	241980	55.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.04%	
35) Dibromofluoromethane	7.59	113	183524	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	10.09	98	641657	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.40	95	213358	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	77354	18.950	ug/l	100
3) Chloromethane	2.06	50	87481	17.308	ug/l	99
4) Vinyl Chloride	2.19	62	75155	18.446	ug/l	100
5) Bromomethane	2.57	94	42124	19.519	ug/l	96
6) Chloroethane	2.71	64	41869	18.970	ug/l	100
7) Trichlorofluoromethane	3.02	101	114905	19.833	ug/l	96
8) Diethyl Ether	3.42	74	46944	23.160	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	68570	19.876	ug/l	99
10) Methyl Iodide	3.96	142	91934	18.935	ug/l	99
11) Tert butyl alcohol	4.80	59	36937	148.023	ug/l	98
12) 1,1-Dichloroethene	3.74	96	65593	19.931	ug/l	98
13) Acrolein	3.61	56	11033	56.615	ug/l	92
14) Allyl chloride	4.33	41	139683	20.493	ug/l	99
15) Acrylonitrile	5.00	53	180627	128.779	ug/l	99
16) Acetone	3.82	43	141171	103.952	ug/l	100
17) Carbon Disulfide	4.06	76	127637	14.861	ug/l	100
18) Methyl Acetate	4.33	43	97040	28.896	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	224963	24.315	ug/l	99
20) Methylene Chloride	4.55	84	82534	19.911	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	66654	19.123	ug/l	97
22) Diisopropyl ether	5.96	45	316499	23.370	ug/l	98
23) Vinyl Acetate	5.90	43	1051402	118.454	ug/l	99
24) 1,1-Dichloroethane	5.86	63	157997	21.896	ug/l	100
25) 2-Butanone	6.84	43	225930	130.087	ug/l	97
26) 2,2-Dichloropropane	6.83	77	78742	15.803	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	85840	21.657	ug/l	98
28) Bromochloromethane	7.20	49	80610	22.162	ug/l	97
29) Tetrahydrofuran	7.22	42	156870	141.058	ug/l	97
30) Chloroform	7.37	83	149351	21.834	ug/l	94
31) Cyclohexane	7.66	56	132767	19.366	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	117747	21.210	ug/l	99
36) 1,1-Dichloropropene	7.80	75	98646	18.240	ug/l	100
37) Ethyl Acetate	6.94	43	93524	22.564	ug/l	99
38) Carbon Tetrachloride	7.78	117	93534	17.929	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	105621	18.369	ug/l	97
40) Benzene	8.04	78	315692	19.802	ug/l	99
41) Methacrylonitrile	7.18	41	48182	21.901	ug/l	90
42) 1,2-Dichloroethane	8.13	62	119219	21.113	ug/l	99
43) Isopropyl Acetate	8.17	43	165969	24.916	ug/l #	87
44) Trichloroethene	8.84	130	77556	19.082	ug/l	100
45) 1,2-Dichloropropane	9.12	63	95493	20.768	ug/l	100
46) Dibromomethane	9.21	93	52653	20.949	ug/l	98
47) Bromodichloromethane	9.40	83	108163	20.060	ug/l	97
48) Methyl methacrylate	9.20	41	78488	23.969	ug/l	96
49) 1,4-Dioxane	9.21	88	17664	521.822	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	481899	128.497	ug/l	98
52) Toluene	10.16	92	179632	19.637	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	90942	19.429	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	112349	19.251	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	76521	22.527	ug/l	97
56) Ethyl methacrylate	10.43	69	97775	23.386	ug/l	98
57) 1,3-Dichloropropane	10.71	76	131294	22.033	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	86873	76.034	ug/l	98
59) 2-Hexanone	10.75	43	303871	129.500	ug/l	99
60) Dibromochloromethane	10.90	129	71623	20.630	ug/l	100
61) 1,2-Dibromoethane	11.01	107	67119	21.378	ug/l	100
64) Tetrachloroethene	10.63	164	81783	21.314	ug/l	98
65) Chlorobenzene	11.43	112	185389	20.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	70989	19.762	ug/l	98
67) Ethyl Benzene	11.51	91	338277	20.420	ug/l	98
68) m/p-Xylenes	11.62	106	246333	41.659	ug/l	98
69) o-Xylene	11.95	106	122815	20.955	ug/l	99
70) Styrene	11.97	104	194950	21.664	ug/l	98
71) Bromoform	12.13	173	43799	21.974	ug/l #	99
73) Isopropylbenzene	12.25	105	331606	21.840	ug/l	99
74) N-amyl acetate	12.07	43	104815	23.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93099	25.045	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	78354m	22.508	ug/l	
77) Bromobenzene	12.53	156	76950	21.610	ug/l	96
78) n-propylbenzene	12.59	91	352878	19.471	ug/l	99
79) 2-Chlorotoluene	12.67	91	224101	21.943	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	278590	20.141	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18167	19.513	ug/l	89
82) 4-Chlorotoluene	12.77	91	210243	19.952	ug/l	99
83) tert-Butylbenzene	12.99	119	241797	23.134	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	256544	20.739	ug/l	99
85) sec-Butylbenzene	13.17	105	311176	20.698	ug/l	100
86) p-Isopropyltoluene	13.29	119	254427	20.591	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	118778	20.119	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	113702	20.450	ug/l	99
89) n-Butylbenzene	13.62	91	176718	20.127	ug/l	99
90) Hexachloroethane	13.87	117	42131	20.608	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	124888	21.343	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12687	27.333	ug/l	92

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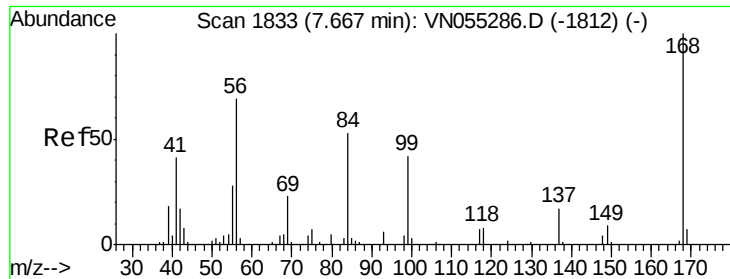
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37843	18.629	ug/l	99
94) Hexachlorobutadiene	15.01	225	42599	22.663	ug/l	96
95) Naphthalene	15.13	128	80741	18.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43598	20.801	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBS01

Tot Ion:168 Resp: 333159

Ion Ratio Lower Upper

168 100

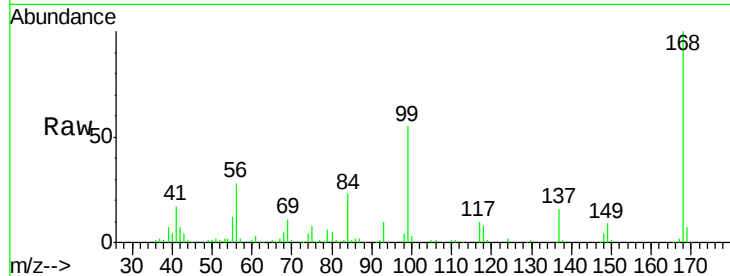
99 54.1 43.6 65.4

Manual Integrations

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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

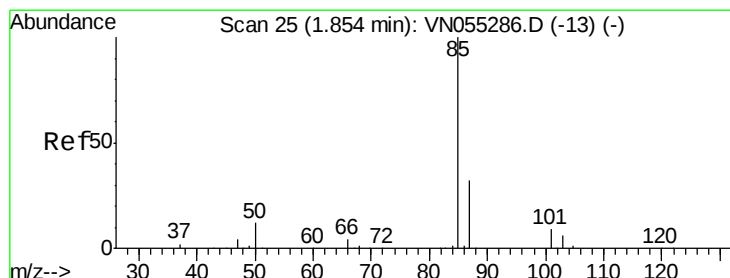
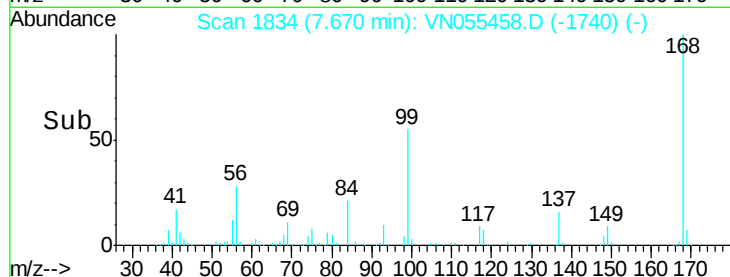
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.950 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055458.D

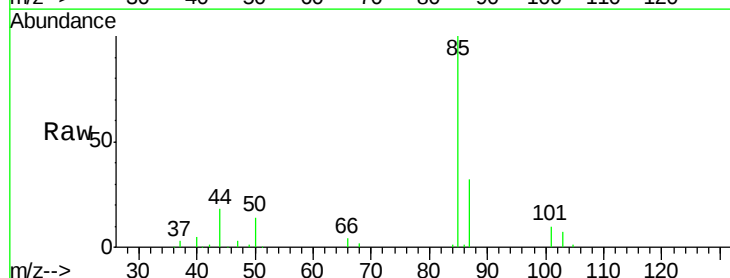
Acq: 8 May 2019 00:44

Tgt Ion: 85 Resp: 77354

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

50000

40000

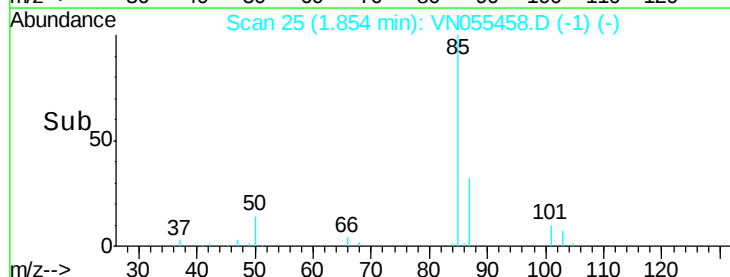
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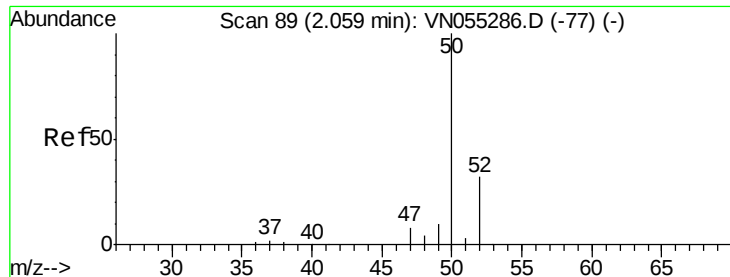
20000

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Time-->





#3

Chloromethane

Concen: 17.308 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tot Ion: 50 Resp: 87481

Ion Ratio Lower Upper

50 100

52 32.8 25.7 38.5

Instrument :

MSVOA_N

ClientSampled :

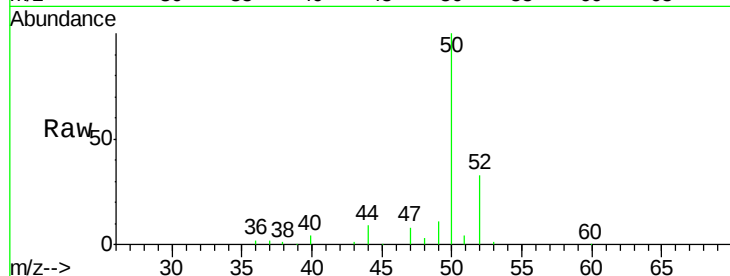
VN0507MBSD01

Manual Integrations

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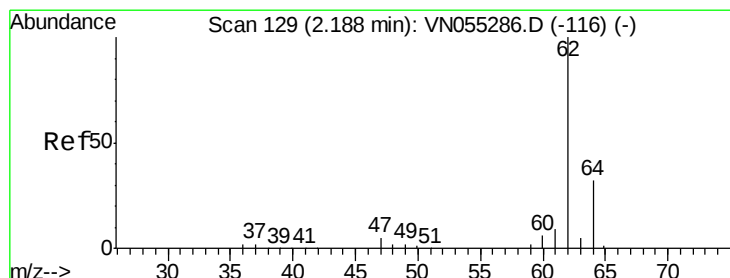
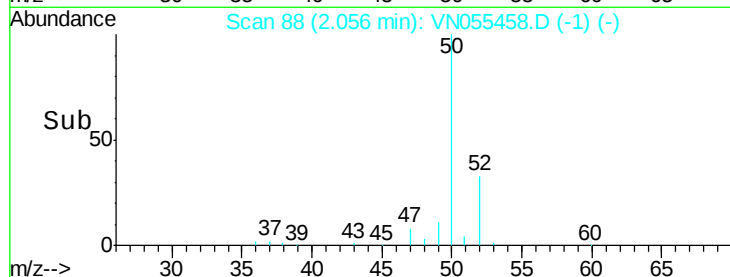
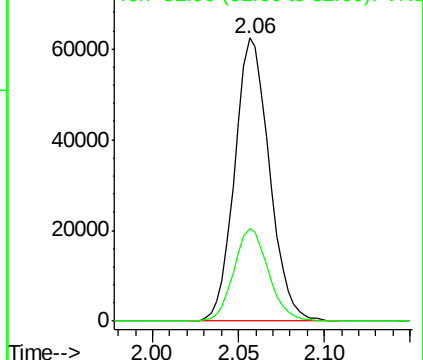
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.446 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055458.D

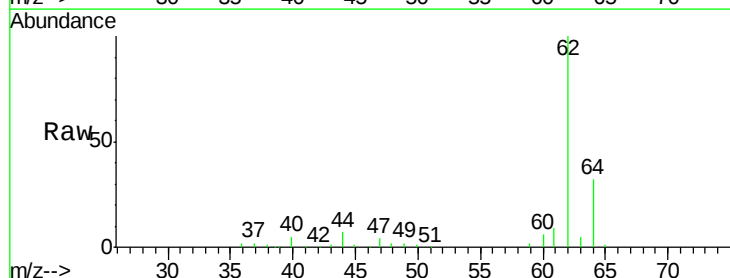
Acq: 8 May 2019 00:44

Tgt Ion: 62 Resp: 75155

Ion Ratio Lower Upper

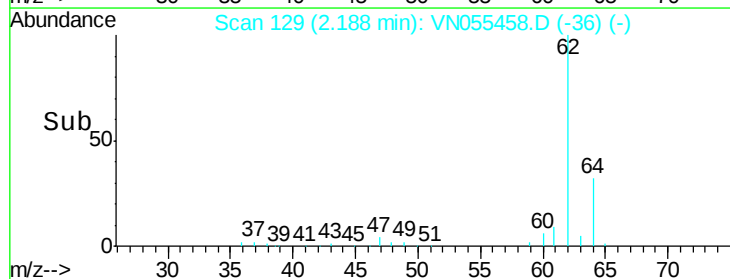
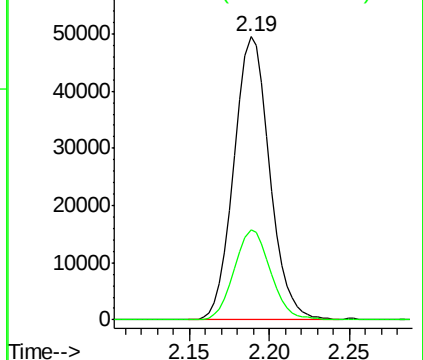
62 100

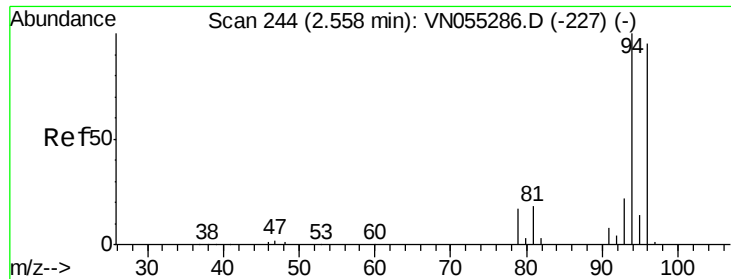
64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.519 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion: 94 Resp: 42124

Ion Ratio Lower Upper

94 100

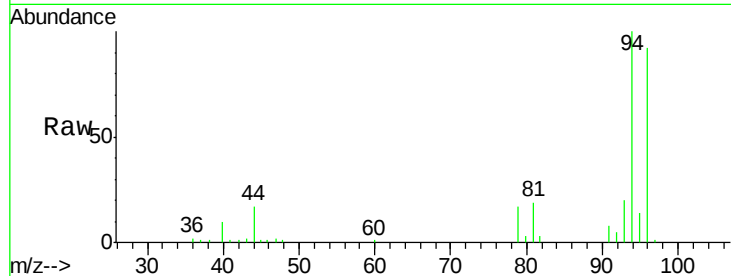
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Manual Integrations

APPROVED

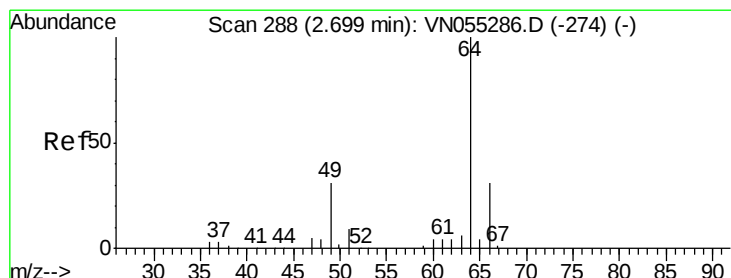
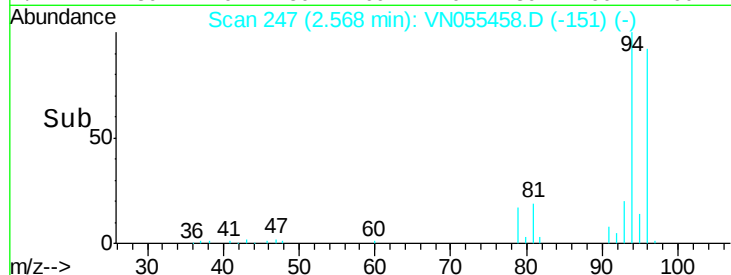
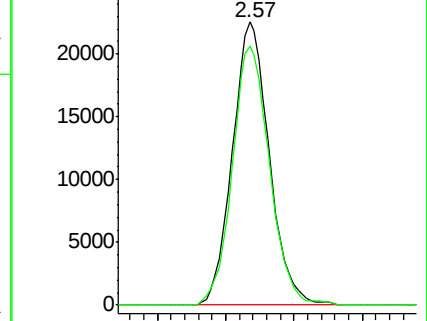
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.970 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055458.D

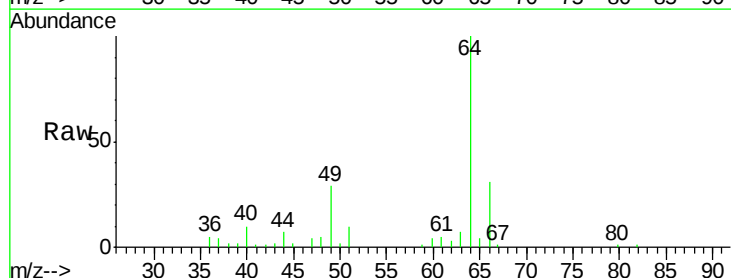
Acq: 8 May 2019 00:44

Tgt Ion: 64 Resp: 41869

Ion Ratio Lower Upper

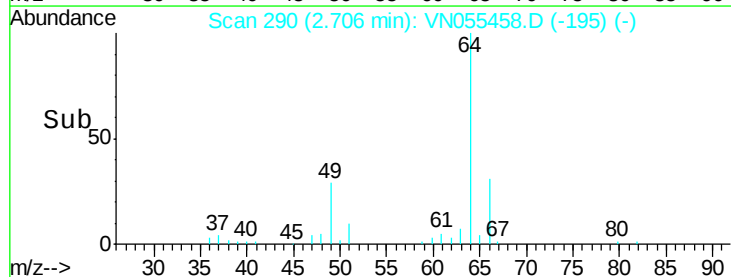
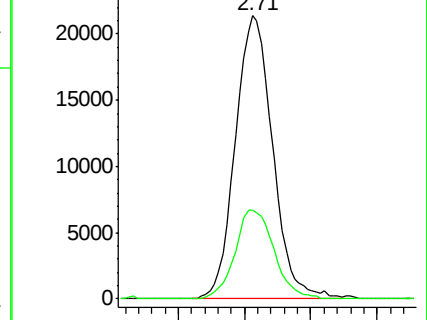
64 100

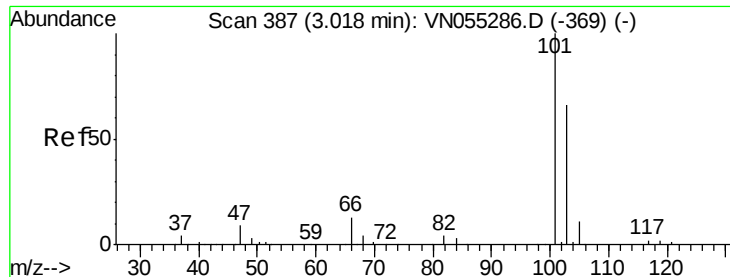
66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

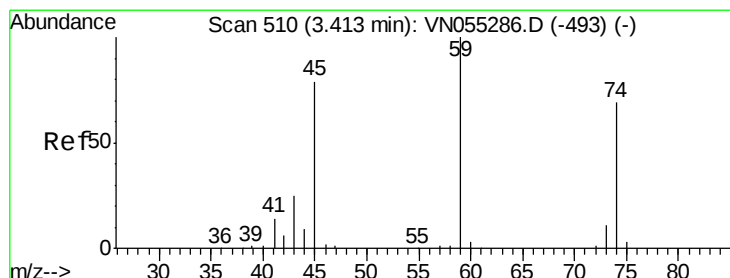
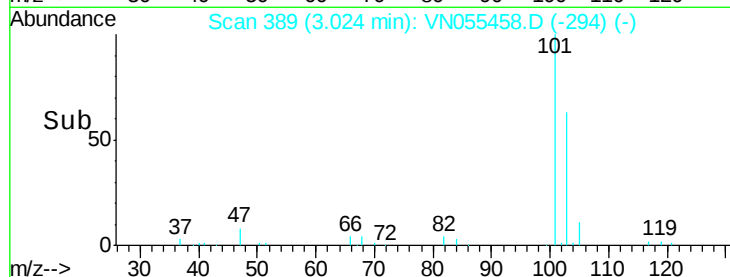
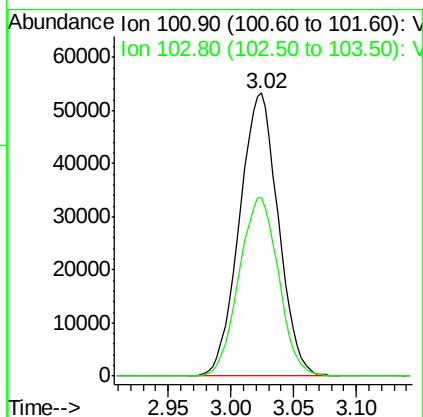
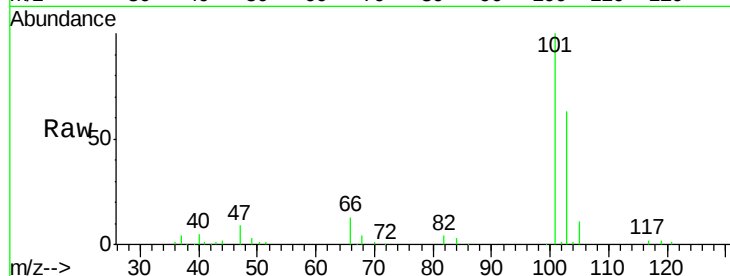
Trichlorofluoromethane
 Concen: 19.833 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Instrument :
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 ClientSampleId :
 VN0507MBSD01

Tot Ion:101 Resp: 114905
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.6 79.0

Manual Integrations
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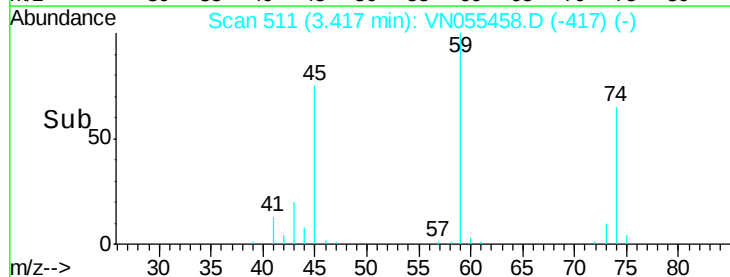
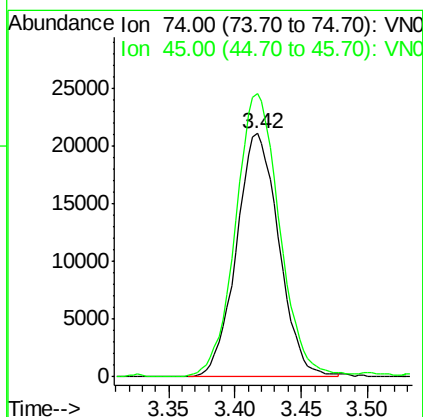
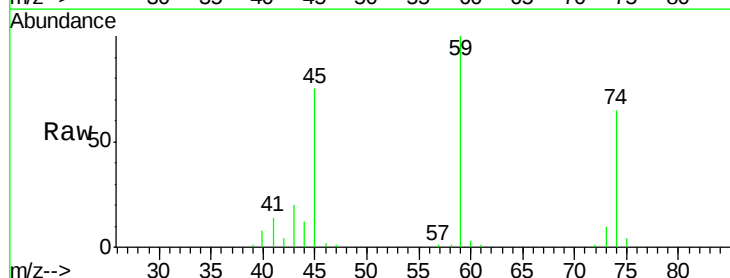
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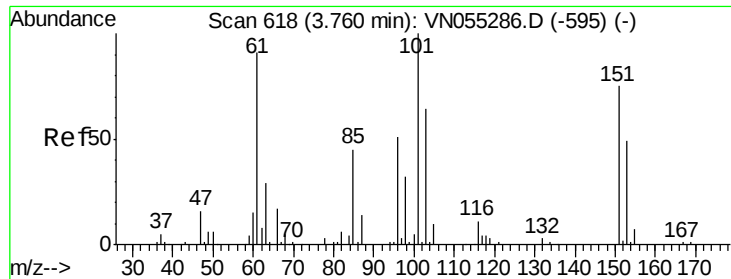


#8

Diethyl Ether
 Concen: 23.160 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion: 74 Resp: 46944
 Ion Ratio Lower Upper
 74 100
 45 120.9 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.876 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

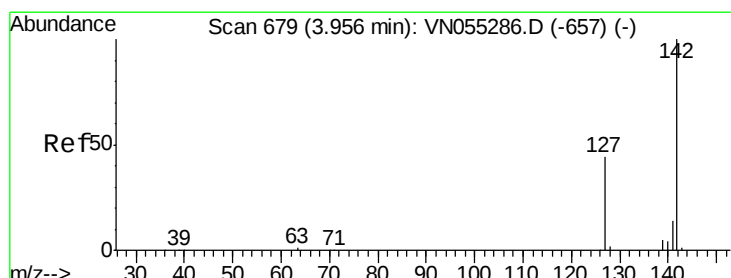
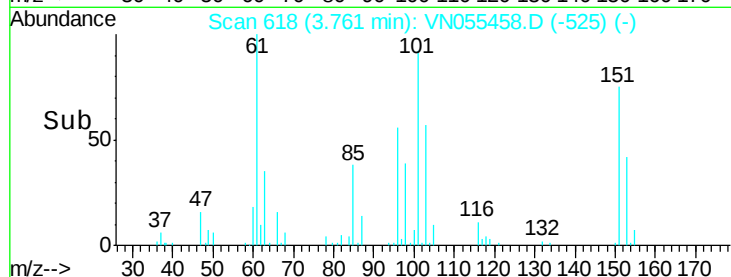
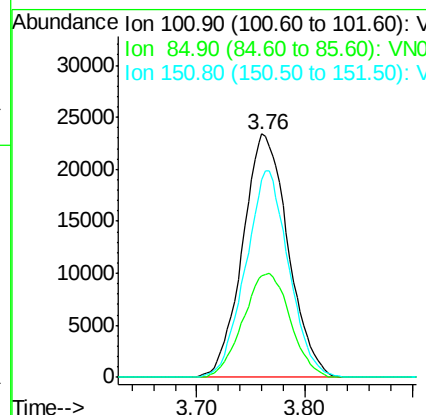
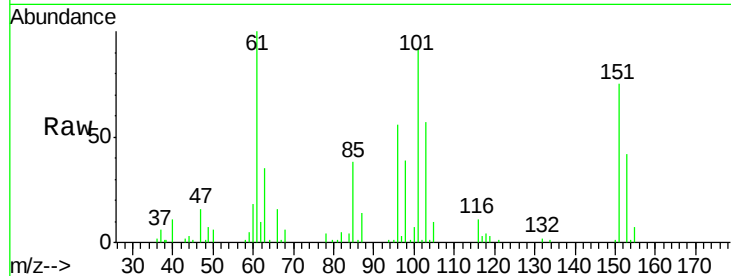
ClientSampleId :

VN0507MBSD01

Tot Ion:	101	Resp:	68570
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.7	53.5
151	80.3	63.3	94.9

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#10

Methyl Iodide

Concen: 18.935 ug/l

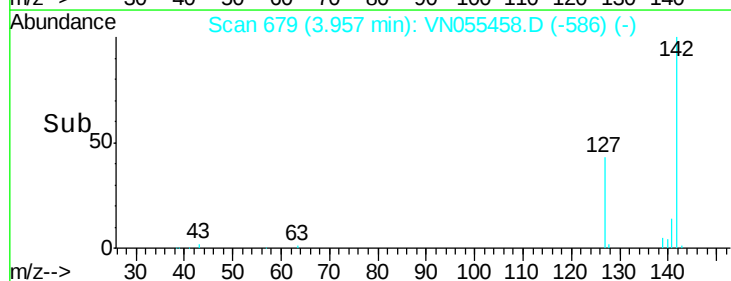
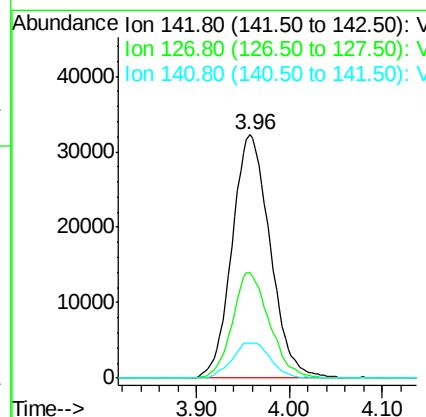
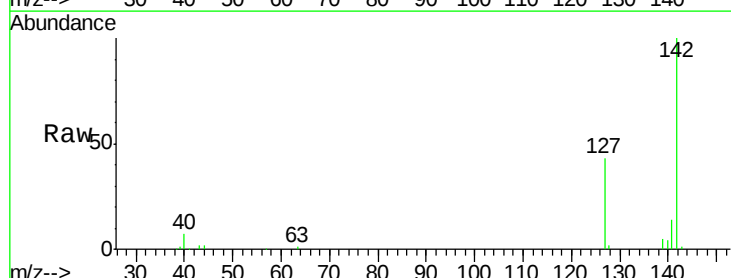
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion:	142	Resp:	91934
Ion Ratio	Lower	Upper	
142	100		
127	42.0	34.4	51.6
141	14.5	11.5	17.3





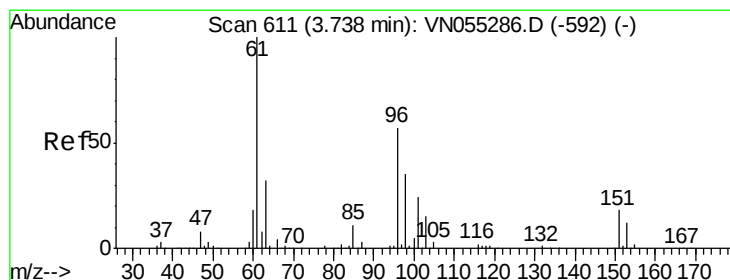
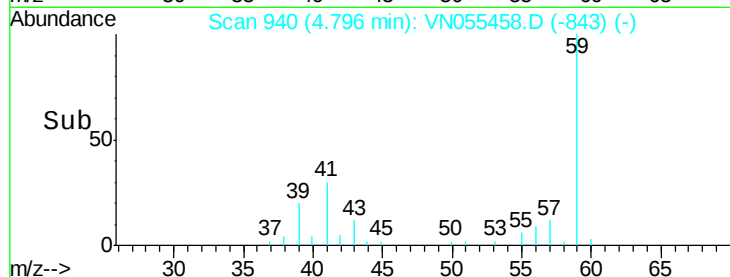
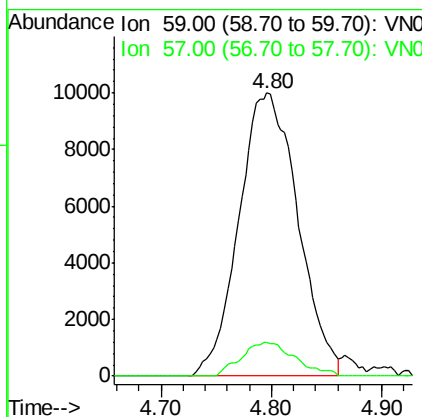
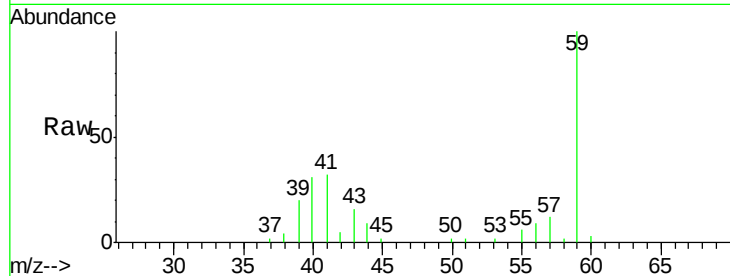
#11
Tert butyl alcohol
Concen: 148.023 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

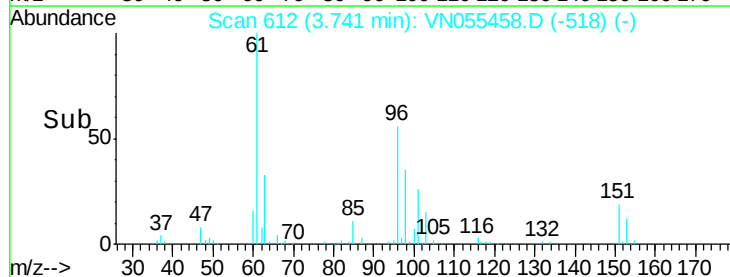
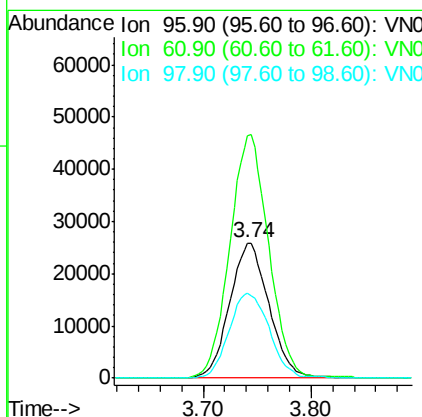
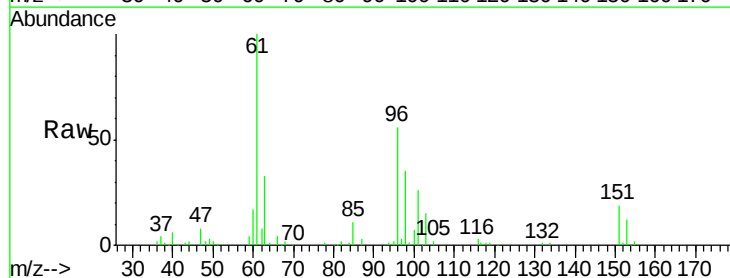
Manual Integrations
APPROVED

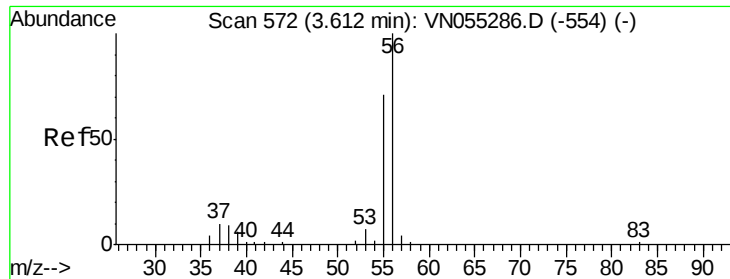
MMDadoda
5/8/2019 10:16:28 AM



#12
1,1-Dichloroethene
Concen: 19.931 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.2	140.9	211.3
98	62.5	50.0	75.0





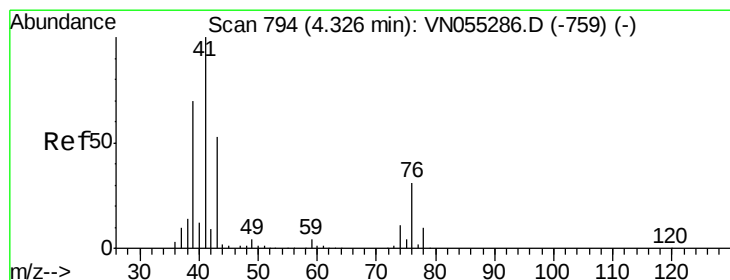
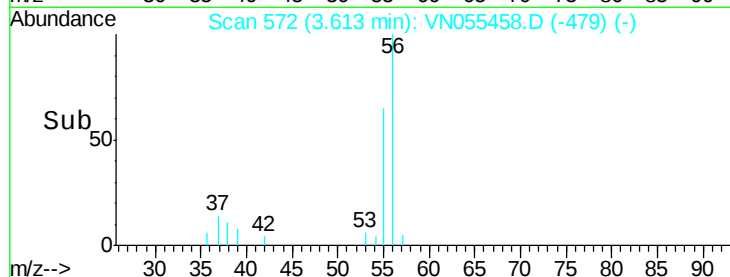
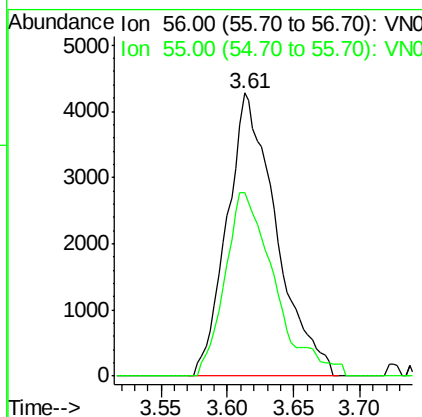
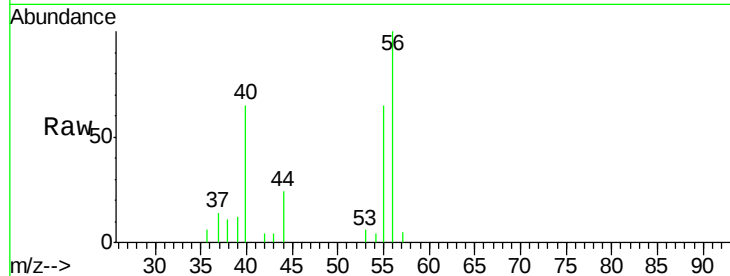
#13
Acrolein
Concen: 56.615 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	56	Resp	11033
Ion Ratio	100	Lower	Upper
55	65.3	57.4	86.2

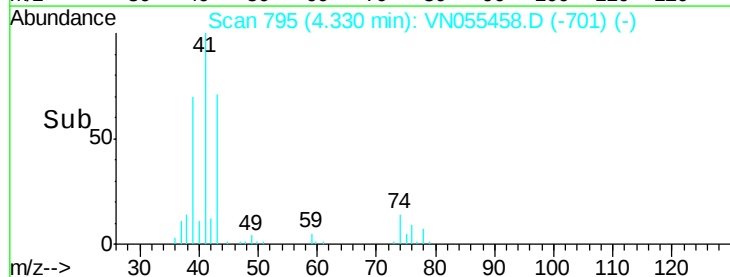
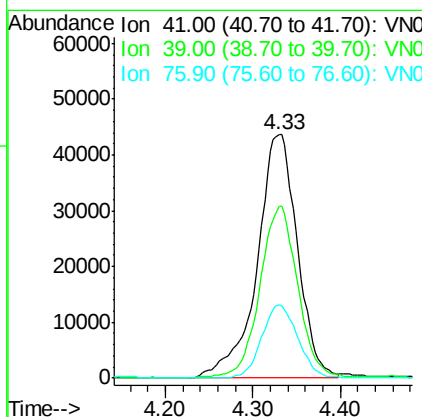
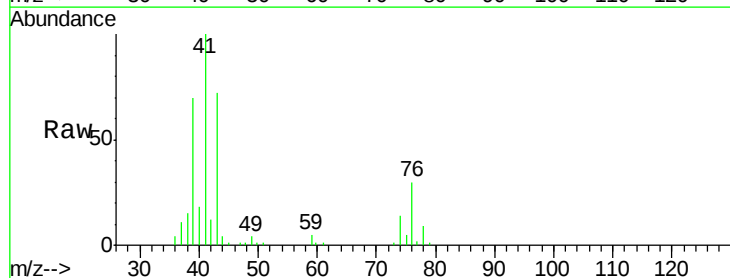
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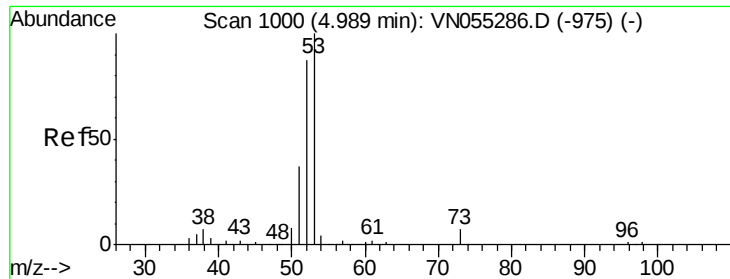
MMDadoda
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#14
Allyl chloride
Concen: 20.493 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	41	Resp	139683
Ion Ratio	100	Lower	Upper
39	66.4	53.0	79.6
76	26.7	22.7	34.1





#15

Acrylonitrile

Concen: 128.779 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

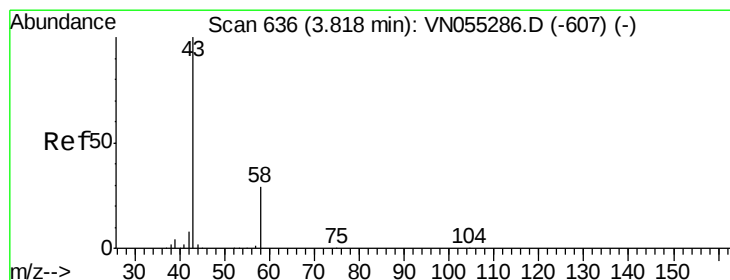
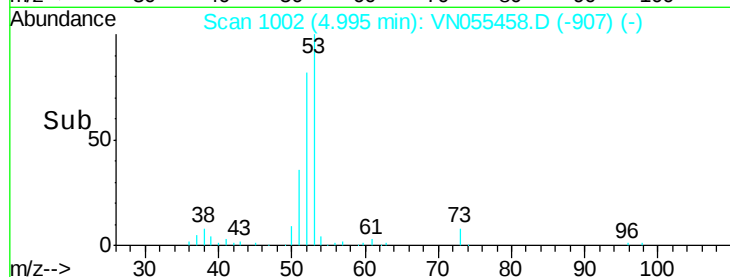
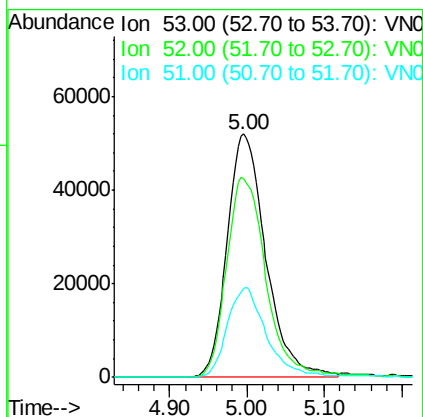
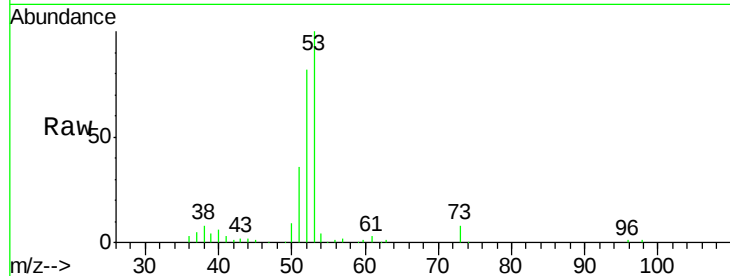
ClientSampled :

VN0507MBSD01

Tot Ion:	53	Resp:	180627
Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.5	99.7
51	37.1	29.6	44.4

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#16

Acetone

Concen: 103.952 ug/l

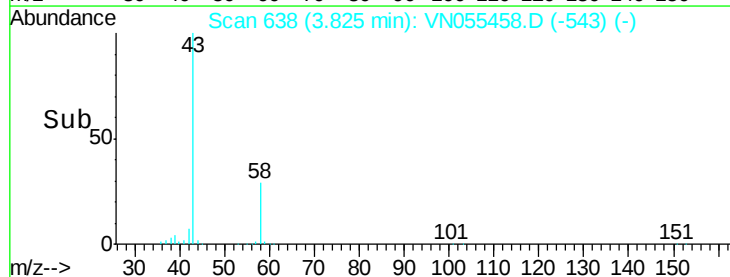
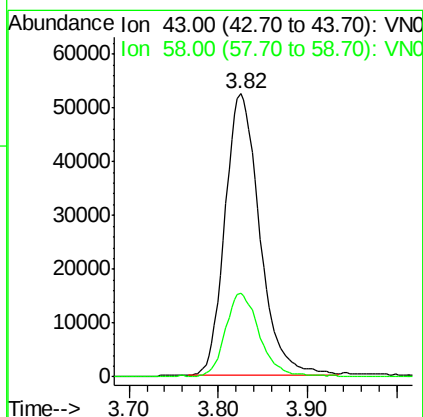
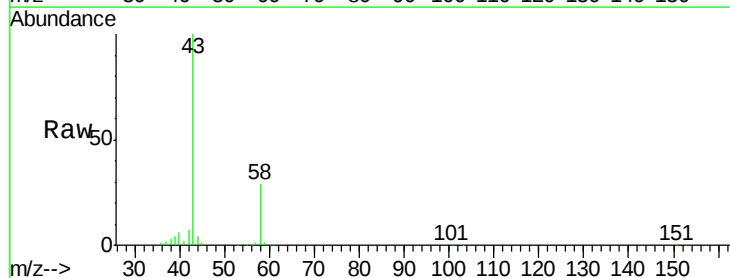
RT: 3.82 min Scan# 638

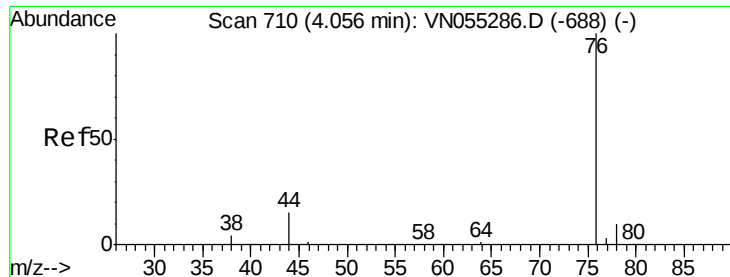
Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion:	43	Resp:	141171
Ion	Ratio	Lower	Upper
43	100		
58	29.3	23.6	35.4





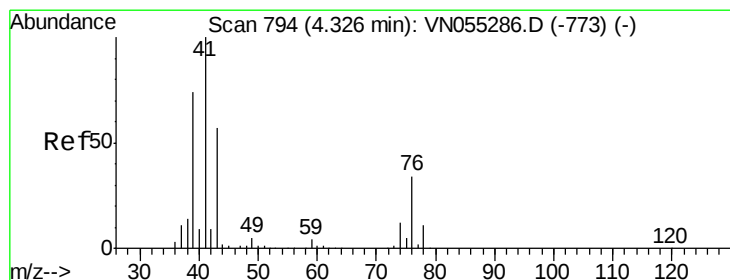
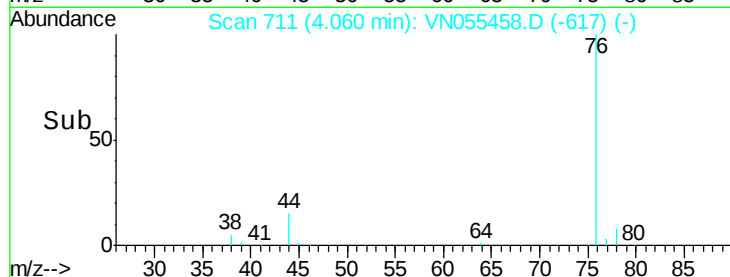
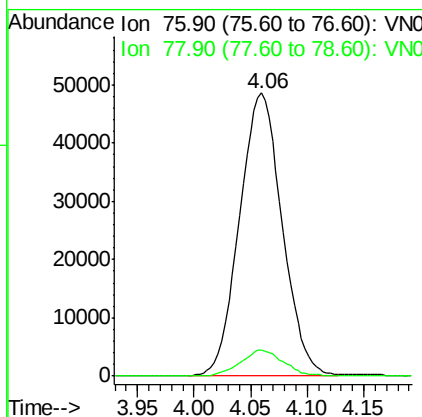
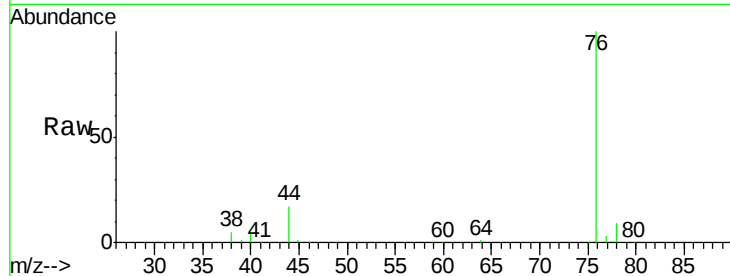
#17
Carbon Disulfide
Concen: 14.861 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.6	11.4

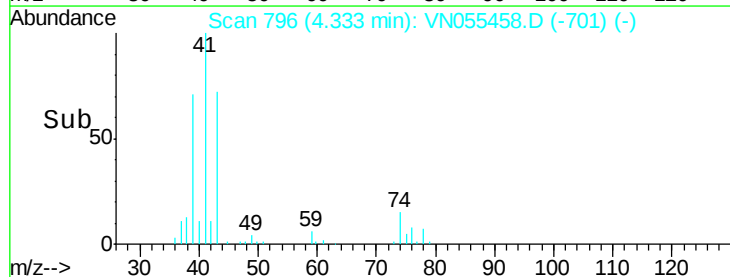
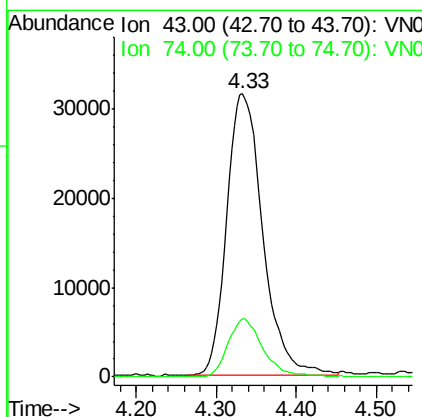
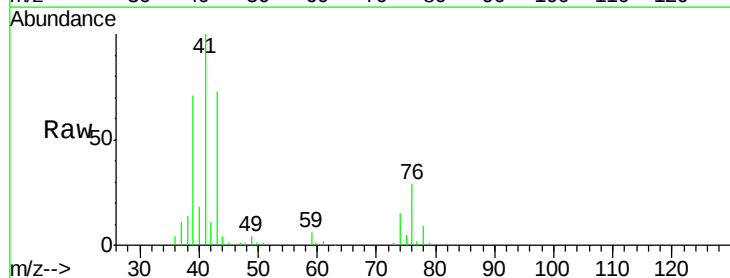
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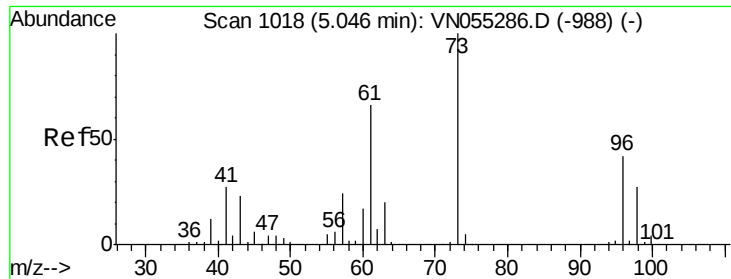
MMDadoda
5/8/2019 10:16:28 AM



#18
Methyl Acetate
Concen: 28.896 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	15.8	23.8





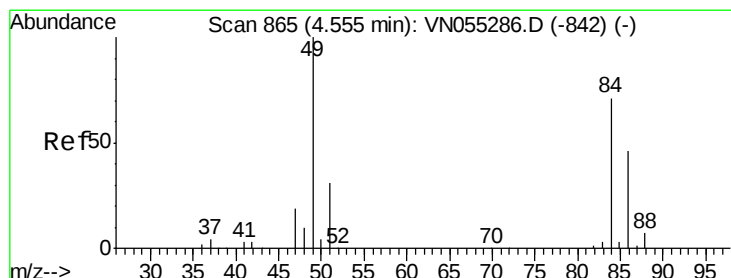
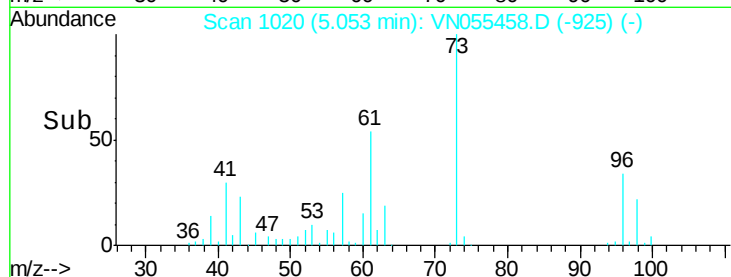
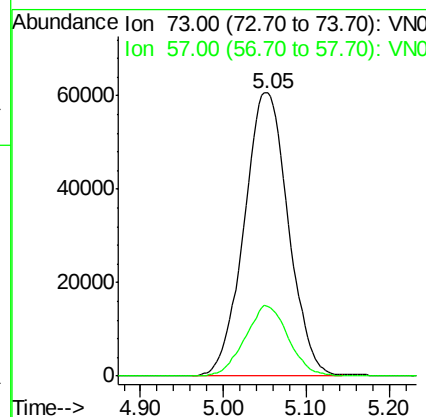
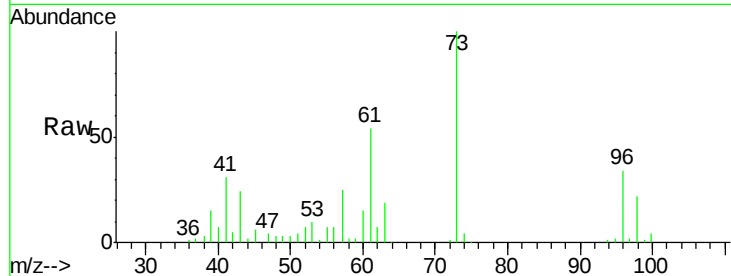
#19
Methvl tert-butvl Ether
Concen: 24.315 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion: 73 Resp: 224963
Ion Ratio Lower Upper
73 100
57 24.5 19.1 28.7

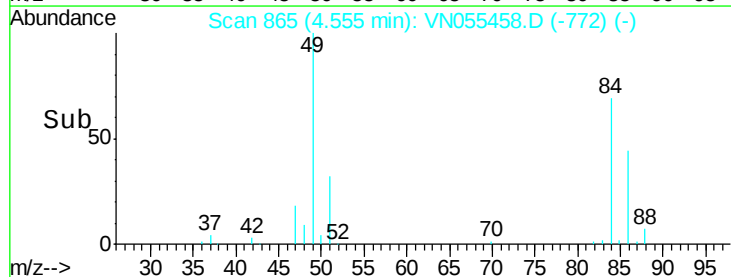
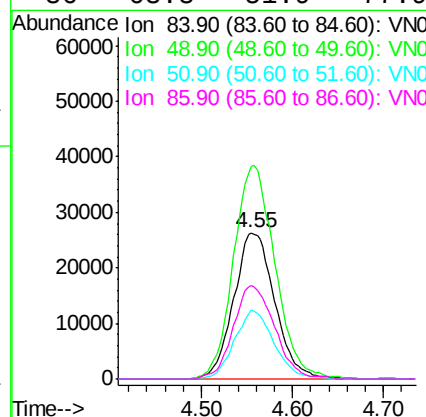
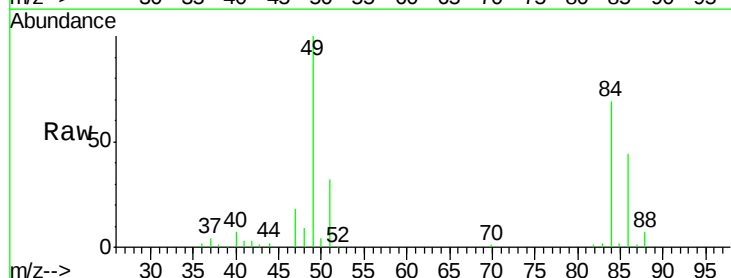
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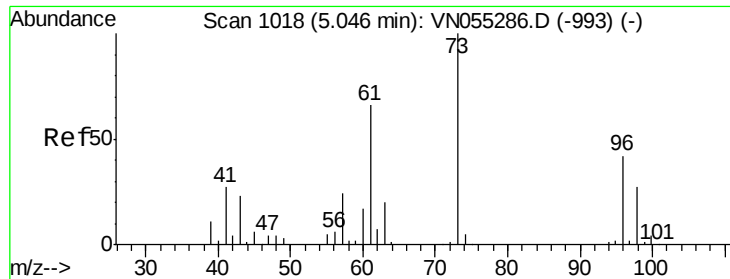
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#20
Methylene Chloride
Concen: 19.911 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 84 Resp: 82534
Ion Ratio Lower Upper
84 100
49 145.0 112.4 168.6
51 47.0 34.6 51.8
86 63.8 51.9 77.9





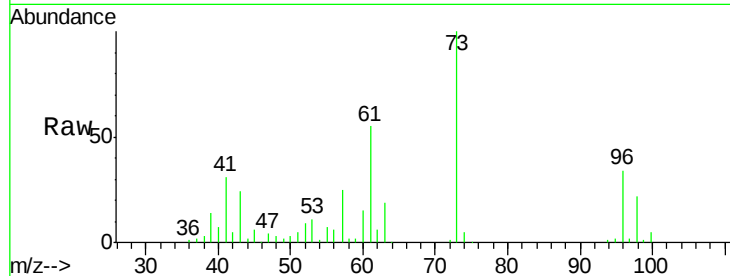
#21
trans-1,2-Dichloroethene
Concen: 19.123 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.5	126.2	189.4
98	64.5	52.2	78.2

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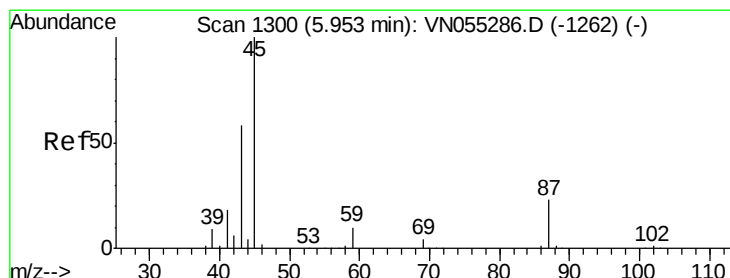
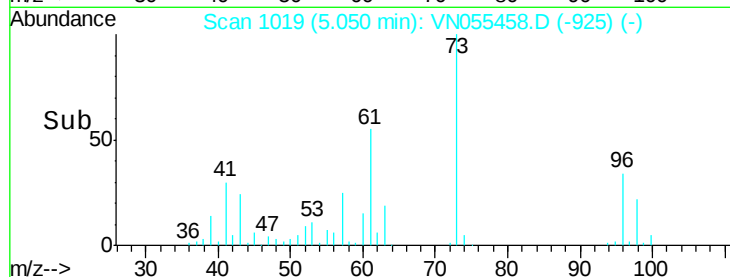
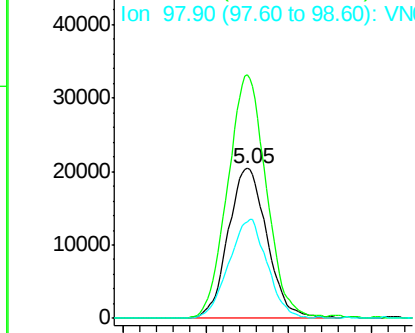


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 23.370 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.6	46.6	70.0
87	22.1	18.1	27.1
59	9.7	8.2	12.2

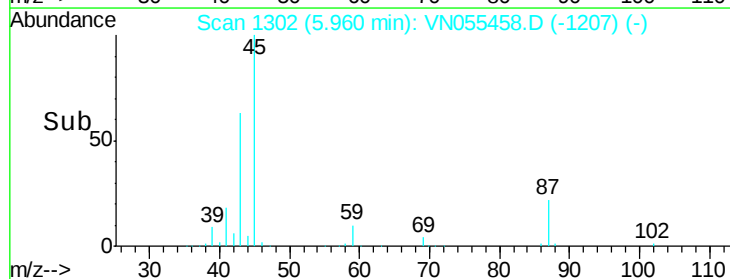
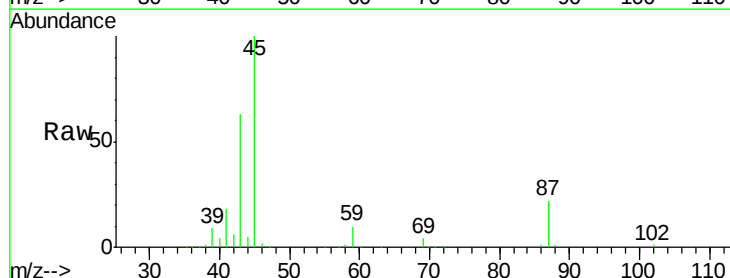
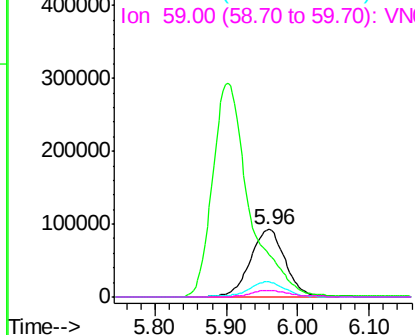
Abundance

Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 118.454 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion: 43 Resp: 1051402

Ion Ratio Lower Upper

43 100

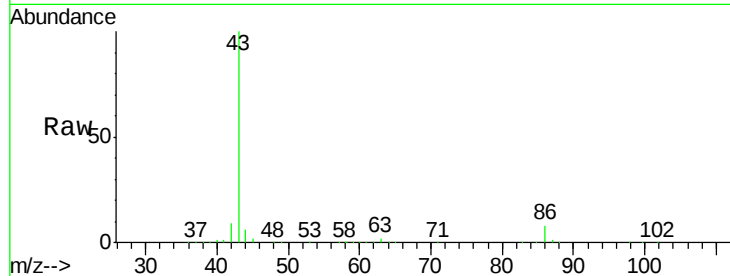
86 8.0 6.6 10.0

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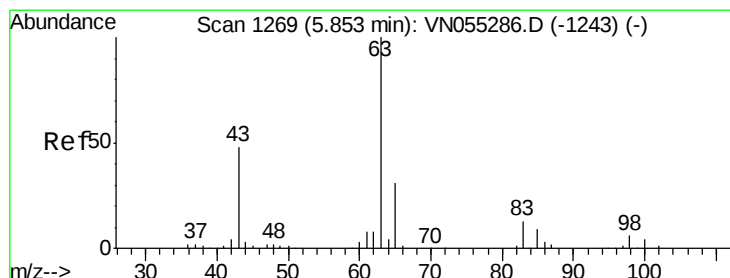
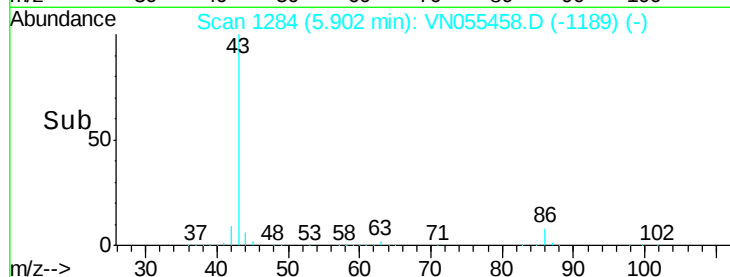
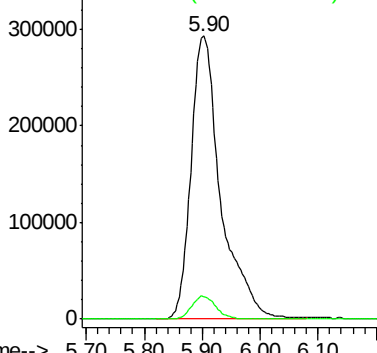
MMDadoda

5/8/2019 10:16:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.896 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

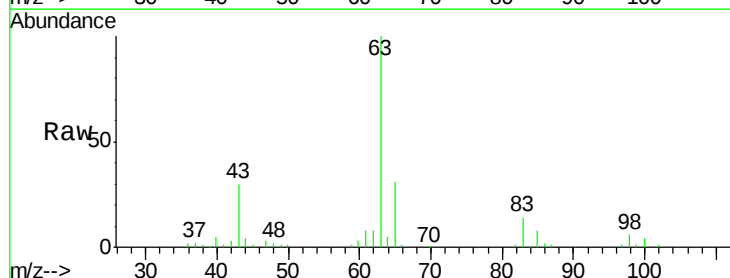
Tgt Ion: 63 Resp: 157997

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

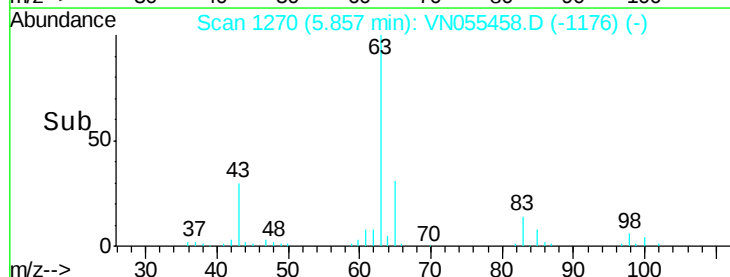
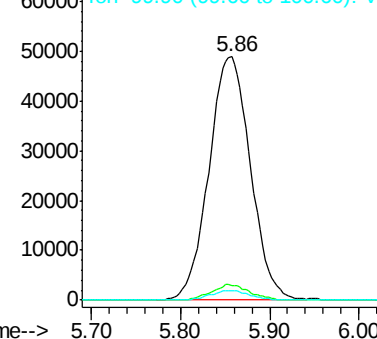
100 3.9 1.8 5.4

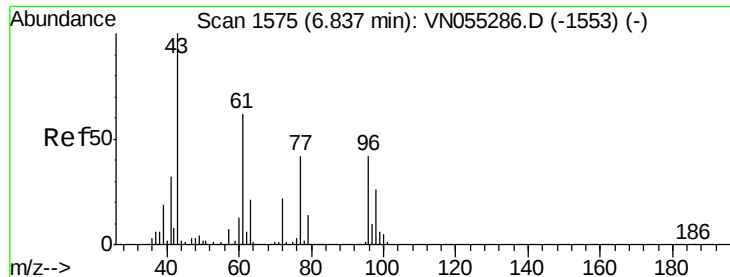


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





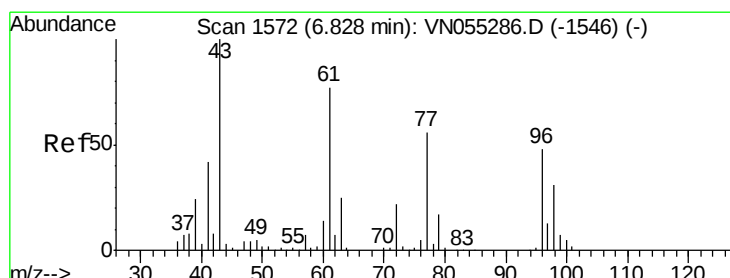
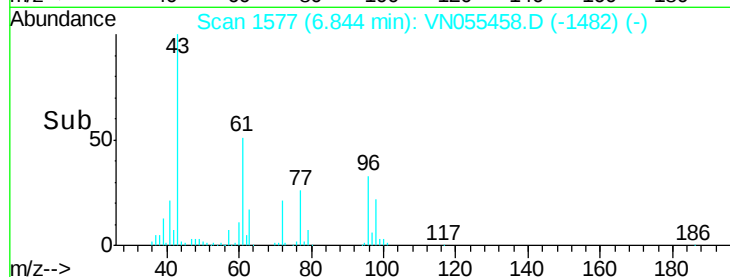
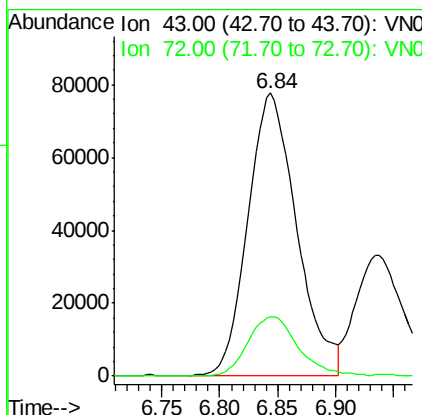
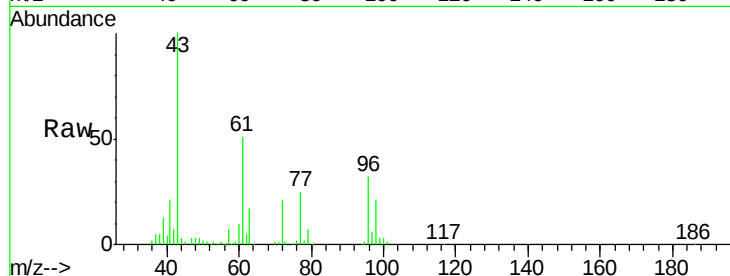
#25
2-Butanone
Concen: 130.087 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 43 Resp: 225930
Ion Ratio Lower Upper
43 100
72 20.9 18.0 27.0

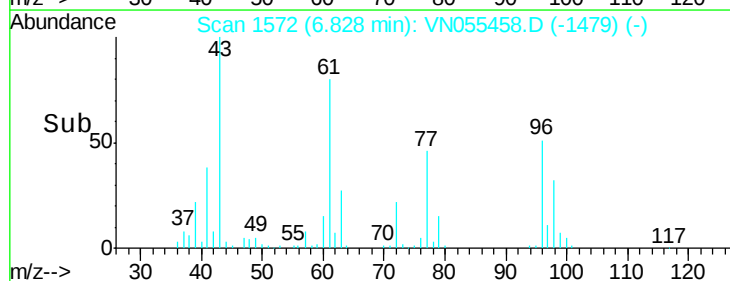
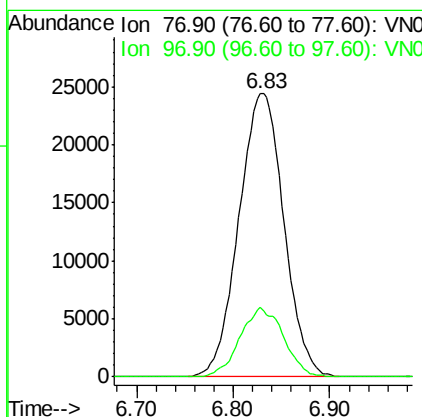
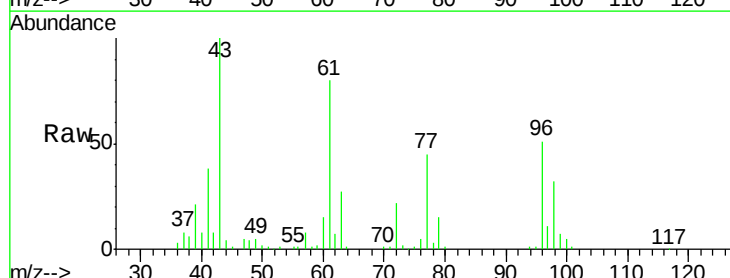
Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:16:28 AM



#26
2,2-Dichloropropane
Concen: 15.803 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 77 Resp: 78742
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 21.657 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

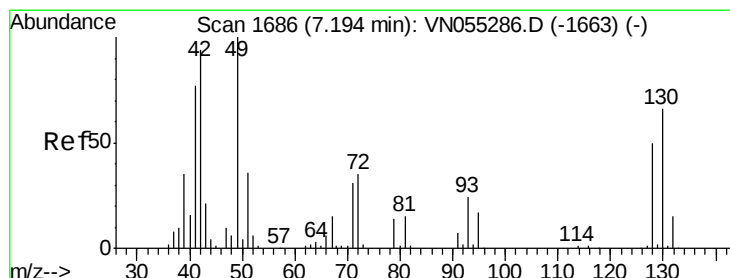
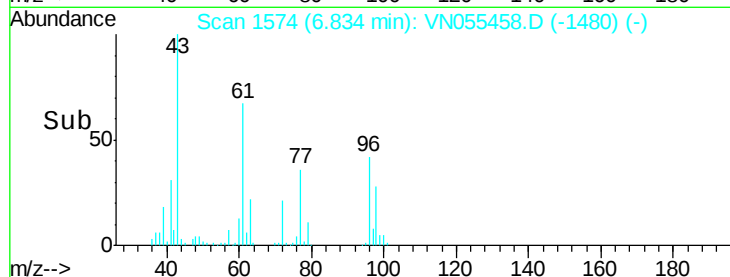
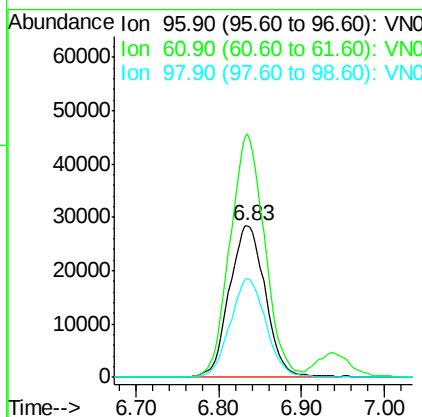
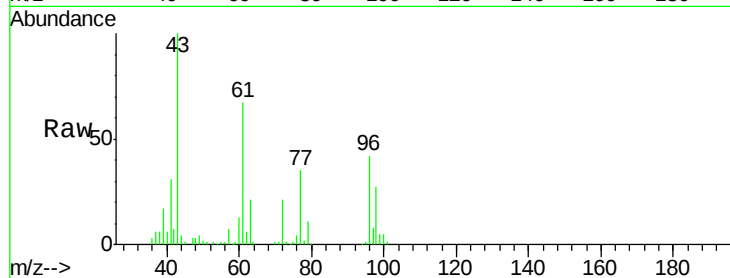
ClientSampled :

VN0507MBSD01

Tot Ion:	96	Resp:	85840
Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	316.2
98	64.4	0.0	126.6

Manual Integrations
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5/8/2019 10:16:28 AM



#28

Bromochloromethane

Concen: 22.162 ug/l

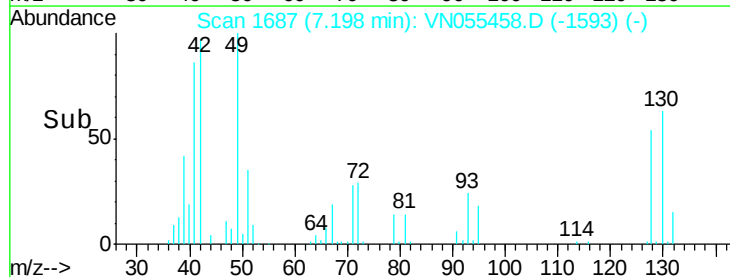
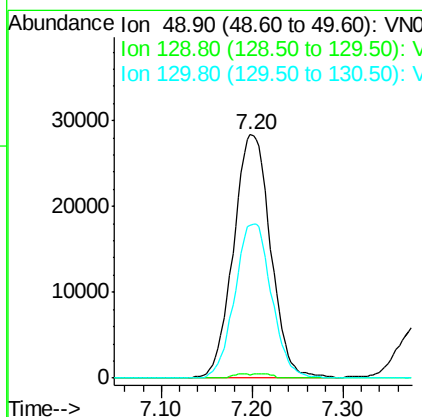
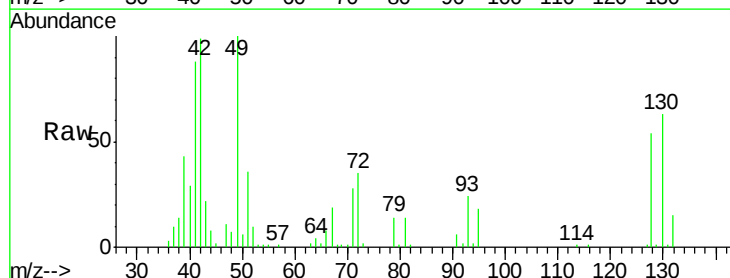
RT: 7.20 min Scan# 1687

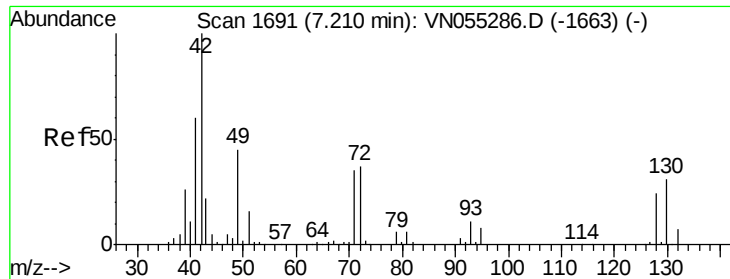
Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion:	49	Resp:	80610
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.4
130	62.3	52.0	78.0





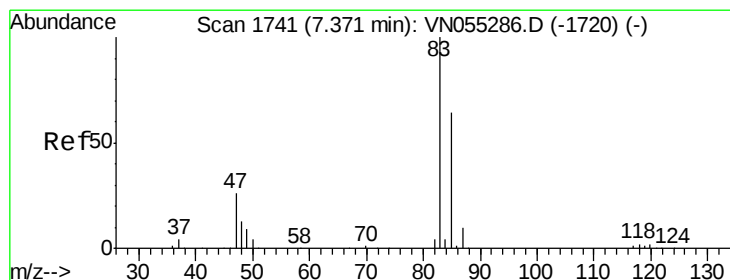
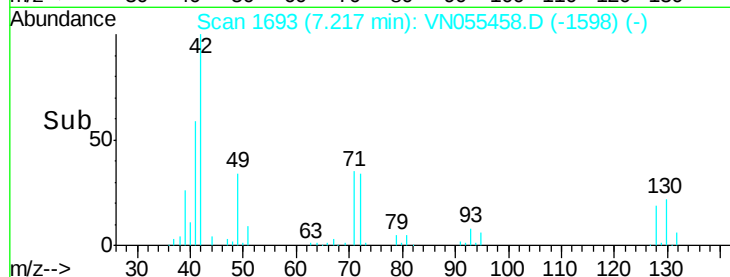
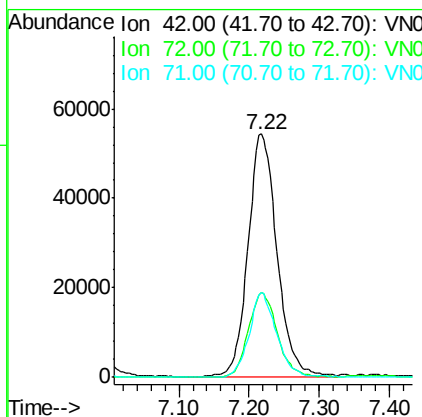
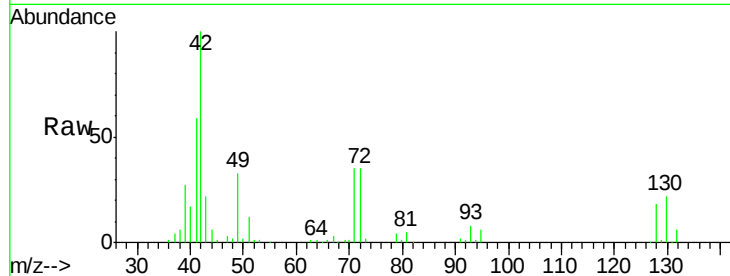
#29
Tetrahydrofuran
Concen: 141.058 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	29.0	43.6
71	32.6	27.1	40.7

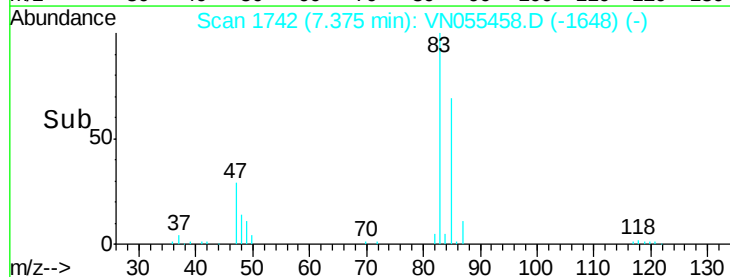
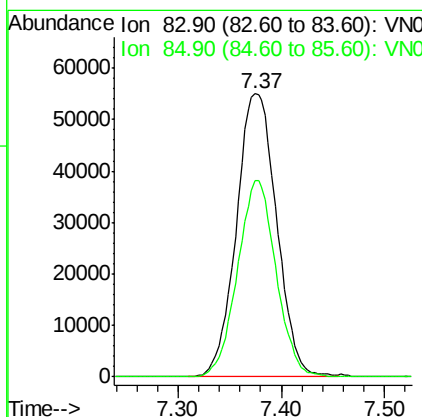
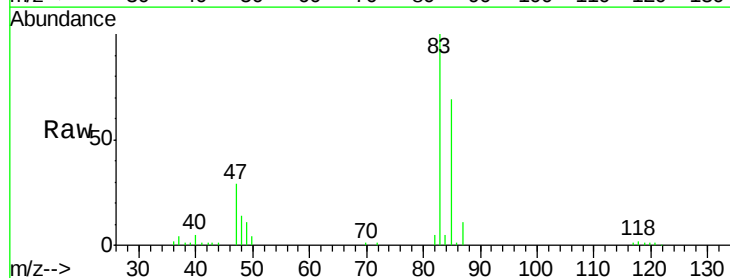
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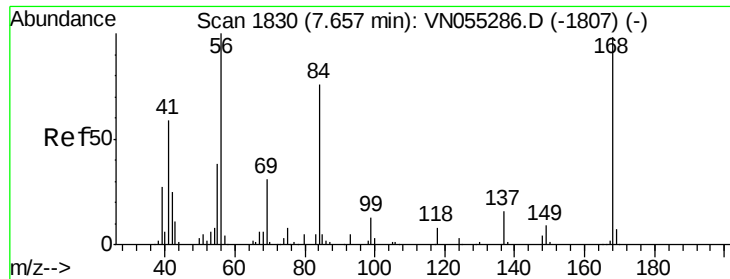
MMDadoda
5/8/2019 10:16:28 AM



#30
Chloroform
Concen: 21.834 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.2	51.4	77.2





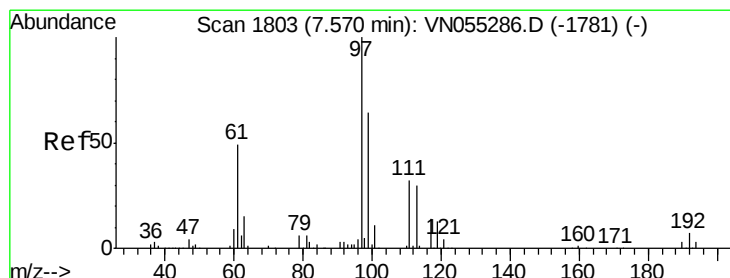
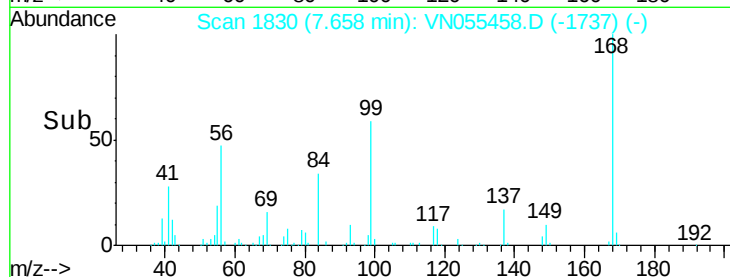
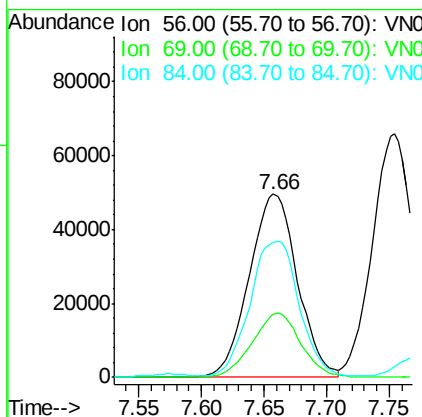
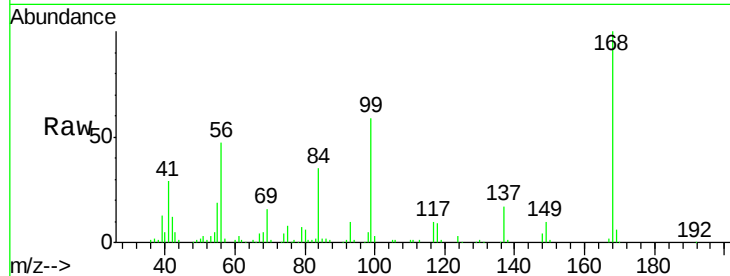
#31
Cyclohexane
Concen: 19.366 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	25.2	37.8
84	72.7	61.1	91.7

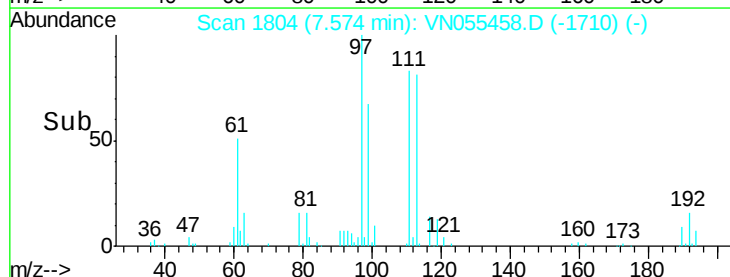
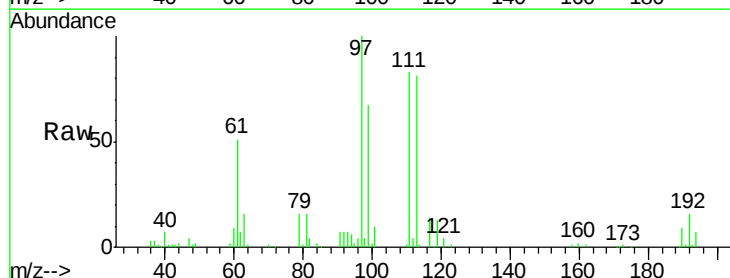
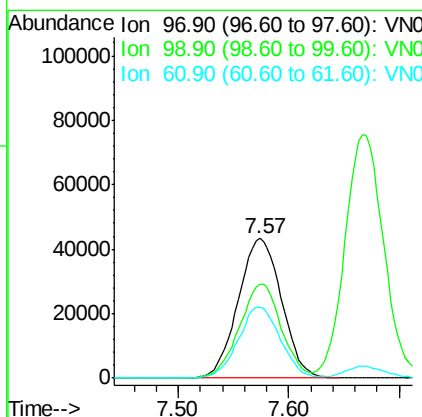
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#32
1,1,1-Trichloroethane
Concen: 21.210 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.8	77.8
61	49.5	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 55.519 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion: 65 Resp: 241980

Ion Ratio Lower Upper

65 100

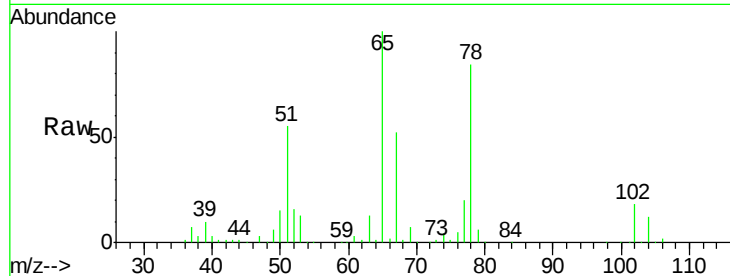
67 52.8 0.0 106.8

Manual Integrations

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5/8/2019 10:16:28 AM



Abundance Ion 64.90 (64.60 to 65.60): VN055286.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055286.D (-1926) (-)

8.03

100000

80000

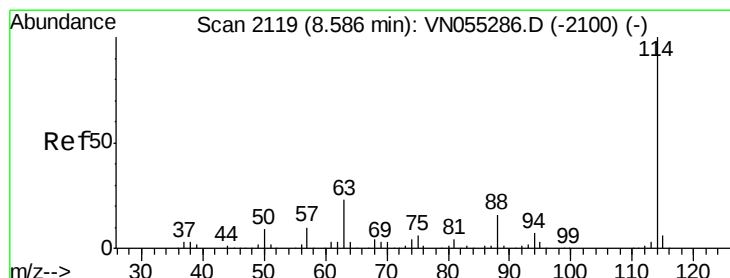
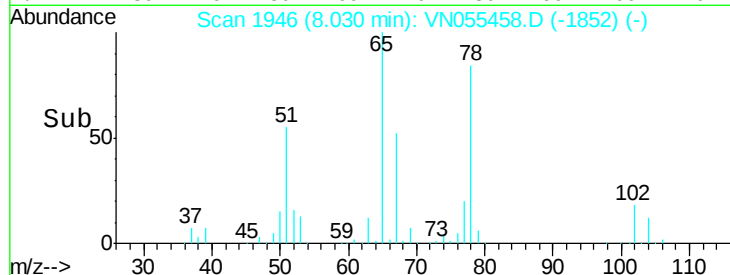
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

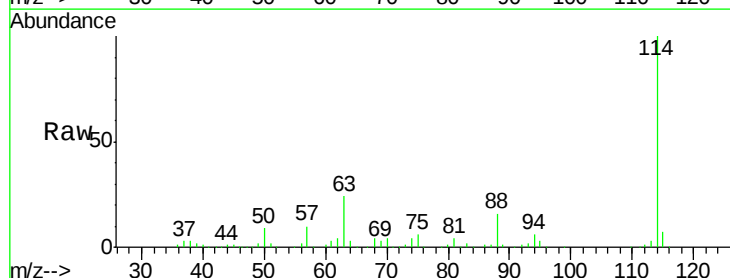
Tgt Ion: 114 Resp: 564615

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN055286.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN055286.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN055286.D (-2100) (-)

8.59

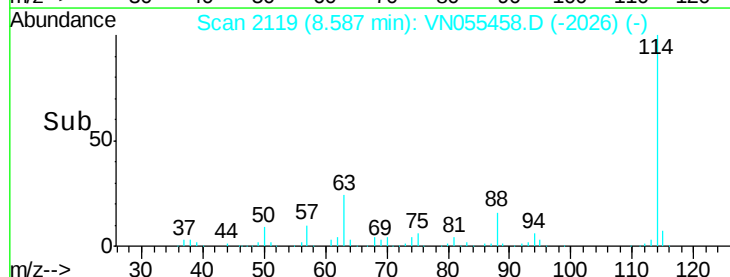
300000

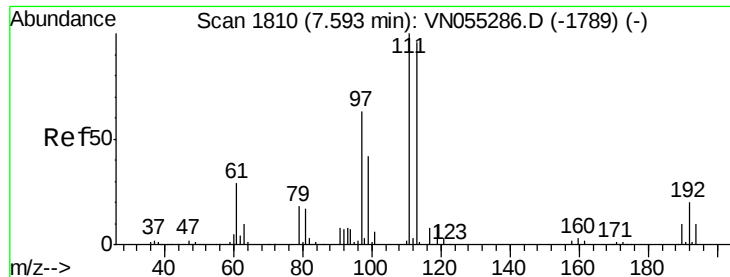
200000

100000

0

Time-->





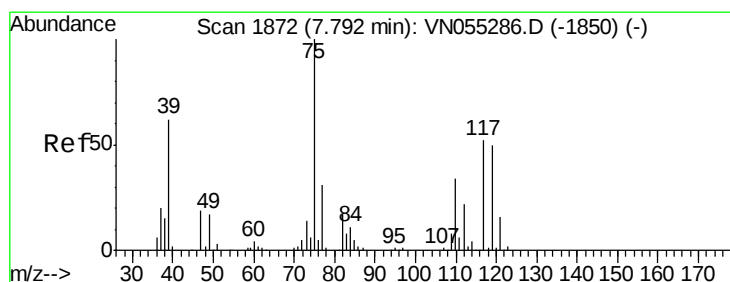
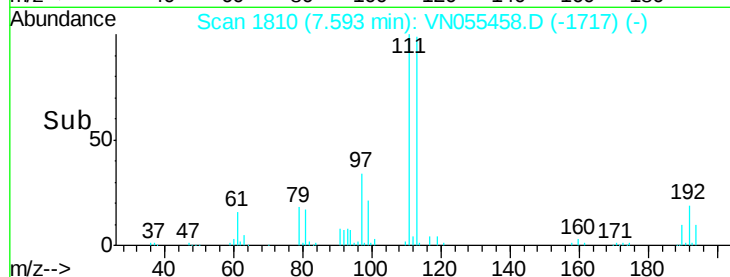
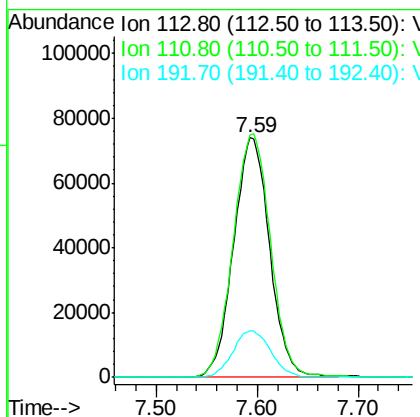
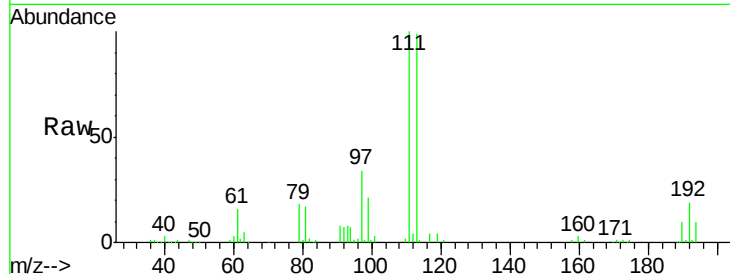
#35
 Dibromofluoromethane
 Concen: 49.522 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	105.7	82.3	123.5	
192	20.6	17.0	25.6	

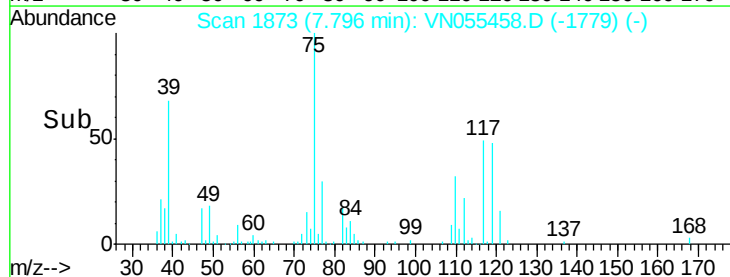
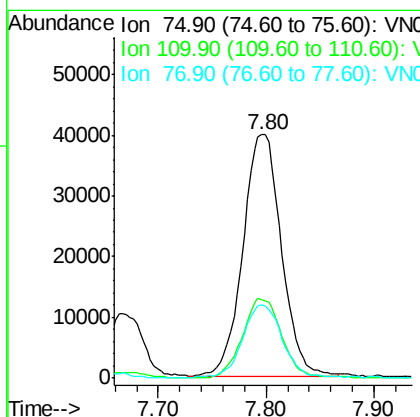
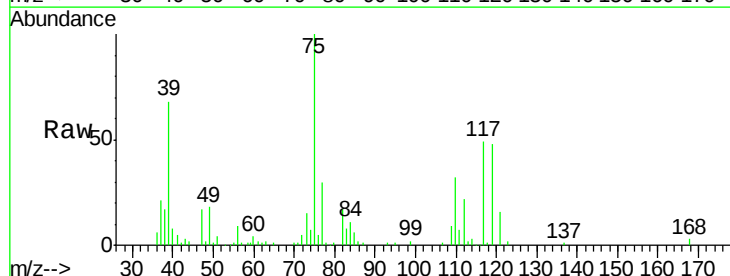
Manual Integrations
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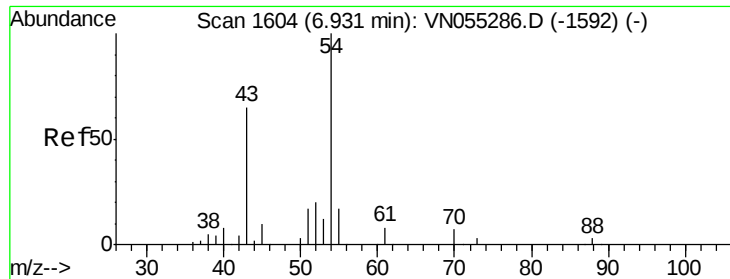
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 18.240 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.5	16.8	50.4	
77	31.3	25.0	37.6	





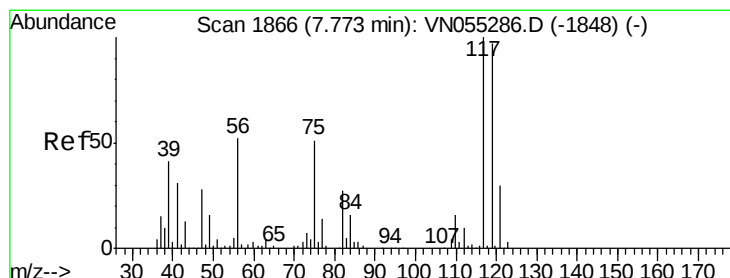
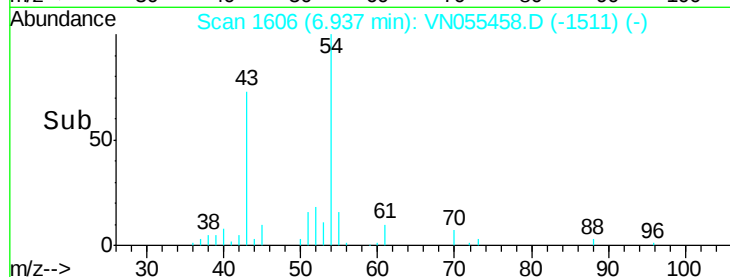
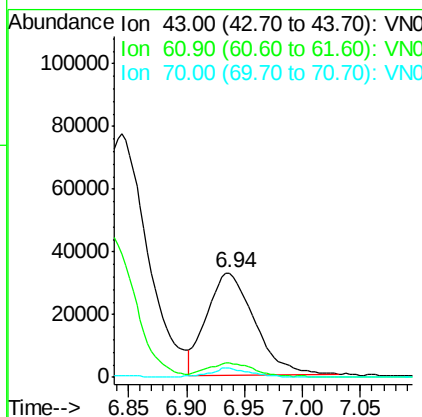
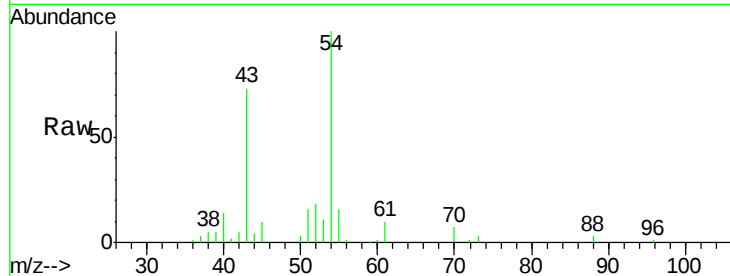
#37
Ethyl Acetate
Concen: 22.564 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	43	61	70
Resp	93524		
Ion Ratio	100	12.5	8.0
Lower		10.4	6.6
Upper		15.6	10.0

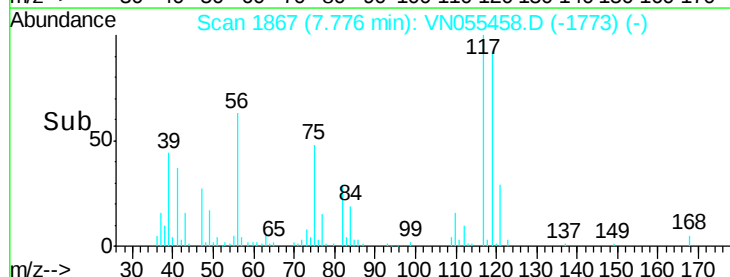
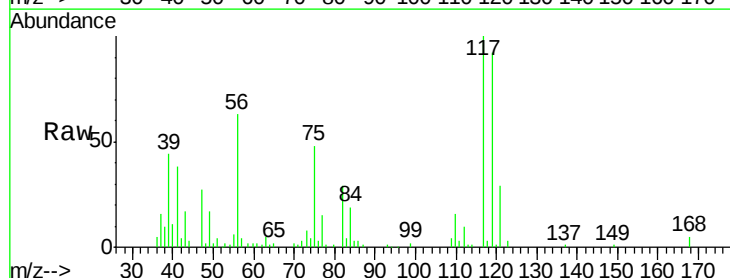
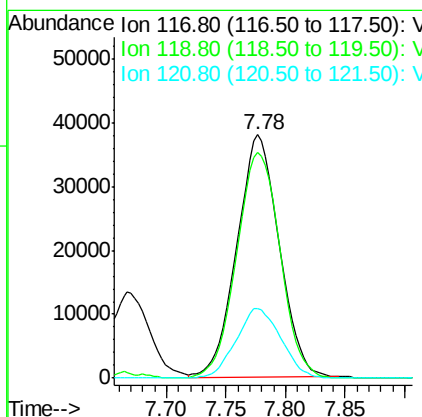
Manual Integrations
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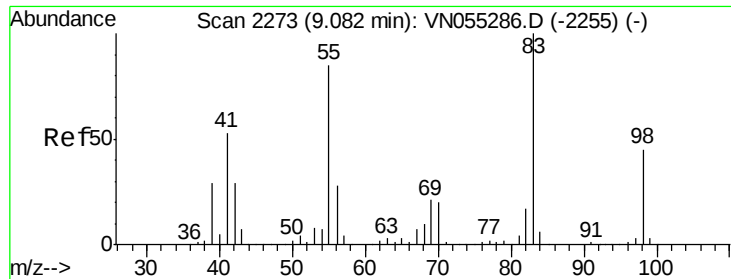
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#38
Carbon Tetrachloride
Concen: 17.929 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	117	119	121
Resp	93534		
Ion Ratio	100	93.0	28.9
Lower		77.0	23.8
Upper		115.6	35.8





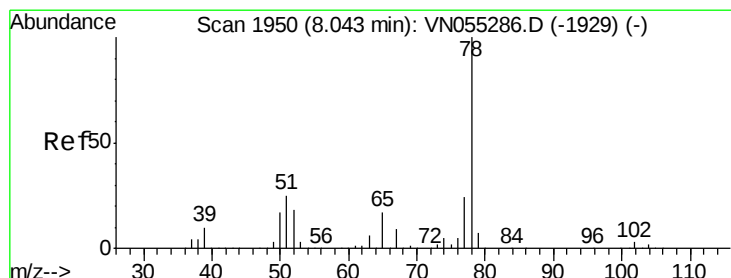
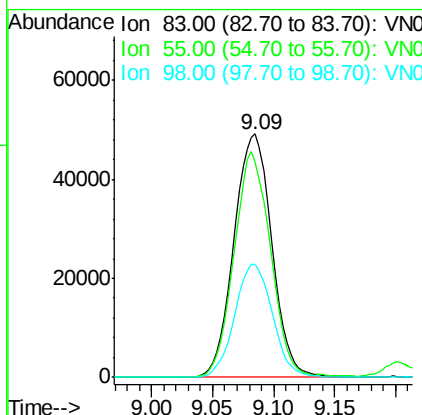
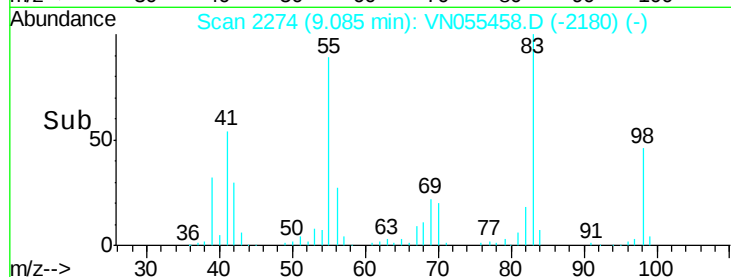
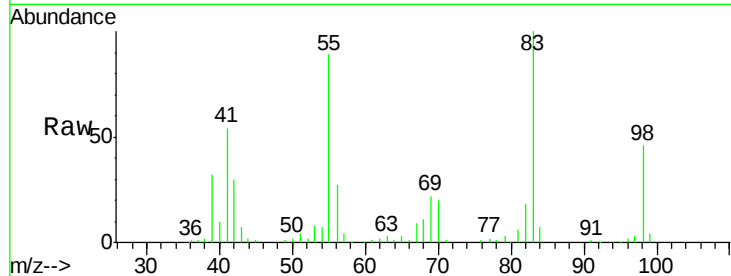
#39
Methvlcvclohexane
Concen: 18.369 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.7	67.8	101.6
98	46.4	36.2	54.4

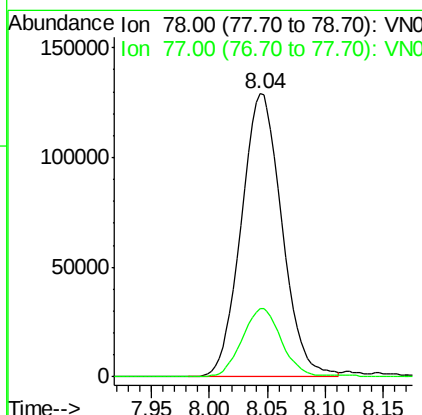
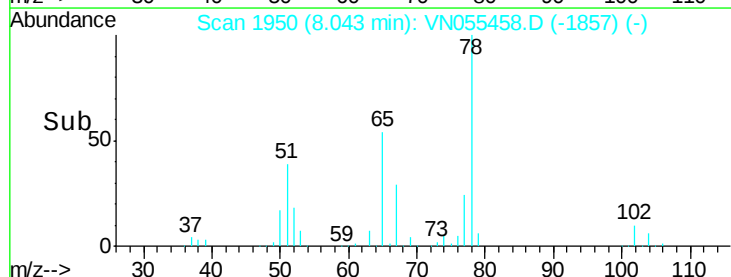
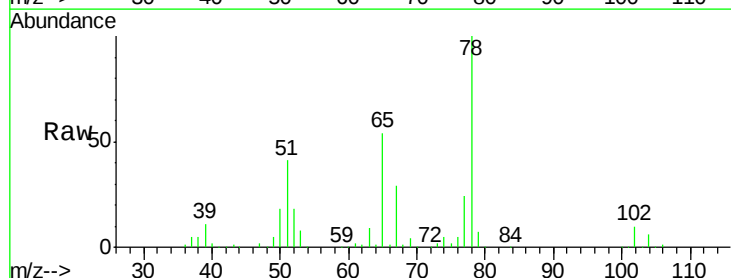
Manual Integrations
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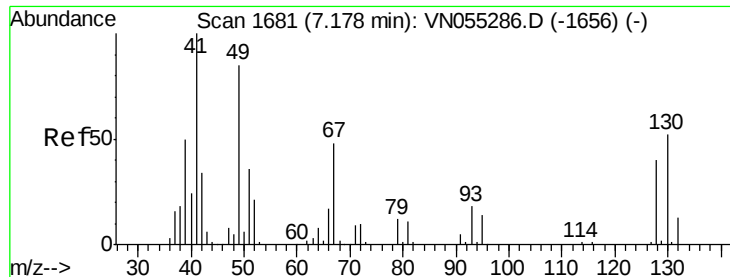
MMDadoda
5/8/2019 10:16:28 AM



#40
Benzene
Concen: 19.802 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





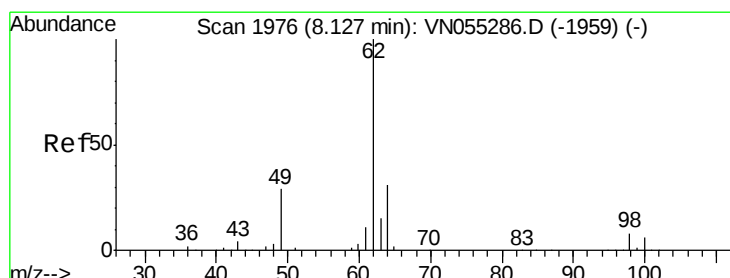
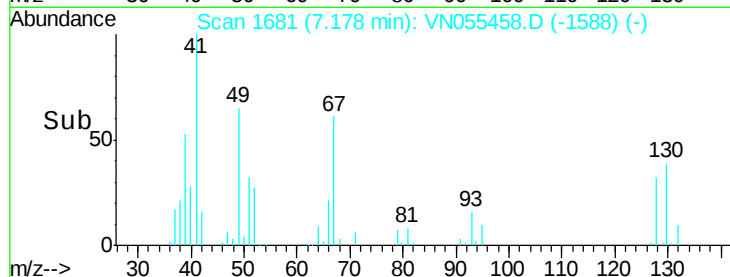
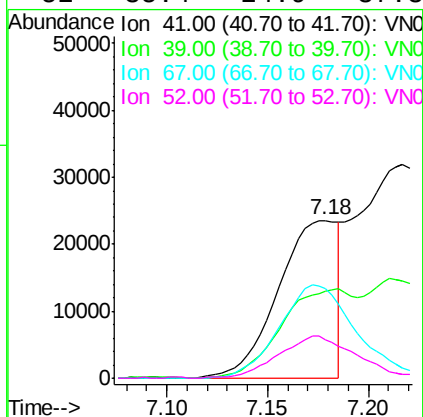
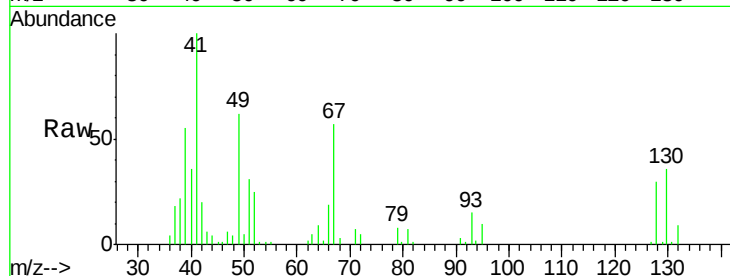
#41
Methacrylonitrile
Concen: 21.901 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	41	Resp	48182
Ion	Ratio	Lower	Upper
41	100		
39	69.6	48.5	72.7
67	76.3	54.9	82.3
52	35.4	24.9	37.3

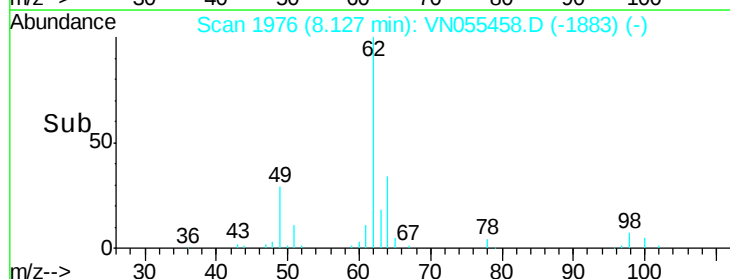
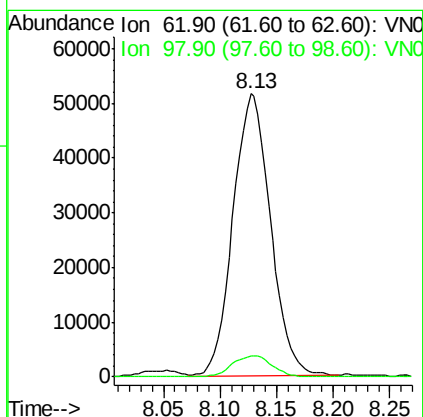
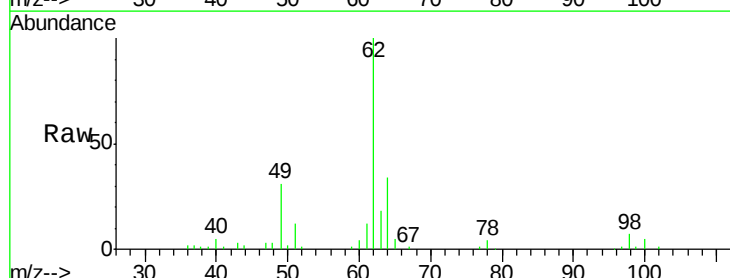
Manual Integrations
APPROVED

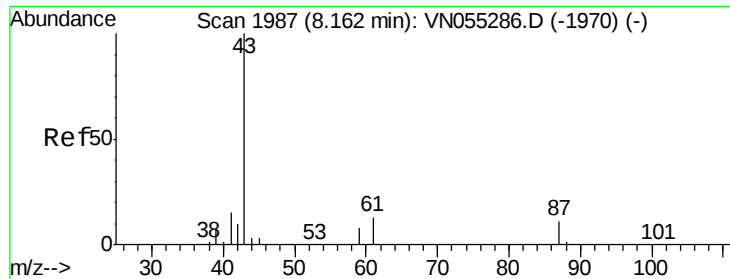
MMDadoda
5/8/2019 10:16:28 AM



#42
1,2-Dichloroethane
Concen: 21.113 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	62	Resp	119219
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.4





#43

Isopropyl Acetate

Concen: 24.916 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

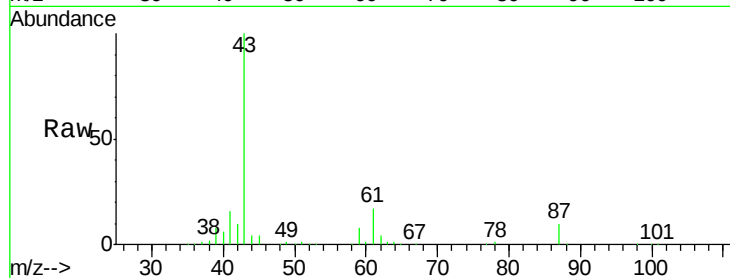
ClientSampleId :

VN0507MBSD01

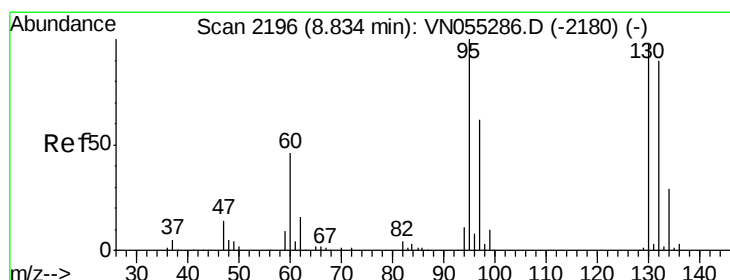
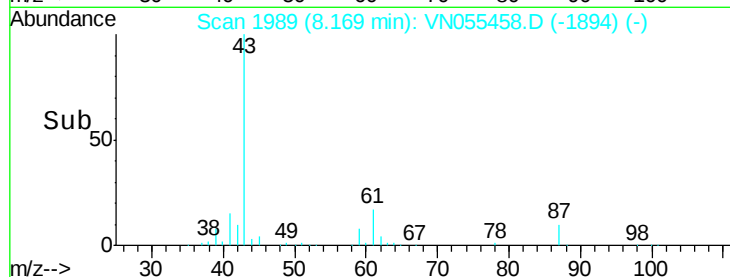
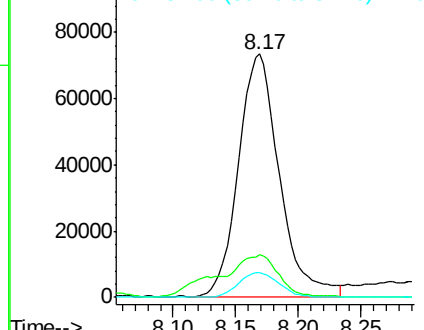
Tot Ion:	43	Resp:	165969
Ion	Ratio	Lower	Upper
43	100		
61	16.8	20.8	31.2#
87	10.1	8.5	12.7

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN055458.D (-1894) (-)



#44

Trichloroethene

Concen: 19.082 ug/l

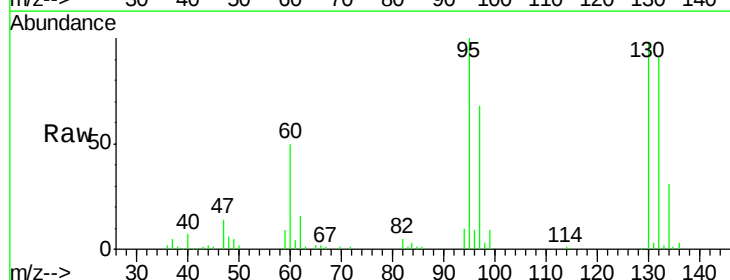
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

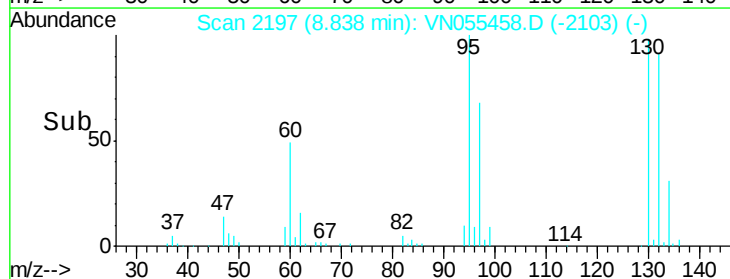
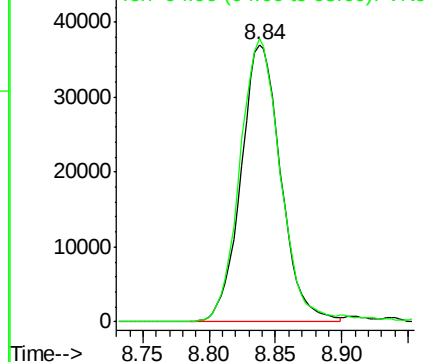
Lab File: VN055458.D

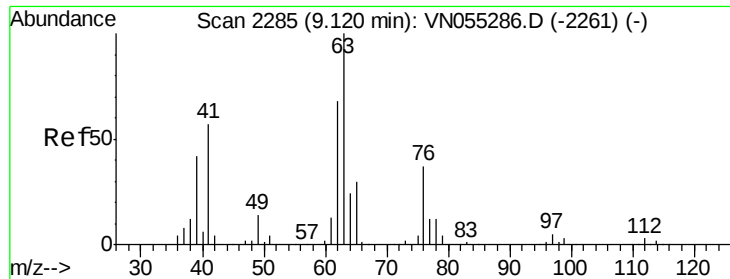
Acq: 8 May 2019 00:44

Tgt Ion:	130	Resp:	77556
Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	203.4



Abundance Ion 129.80 (129.50 to 130.50): VN055458.D (-2103) (-)





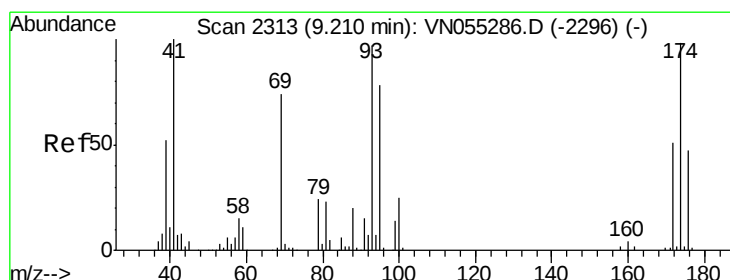
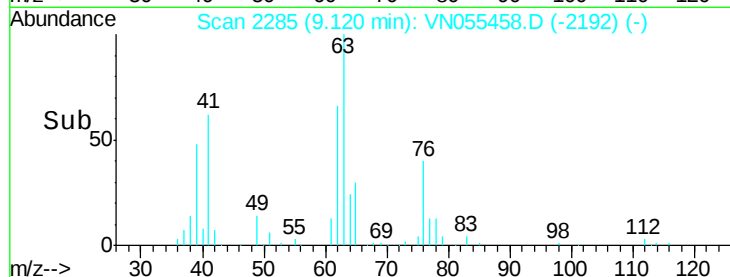
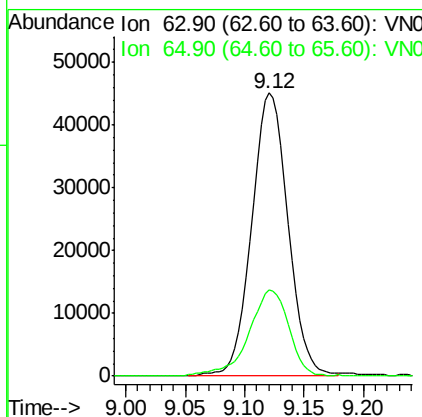
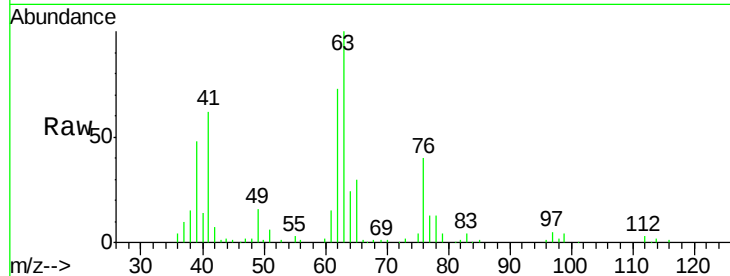
#45
 1,2-Dichloropropane
 Concen: 20.768 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507MBSD01

Tot Ion: 63 Resp: 95493
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.9 35.9

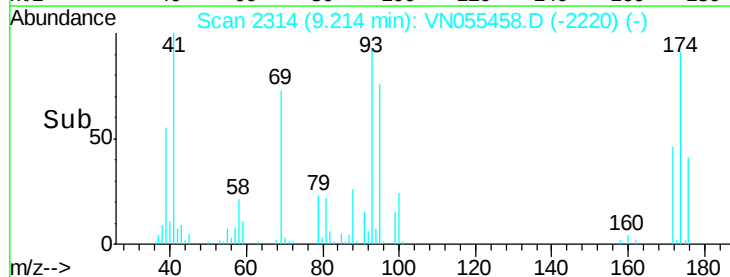
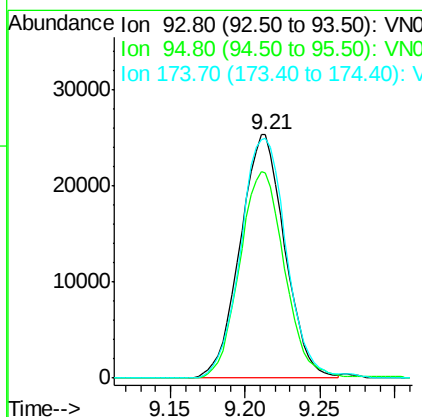
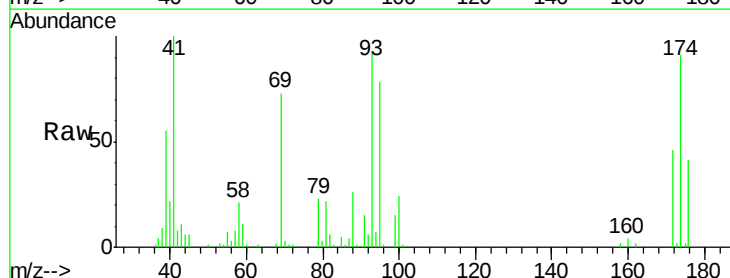
Manual Integrations
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 5/8/2019 10:16:28 AM



#46
 Dibromomethane
 Concen: 20.949 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion: 93 Resp: 52653
 Ion Ratio Lower Upper
 93 100
 95 85.2 65.7 98.5
 174 100.5 81.5 122.3





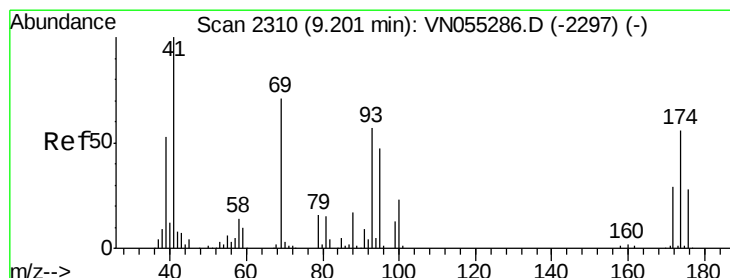
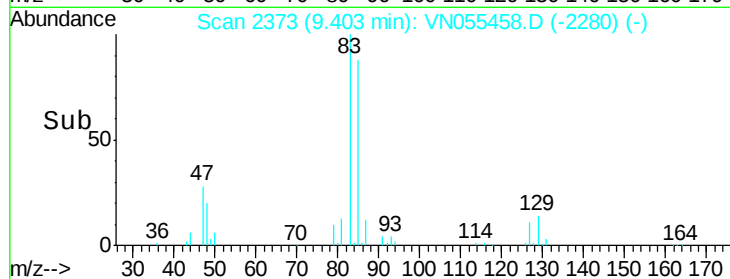
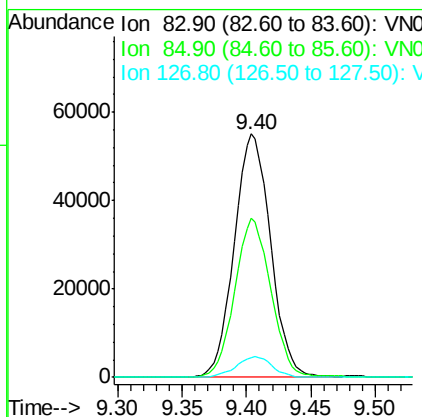
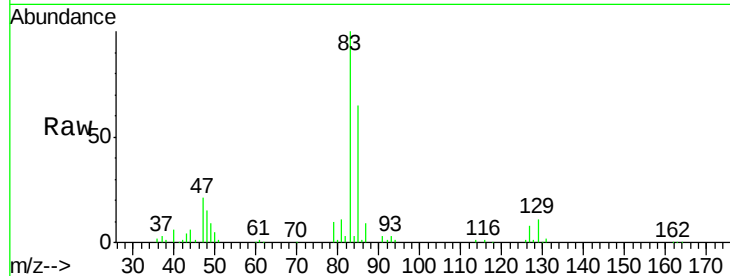
#47
Bromodichloromethane
Concen: 20.060 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	83	Resp	108163
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	50.1	75.1
127	8.2	6.7	10.1

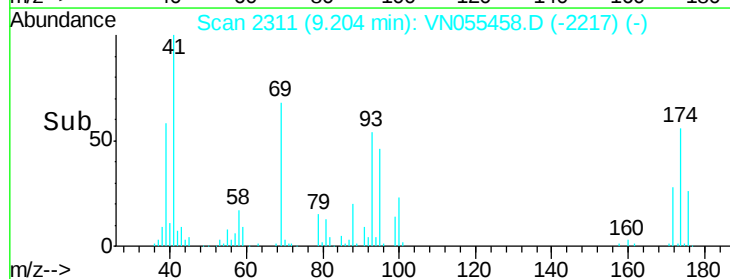
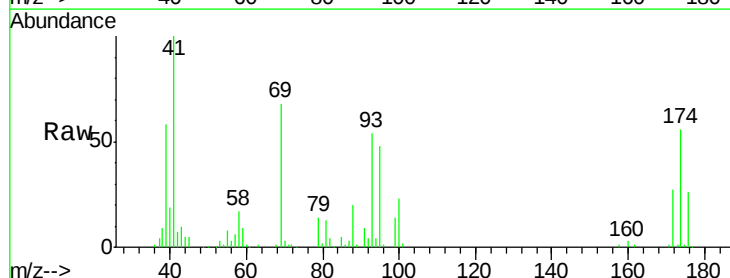
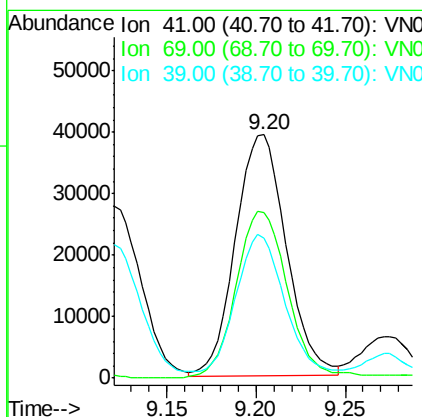
Manual Integrations
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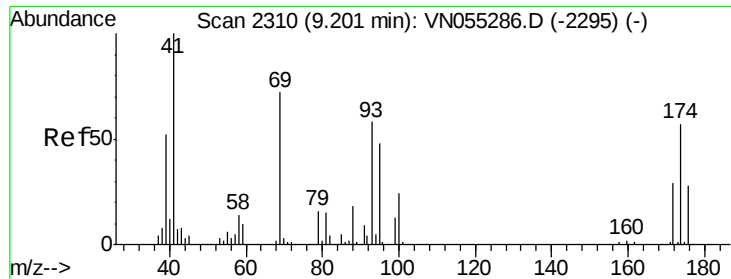
MMDadoda
5/8/2019 10:16:28 AM



#48
Methyl methacrylate
Concen: 23.969 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	41	Resp	78488
Ion Ratio	100	Lower	Upper
41	100		
69	70.1	58.6	87.8
39	57.2	43.8	65.6





#49

1,4-Dioxane

Concen: 521.822 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

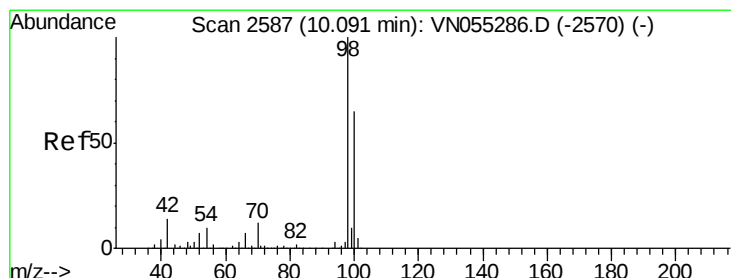
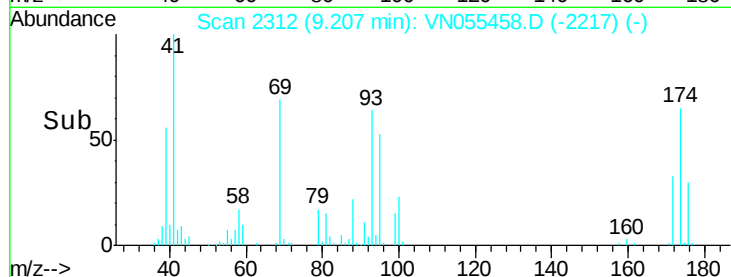
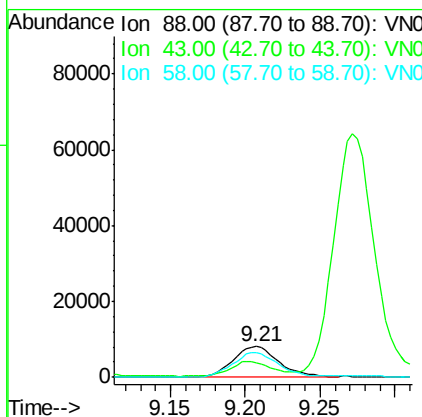
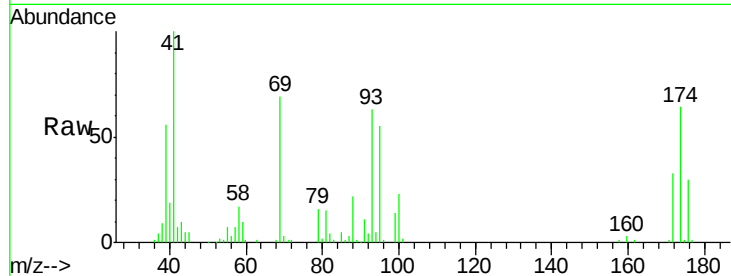
ClientSampleId :

VN0507MBSD01

Tot Ion:	88	Resp:	17664
Ion	Ratio	Lower	Upper
88	100		
43	43.9	33.3	49.9
58	78.5	62.7	94.1

Manual Integrations
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#50

Toluene-d8

Concen: 47.950 ug/l

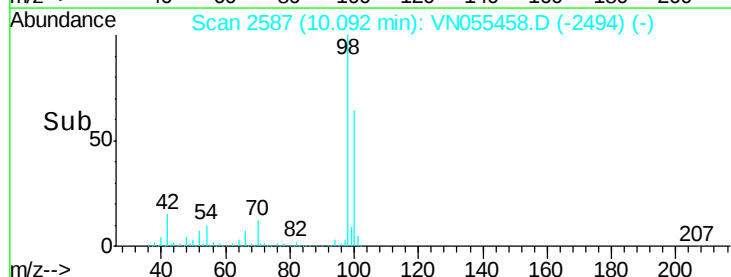
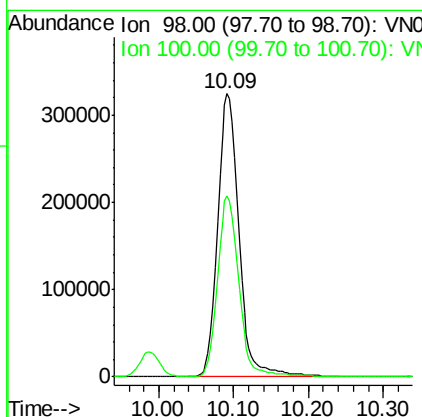
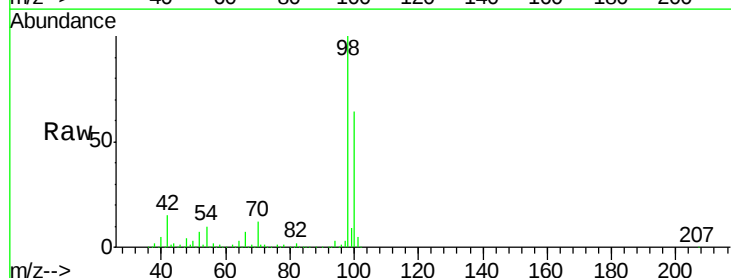
RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion:	98	Resp:	641657
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 128.497 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion: 43 Resp: 481899

Ion Ratio Lower Upper

43 100

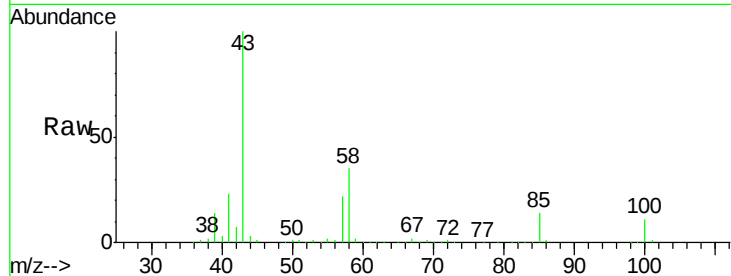
58 34.5 28.5 42.7

Manual Integrations

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MMDadoda

5/8/2019 10:16:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

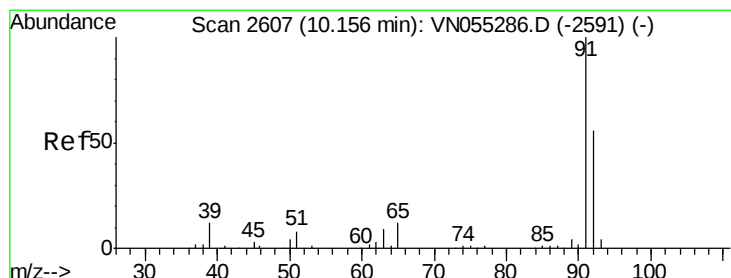
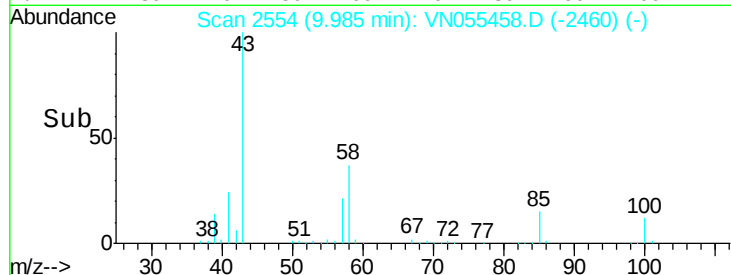
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.637 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055458.D

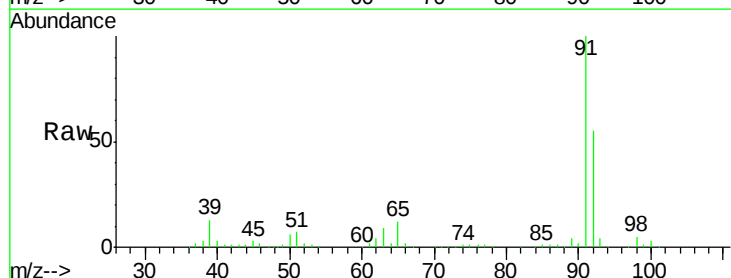
Acq: 8 May 2019 00:44

Tgt Ion: 92 Resp: 179632

Ion Ratio Lower Upper

92 100

91 178.5 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

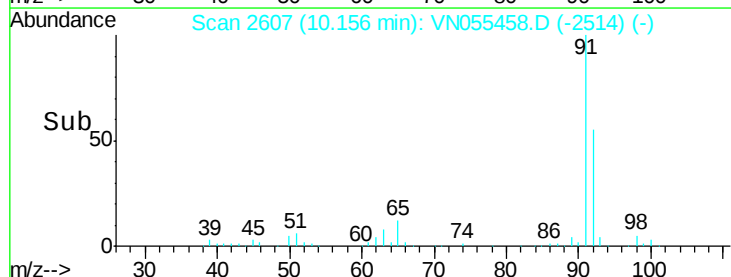
150000

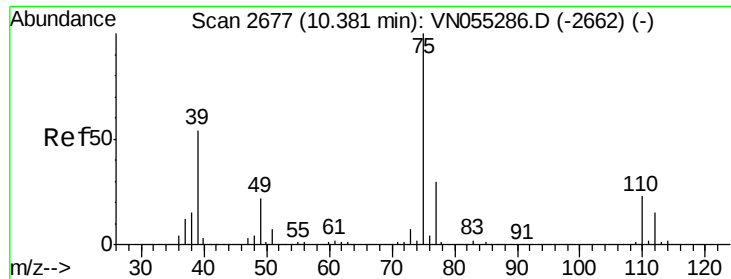
100000

50000

0

Time-->





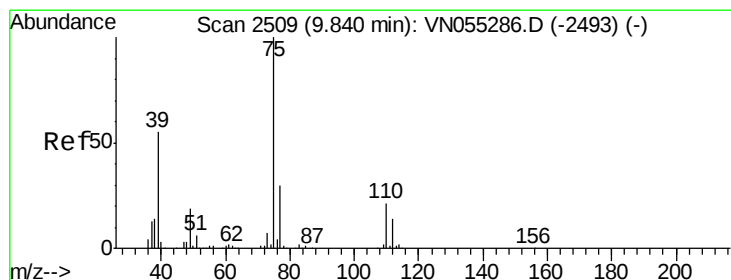
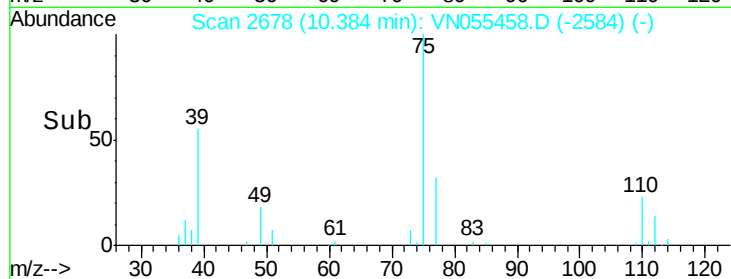
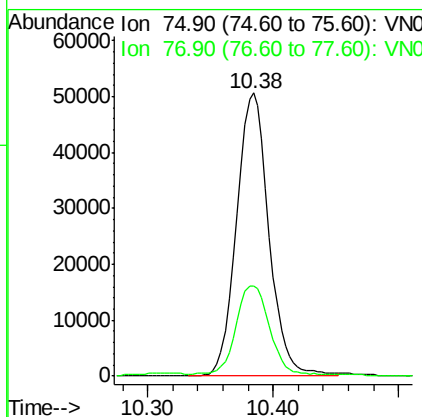
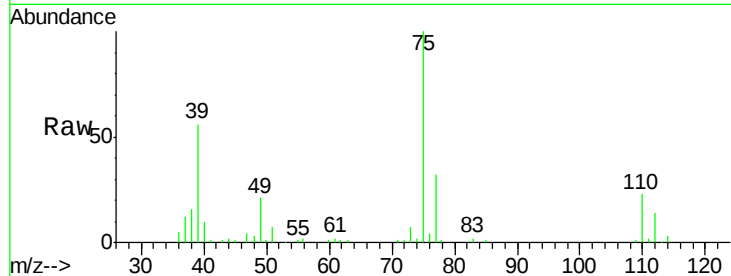
#53
t-1,3-Dichloropropene
Concen: 19.429 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 75 Resp: 90942
Ion Ratio Lower Upper
75 100
77 31.5 24.4 36.6

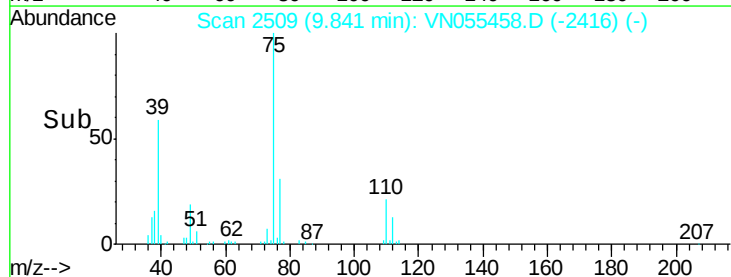
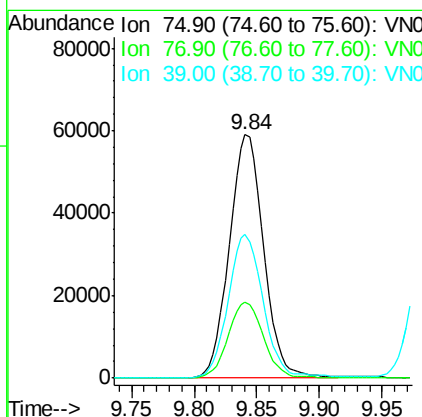
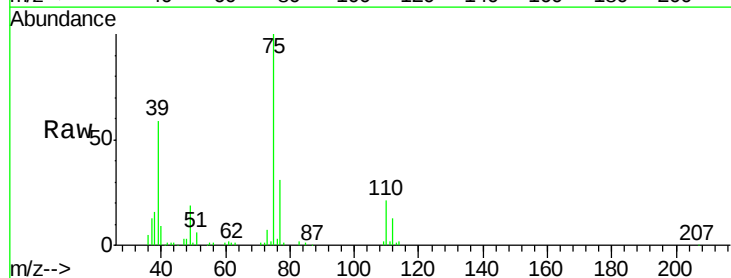
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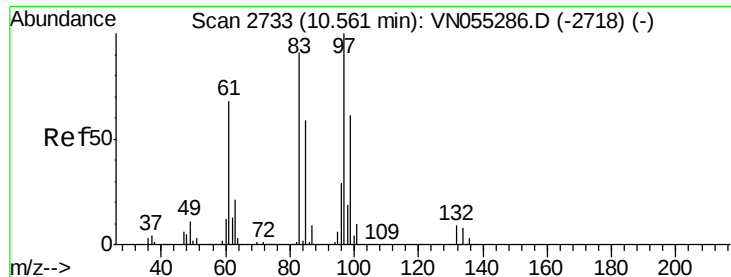
MMDadoda
5/8/2019 10:16:28 AM



#54
cis-1,3-Dichloropropene
Concen: 19.251 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 75 Resp: 112349
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2
39 58.6 44.2 66.2





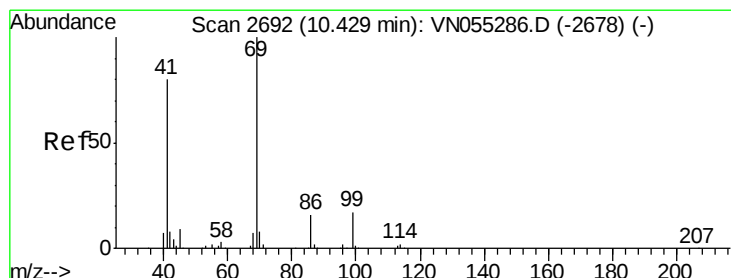
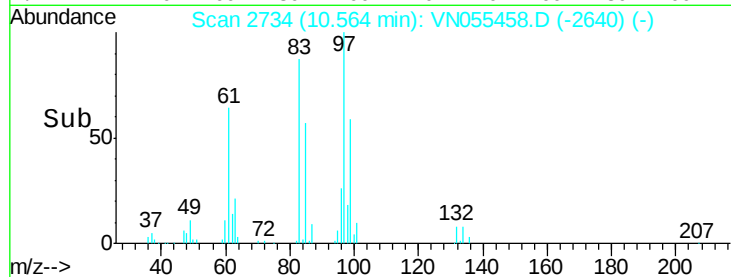
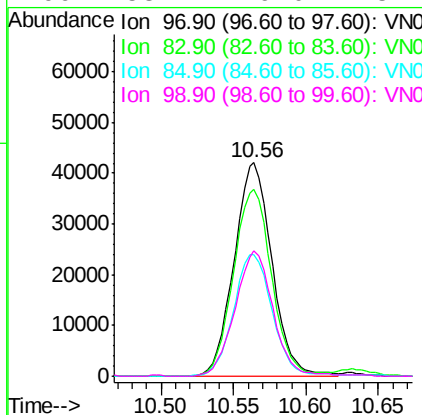
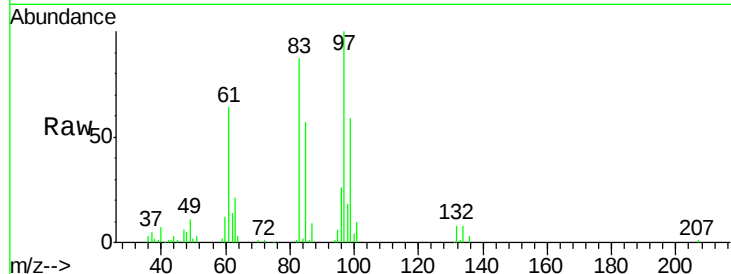
#55
 1,1,2-Trichloroethane
 Concen: 22.527 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion:	97	Resp:	76521
Ion	Ratio	Lower	Upper
97	100		
83	87.4	72.8	109.2
85	57.1	47.0	70.6
99	58.7	49.0	73.4

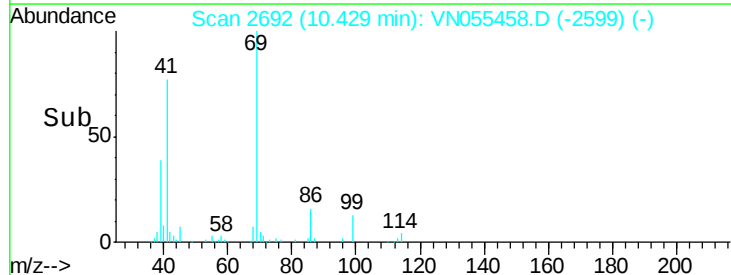
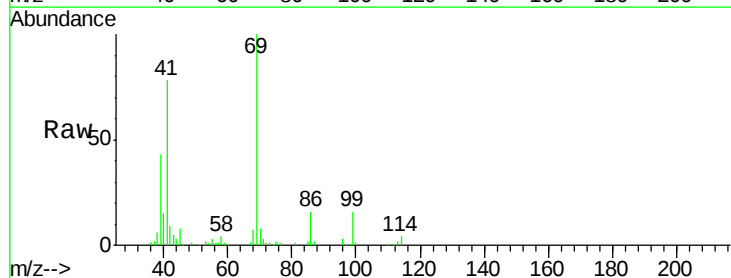
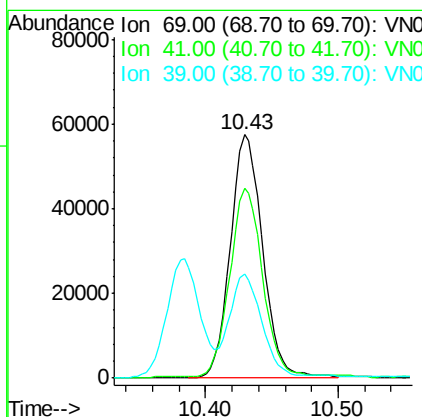
Manual Integrations
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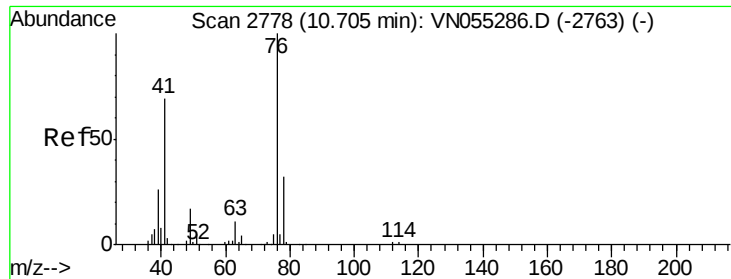
MMDadoda
 5/8/2019 10:16:28 AM



#56
 Ethyl methacrylate
 Concen: 23.386 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion:	69	Resp:	97775
Ion	Ratio	Lower	Upper
69	100		
41	79.2	62.7	94.1
39	42.0	32.0	48.0





#57

1,3-Dichloropropane

Concen: 22.033 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion: 76 Resp: 131294

Ion Ratio Lower Upper

76 100

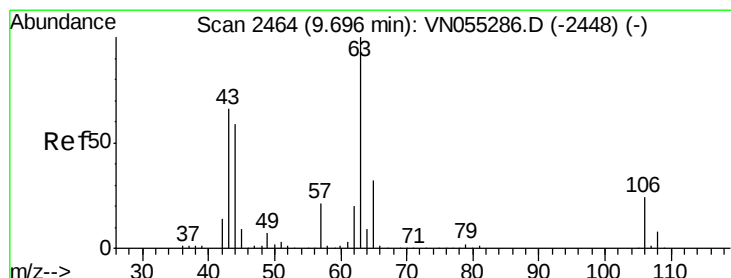
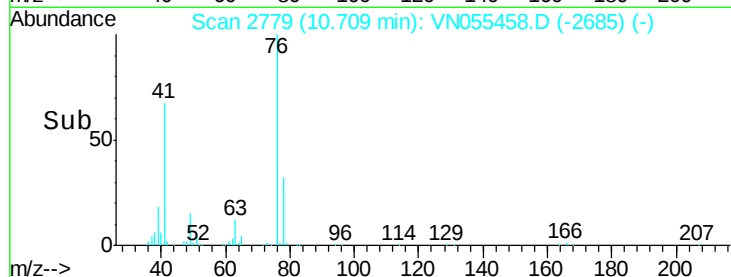
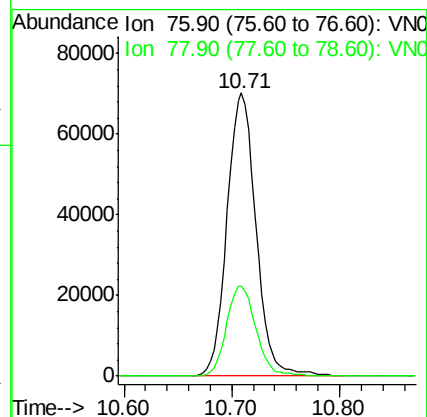
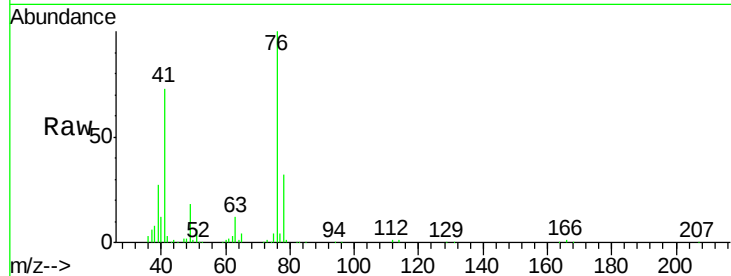
78 32.6 25.6 38.4

Manual Integrations

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MMDadoda

5/8/2019 10:16:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 76.034 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055458.D

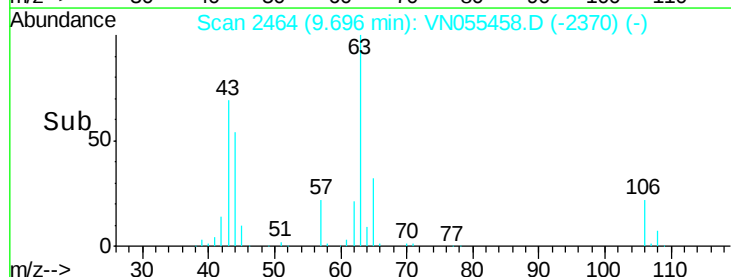
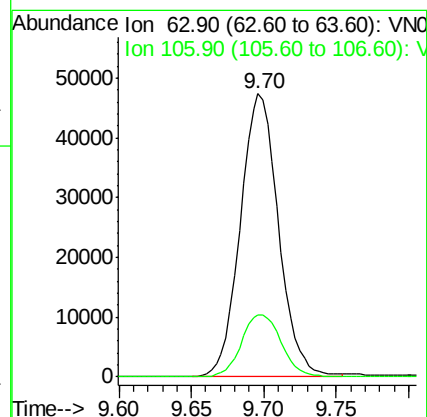
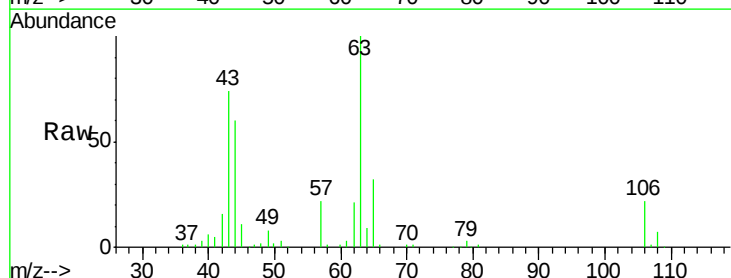
Acq: 8 May 2019 00:44

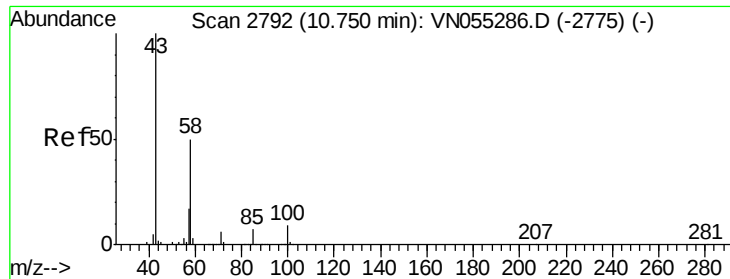
Tgt Ion: 63 Resp: 86873

Ion Ratio Lower Upper

63 100

106 22.8 19.0 28.4





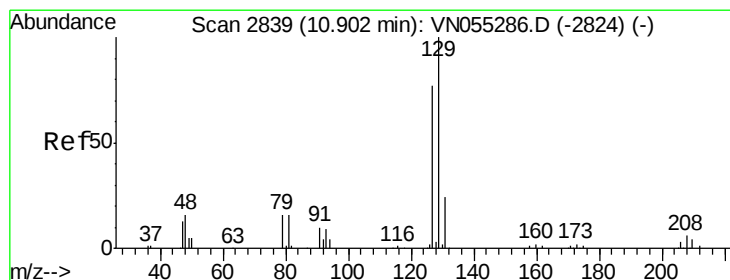
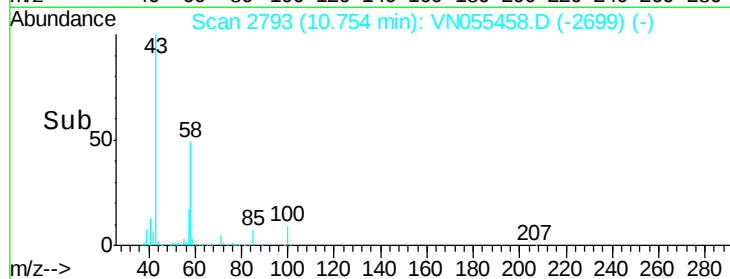
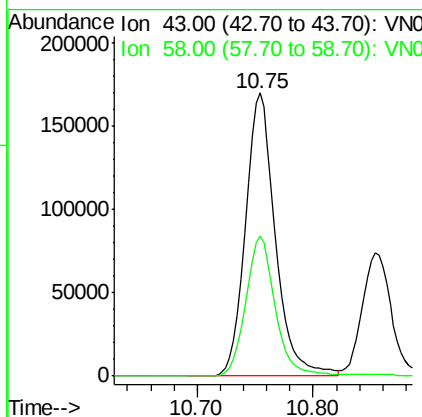
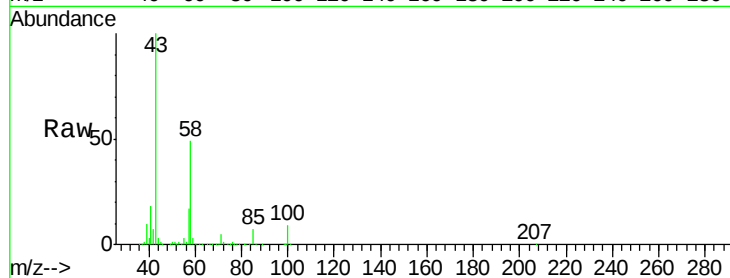
#59
2-Hexanone
Concen: 129.500 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 43 Resp: 303871
Ion Ratio Lower Upper
43 100
58 48.9 24.9 74.6

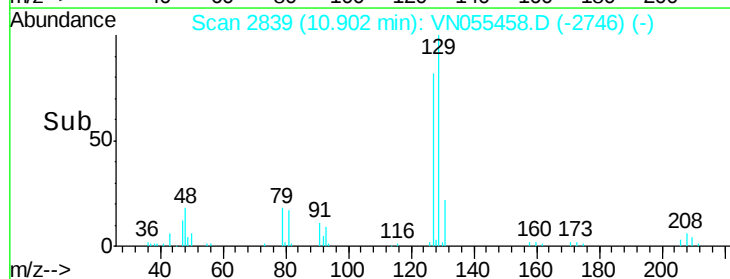
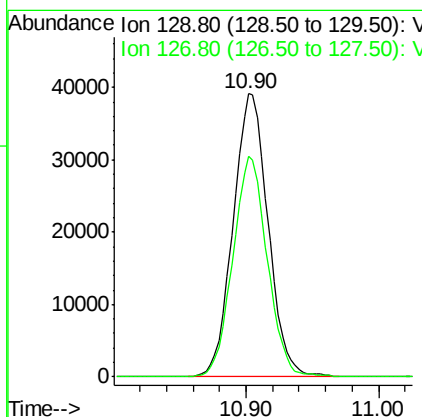
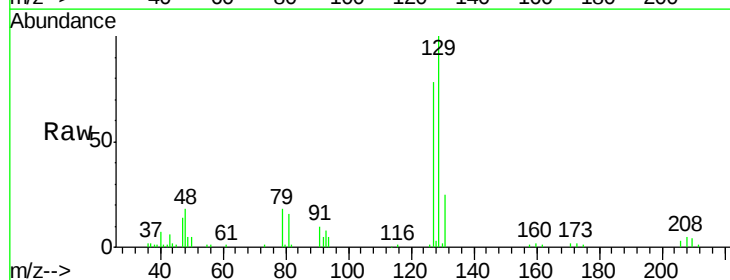
Manual Integrations
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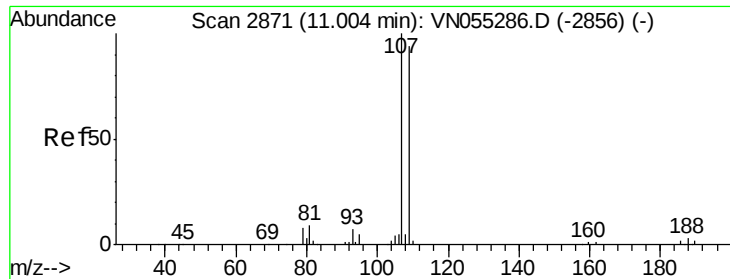
MMDadoda
5/8/2019 10:16:28 AM



#60
Dibromochloromethane
Concen: 20.630 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 129 Resp: 71623
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.5





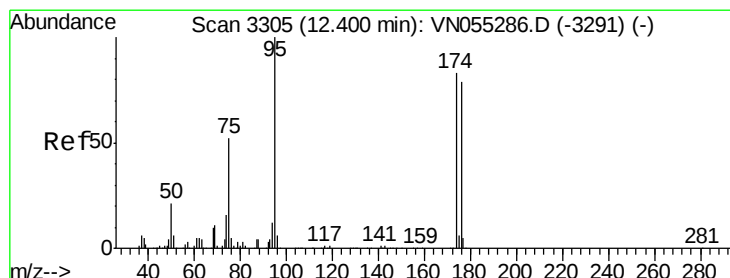
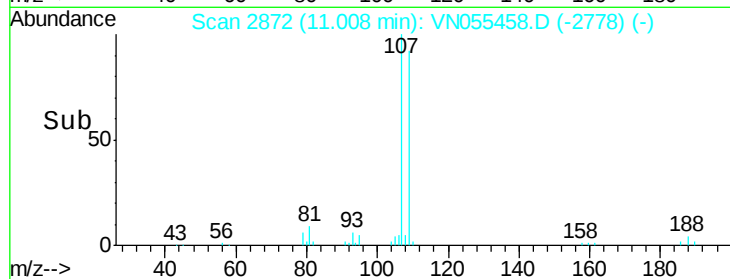
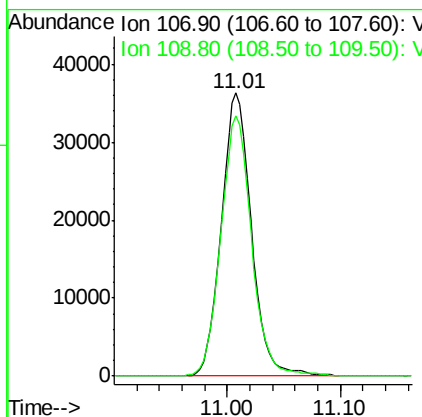
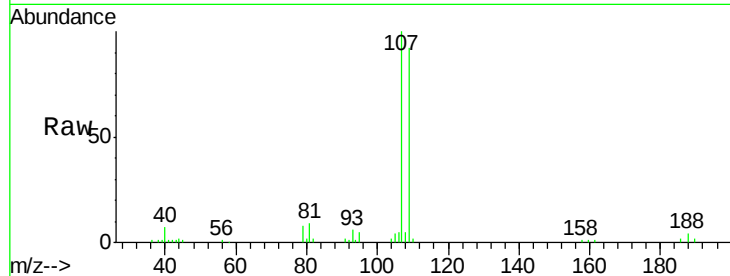
#61
 1,2-Dibromoethane
 Concen: 21.378 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.6

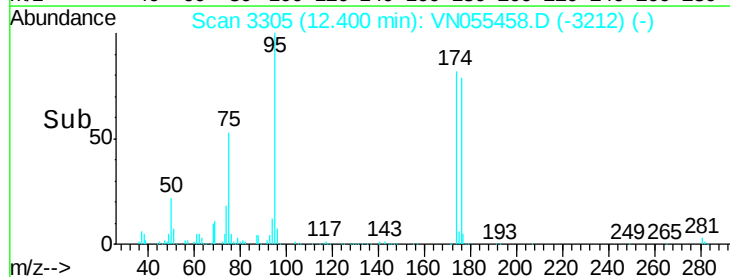
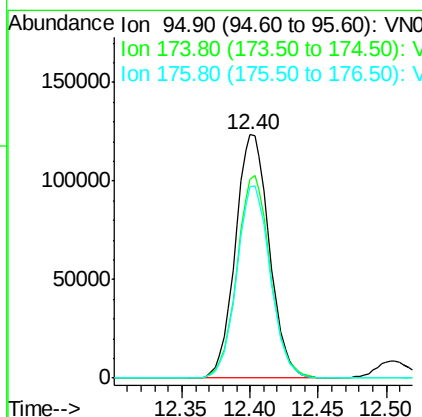
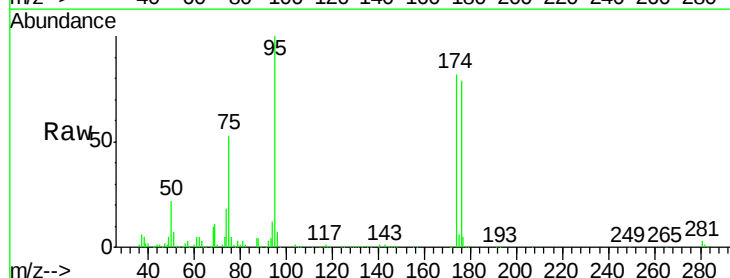
Manual Integrations
 APPROVED

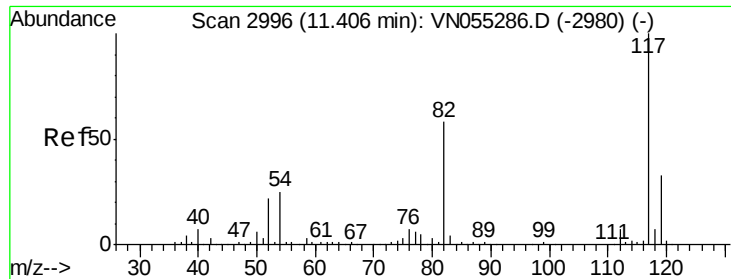
MMDadoda
 5/8/2019 10:16:28 AM



#62
 4-Bromofluorobenzene
 Concen: 51.015 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055458.D
 Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	166.6
176	77.8	0.0	157.8





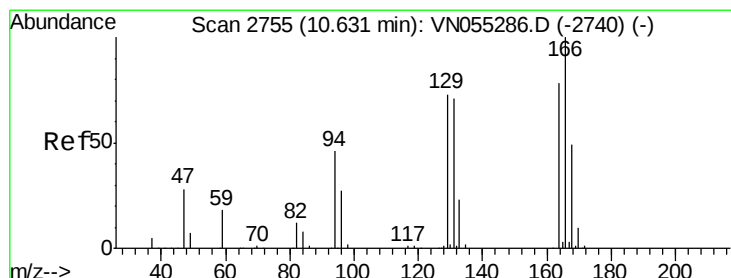
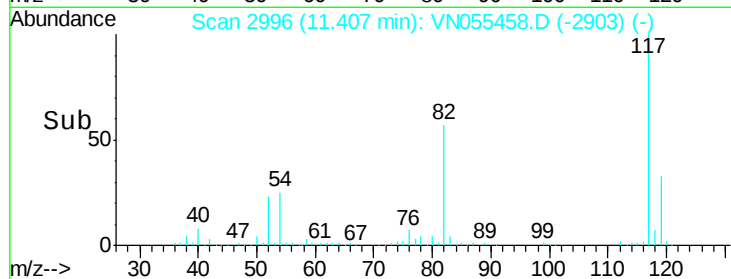
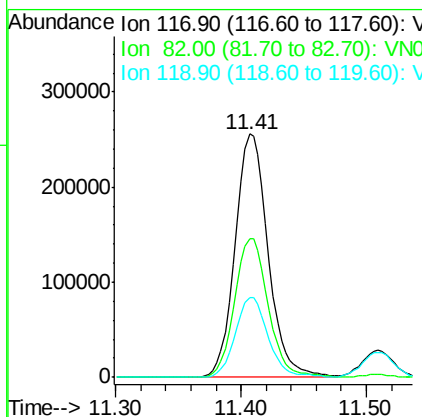
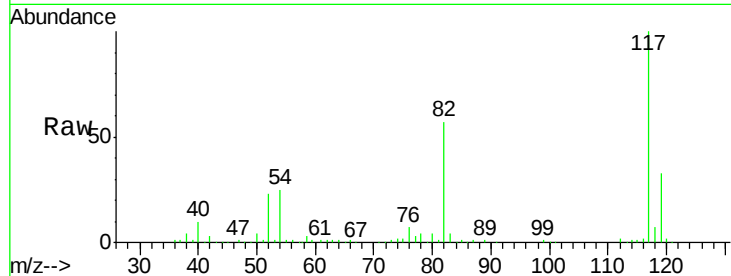
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	469211		
82	57.0	46.2	69.4	
119	33.0	26.6	40.0	

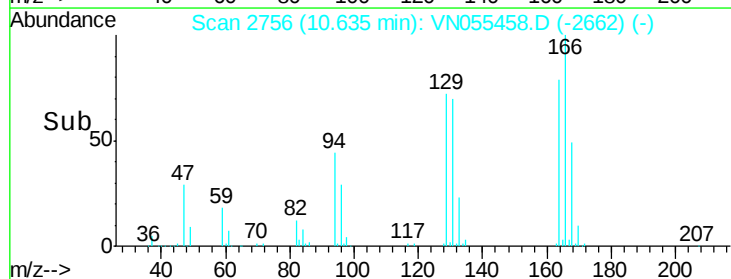
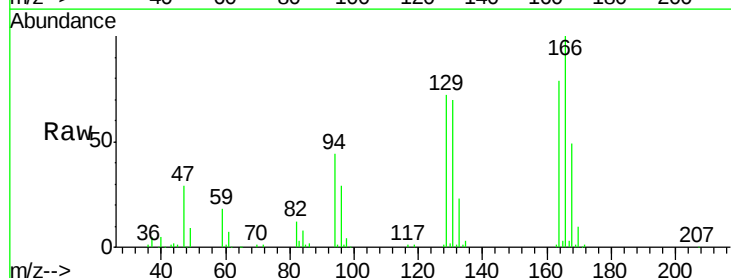
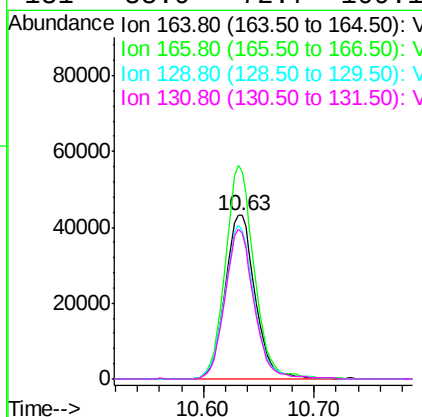
Manual Integrations
APPROVED

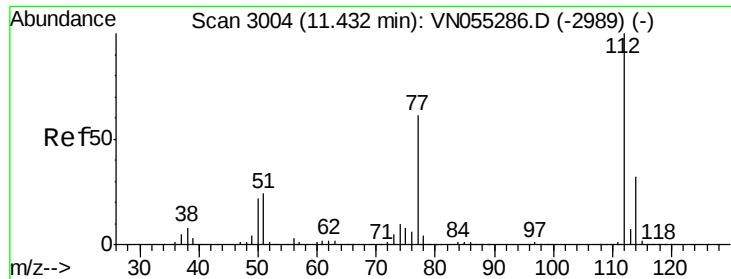
MMDadoda
5/8/2019 10:16:28 AM



#64
Tetrachloroethene
Concen: 21.314 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81783		
166	126.9	102.3	153.5	
129	91.0	75.0	112.6	
131	88.9	72.7	109.1	





#65

Chlorobenzene

Concen: 20.209 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion:112 Resp: 185389

Ion Ratio Lower Upper

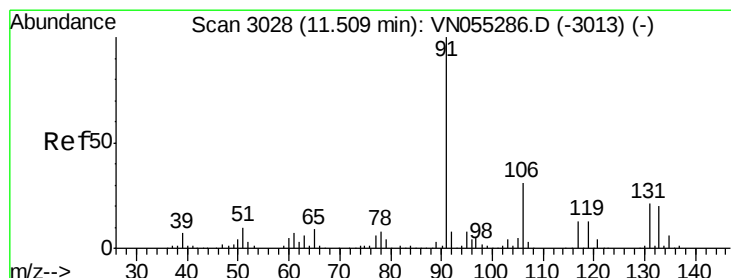
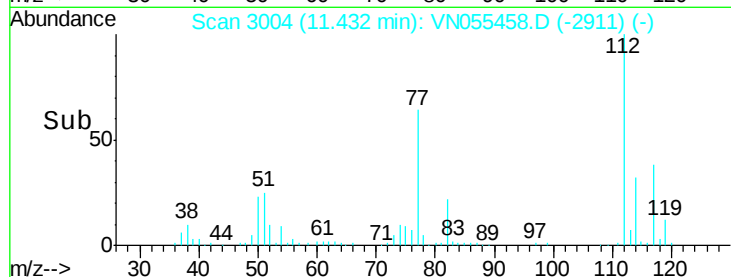
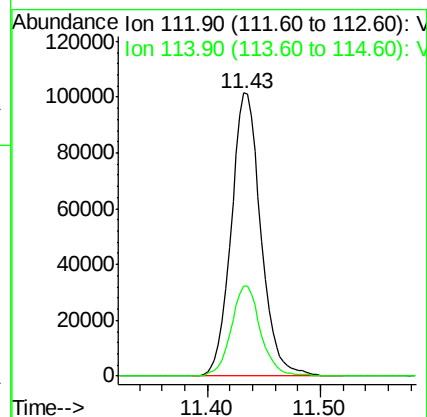
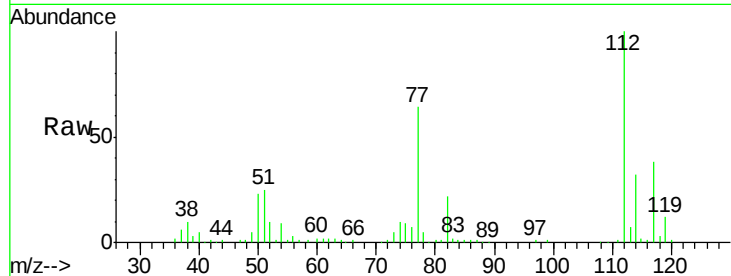
112 100

114 32.0 25.3 37.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.762 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

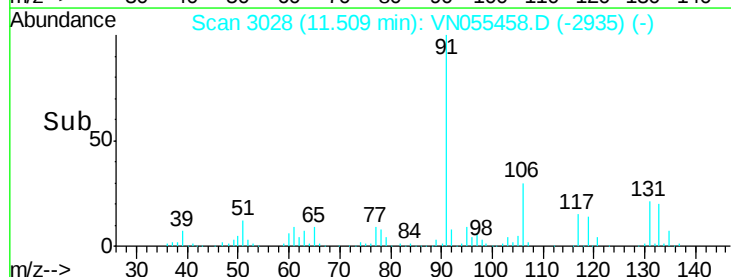
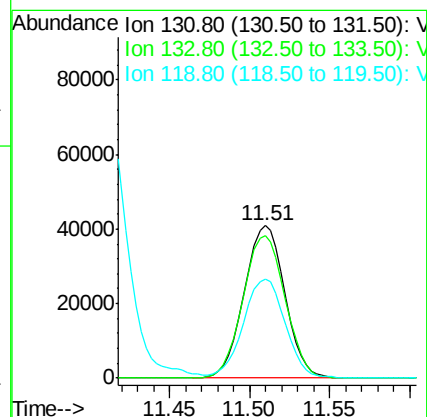
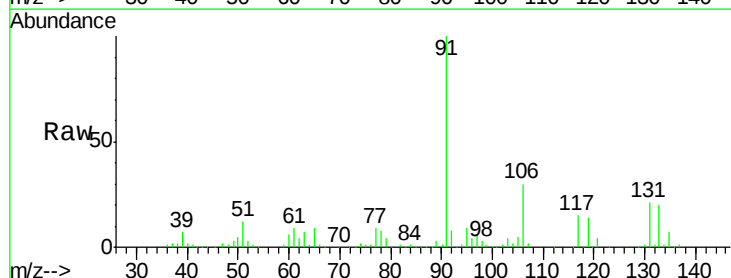
Tgt Ion:131 Resp: 70989

Ion Ratio Lower Upper

131 100

133 96.7 47.5 142.6

119 66.7 32.7 98.1





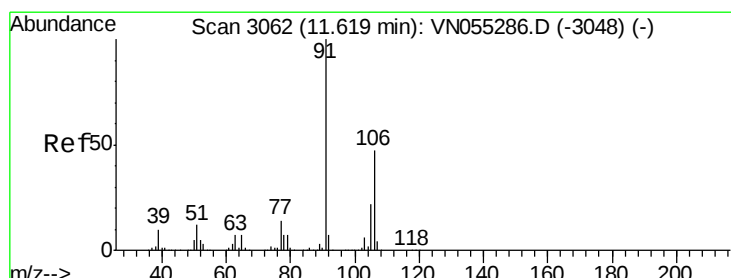
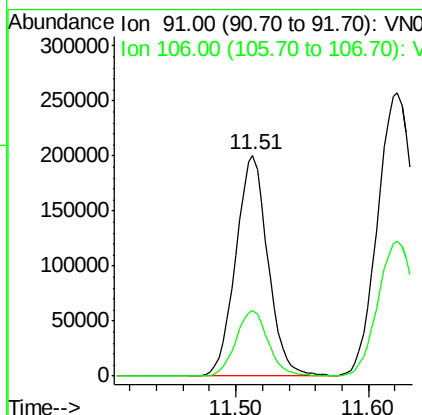
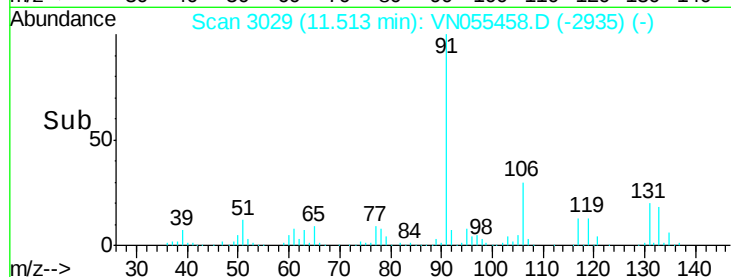
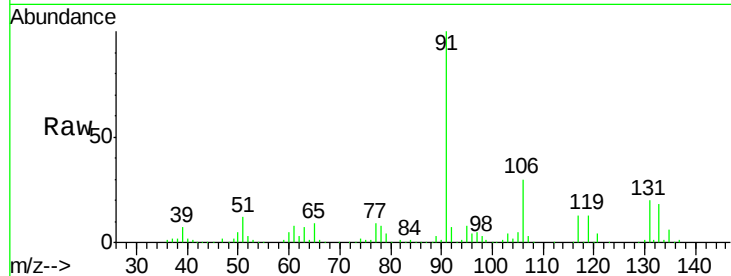
#67
Ethyl Benzene
Concen: 20.420 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion: 91 Resp: 338277
Ion Ratio Lower Upper
91 100
106 29.6 24.6 36.8

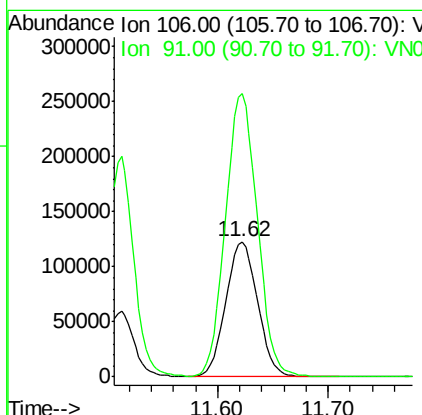
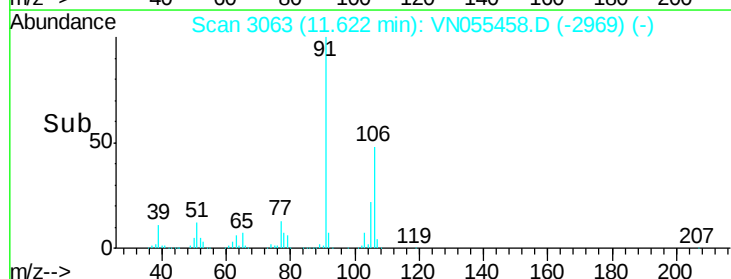
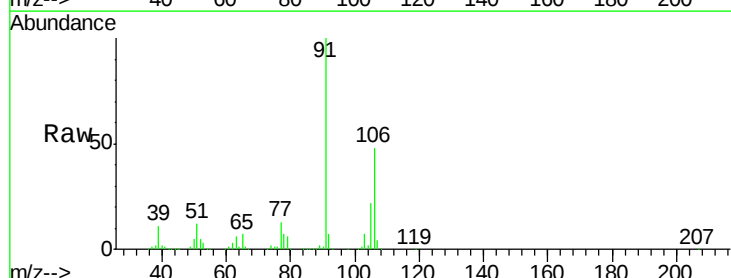
Manual Integrations
APPROVED

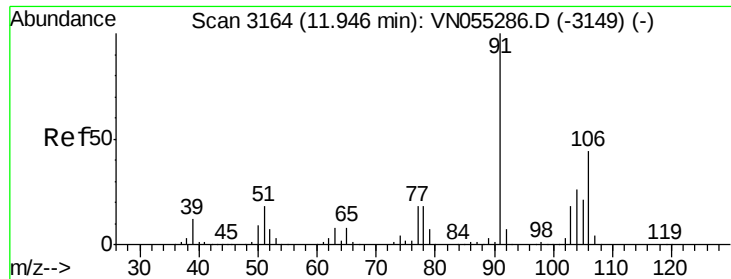
MMDadoda
5/8/2019 10:16:28 AM



#68
m/p-Xylenes
Concen: 41.659 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion: 106 Resp: 246333
Ion Ratio Lower Upper
106 100
91 209.0 169.5 254.3





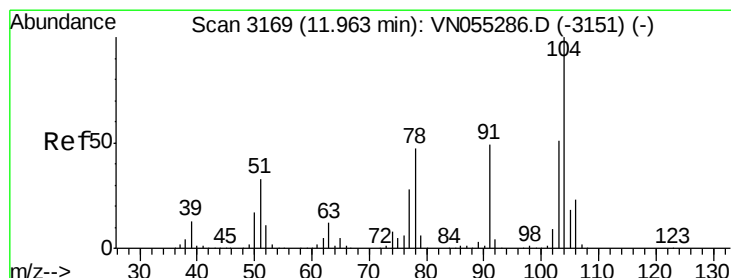
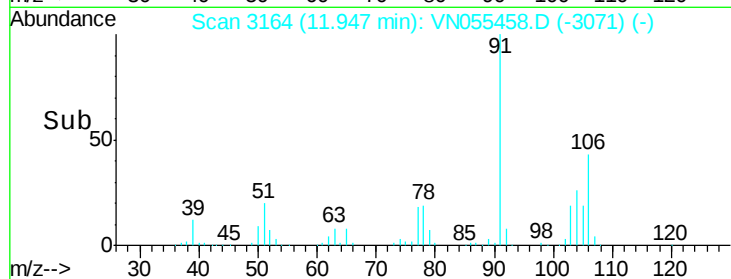
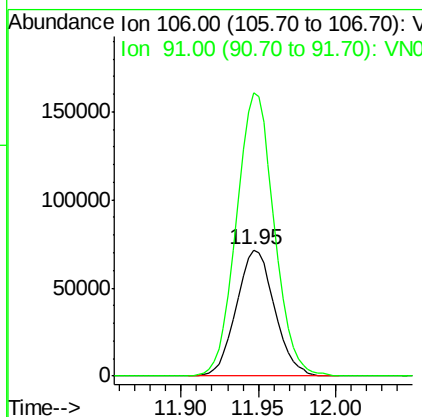
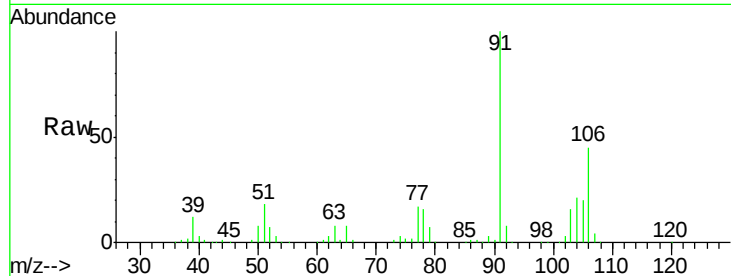
#69
o-Xylene
Concen: 20.955 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		122815		
91	221.7	111.5	334.5		

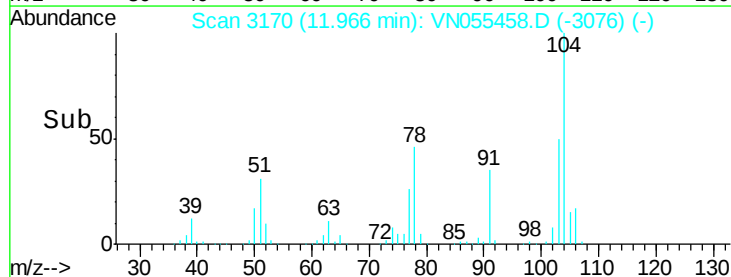
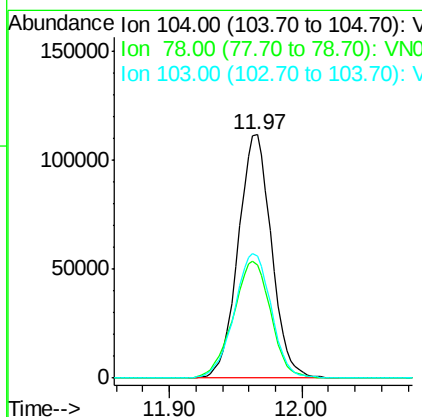
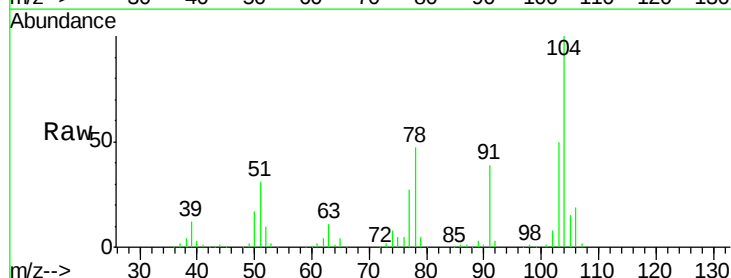
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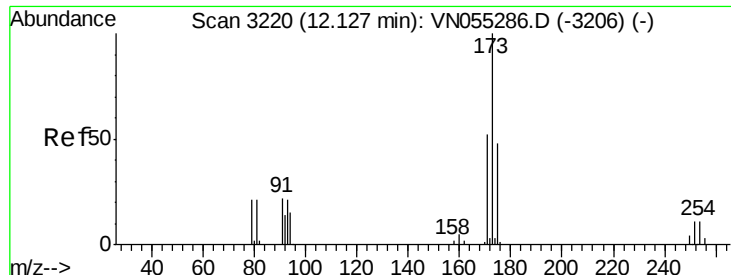
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#70
Styrene
Concen: 21.664 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		194950		
78	54.2	42.2	63.2		
103	57.0	44.6	67.0		





#71

Bromoform

Concen: 21.974 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion:173 Resp: 43799

Ion Ratio Lower Upper

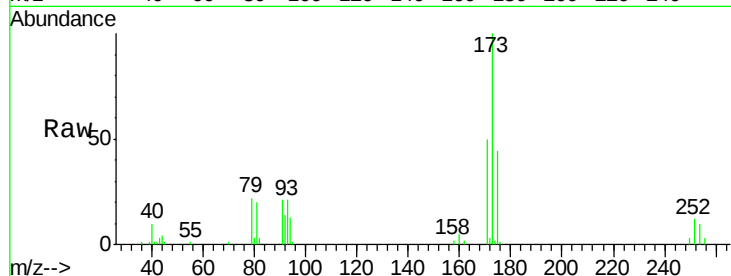
173 100

175 48.3 23.6 71.0

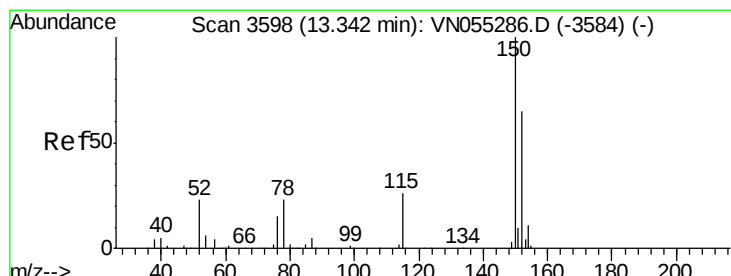
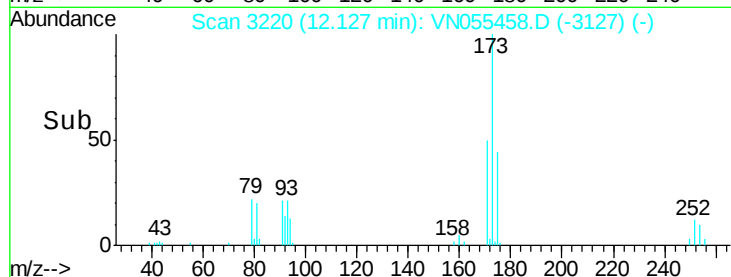
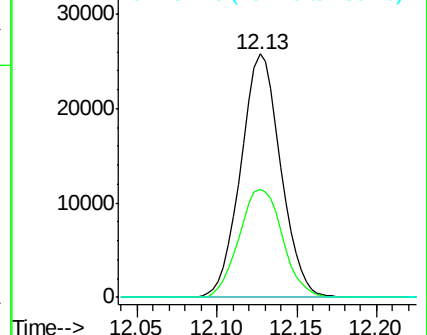
254 0.0 0.0 0.0

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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: VN055458.D

Acq: 8 May 2019 00:44

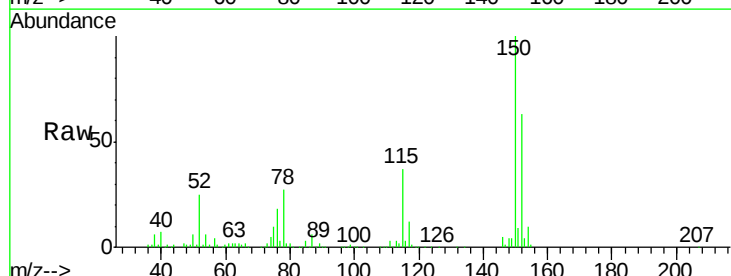
Tgt Ion:152 Resp: 176433

Ion Ratio Lower Upper

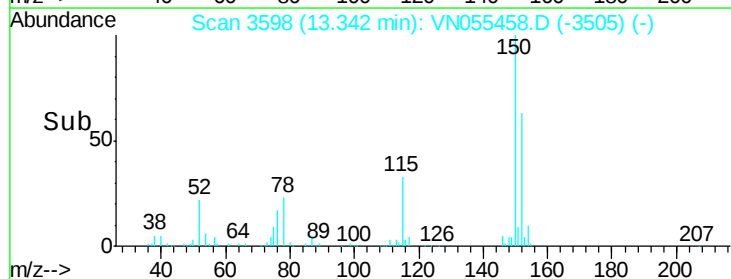
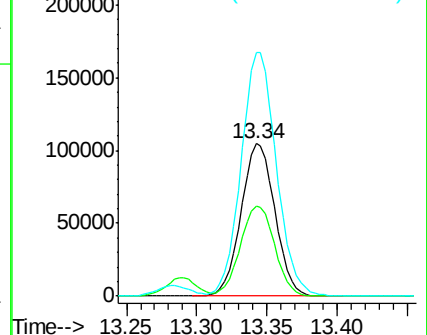
152 100

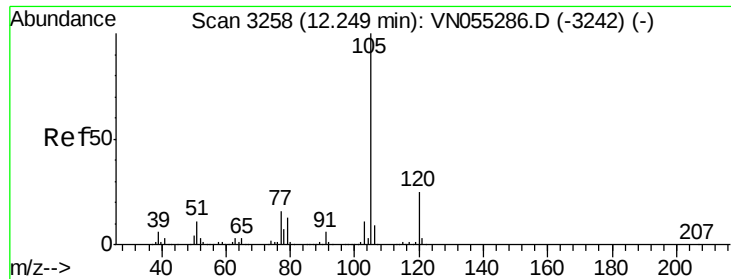
115 60.3 29.0 87.0

150 165.9 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





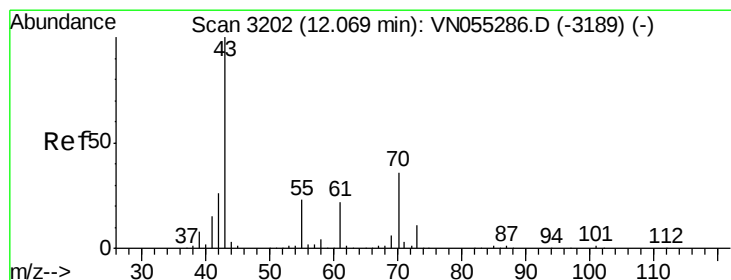
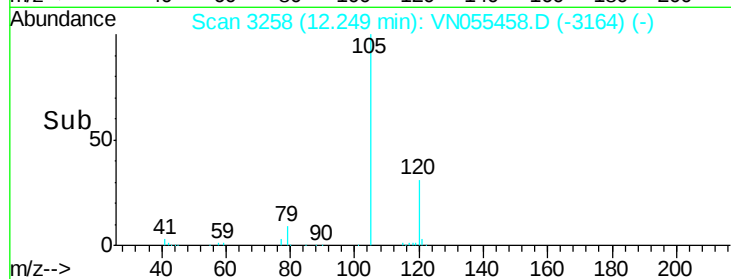
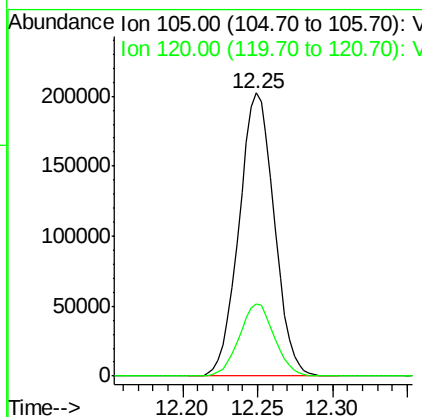
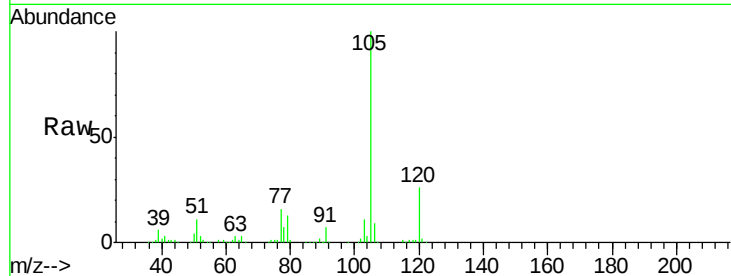
#73
Isopropylbenzene
Concen: 21.840 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.7

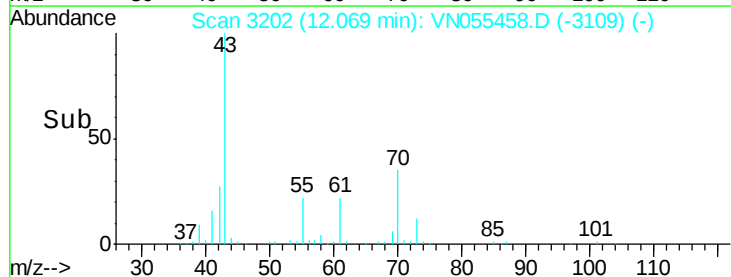
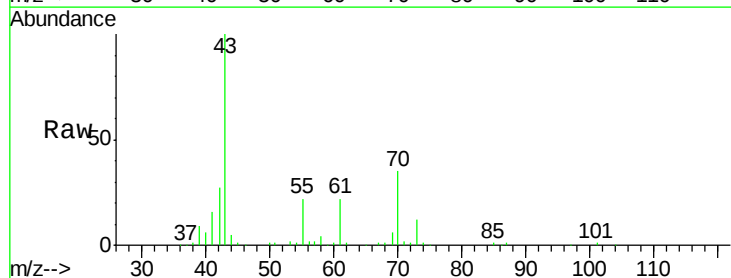
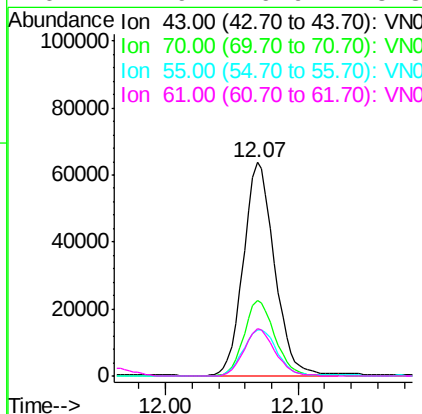
Manual Integrations
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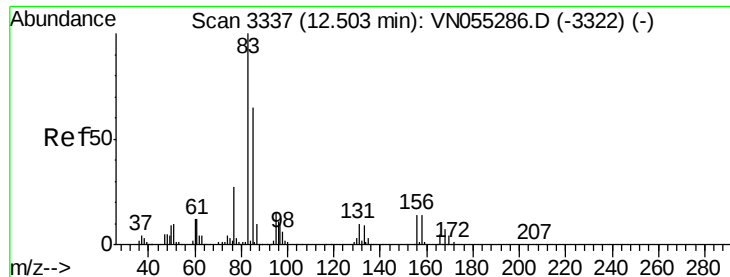
MMDadoda
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#74
N-ethyl acetate
Concen: 23.148 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.1	27.9	41.9
55	23.4	18.2	27.2
61	21.9	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 25.045 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

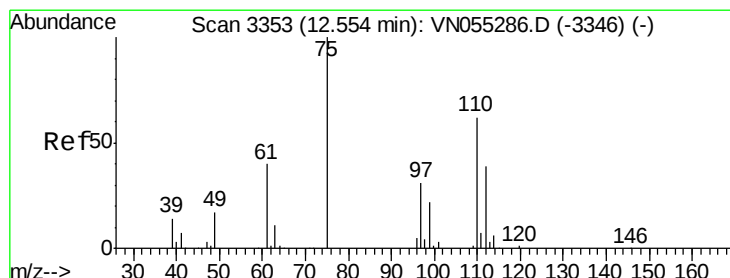
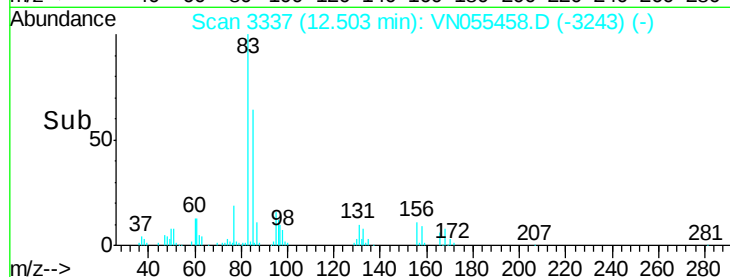
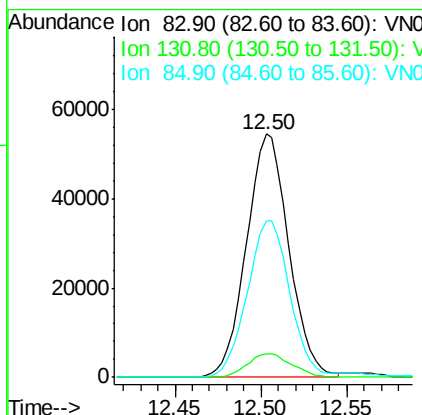
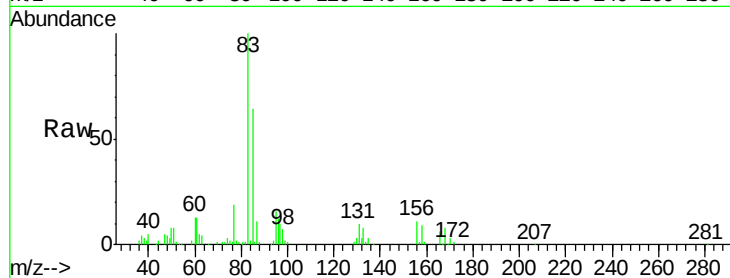
ClientSampleId :

VN0507MBSD01

Tot Ion:	83	Resp:	93099
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.2
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.508 ug/l m

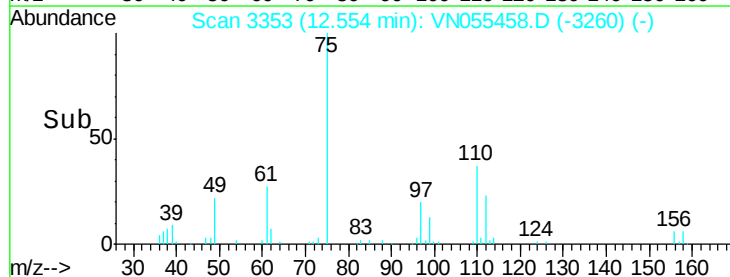
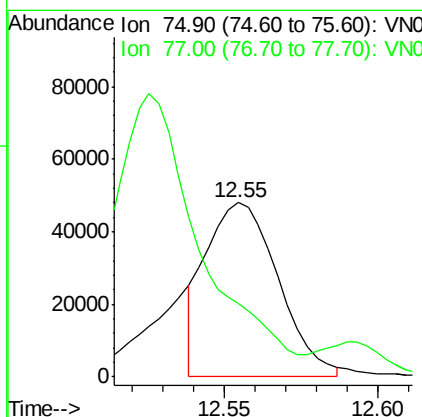
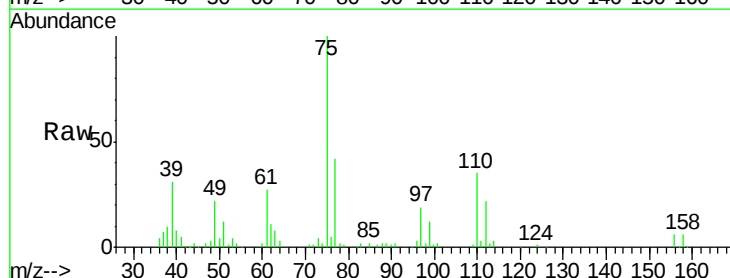
RT: 12.55 min Scan# 3353

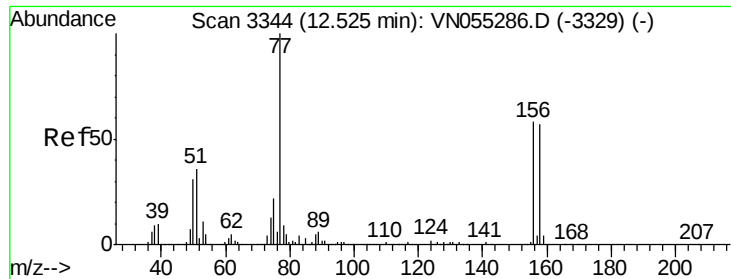
Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion:	75	Resp:	78354
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.610 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

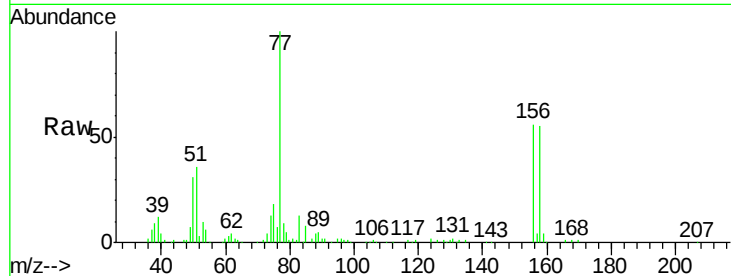
ClientSampled :

VN0507MBSD01

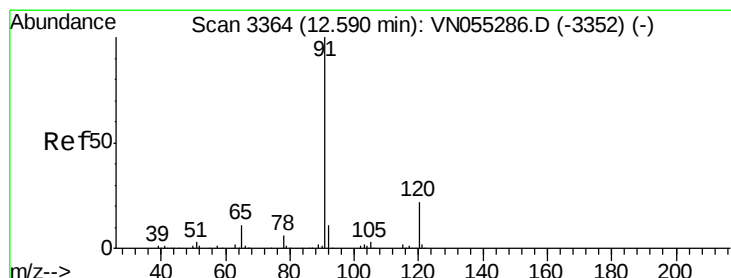
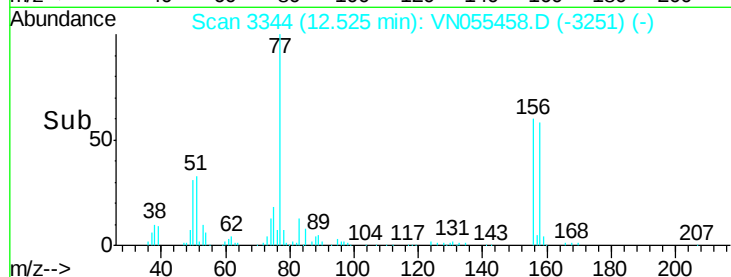
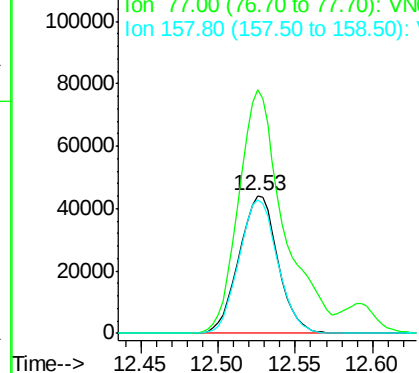
Tot Ion:	156	Resp:	76950
Ion Ratio	Lower	Upper	
156	100		
77	205.7	99.6	298.8
158	96.7	49.3	147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.471 ug/l

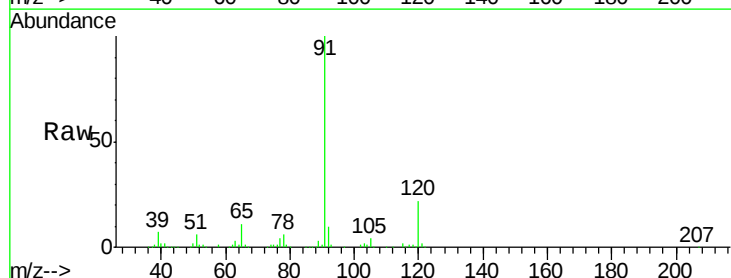
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

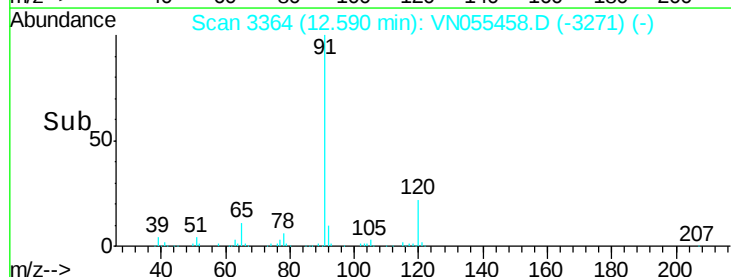
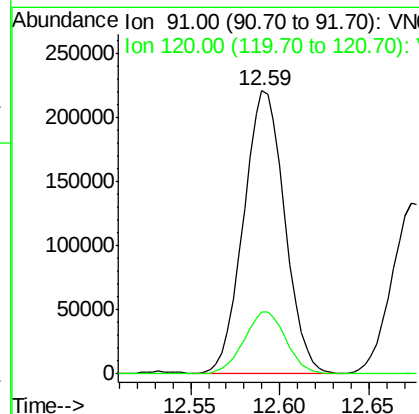
Lab File: VN055458.D

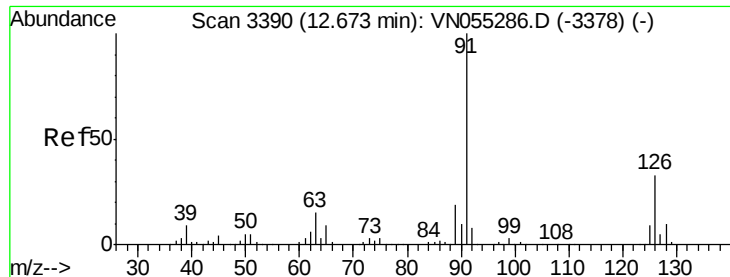
Acq: 8 May 2019 00:44

Tgt Ion:	91	Resp:	352878
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.943 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampled :

VN0507MBSD01

Tot Ion: 91 Resp: 224101

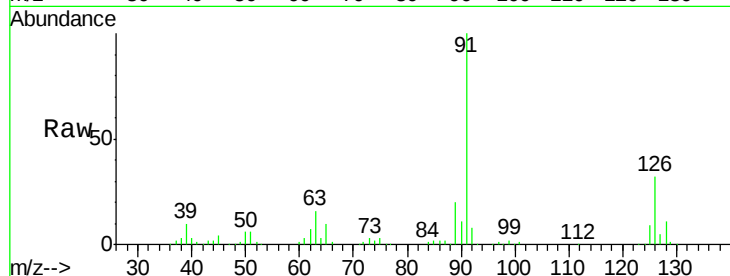
Ion Ratio Lower Upper

91 100

126 32.3 16.6 49.7

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Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)

200000

150000

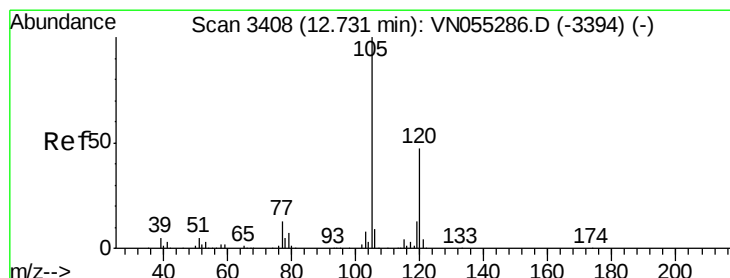
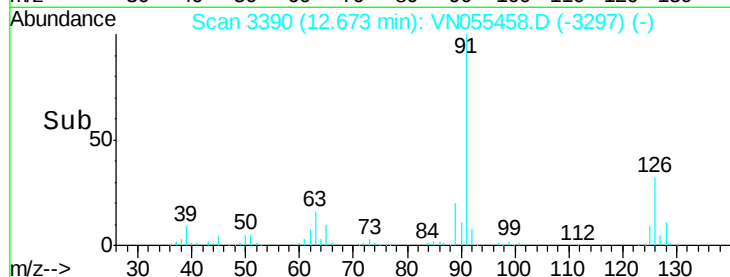
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.141 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055458.D

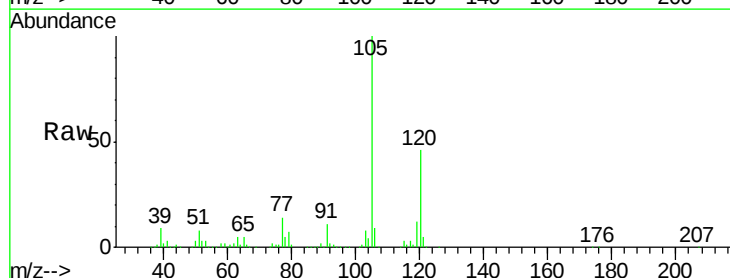
Acq: 8 May 2019 00:44

Tgt Ion: 105 Resp: 278590

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)

200000

150000

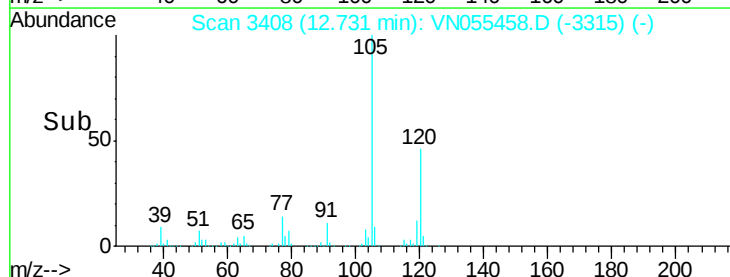
100000

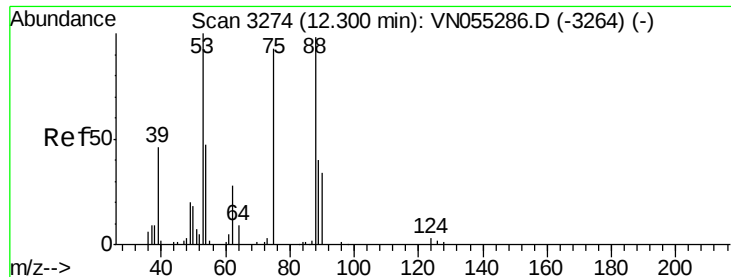
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.513 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

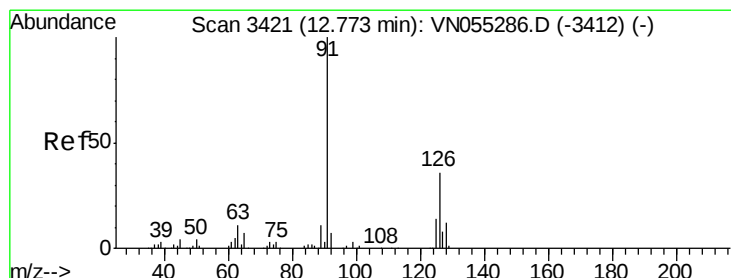
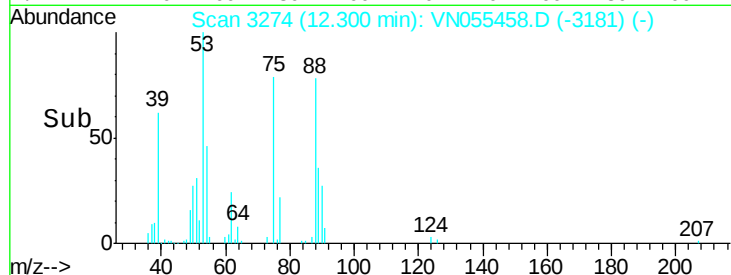
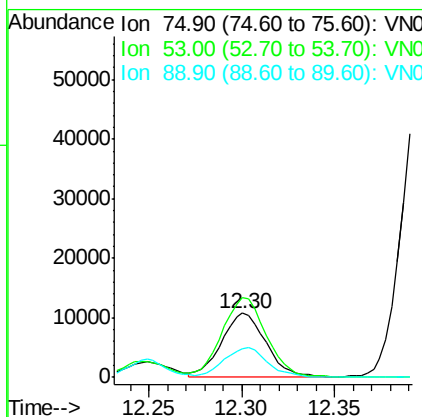
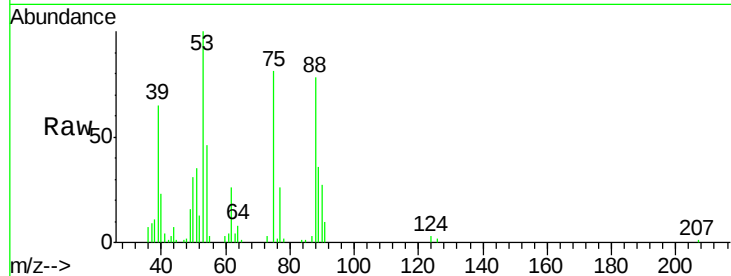
ClientSampled :

VN0507MBSD01

Tot Ion:	75	Resp:	18167
Ion	Ratio	Lower	Upper
75	100		
53	122.8	86.3	129.5
89	44.3	34.6	51.8

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#82

4-Chlorotoluene

Concen: 19.952 ug/l

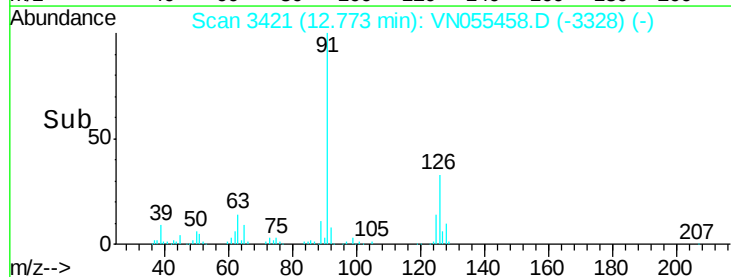
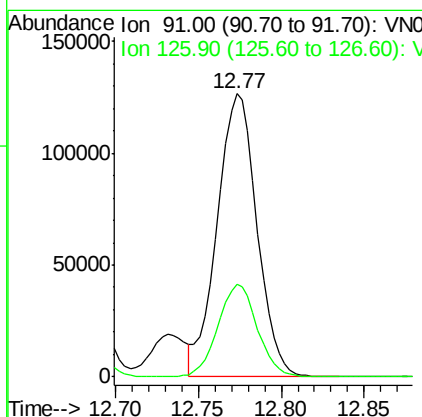
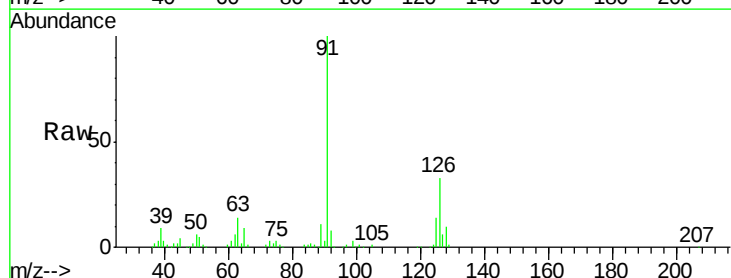
RT: 12.77 min Scan# 3421

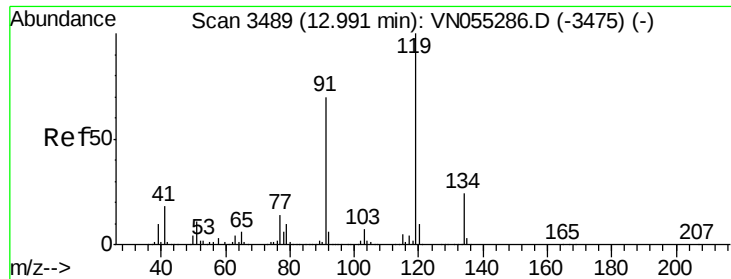
Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion:	91	Resp:	210243
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.7





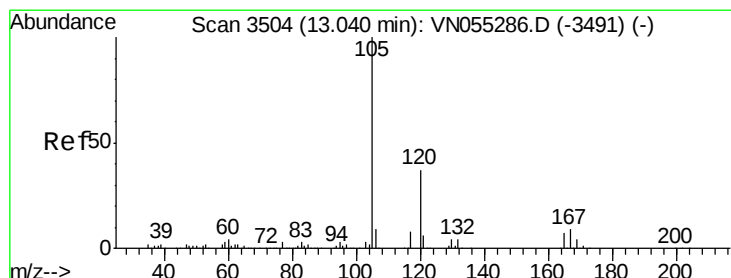
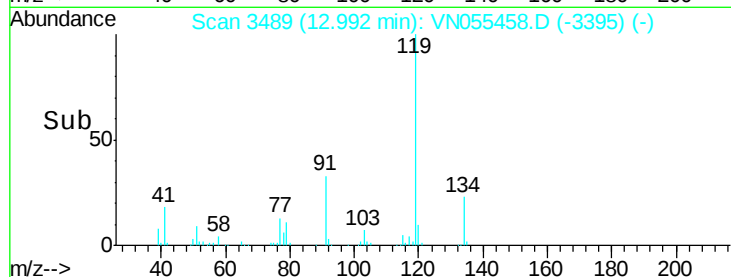
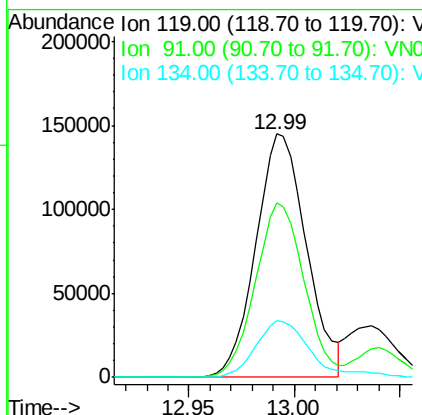
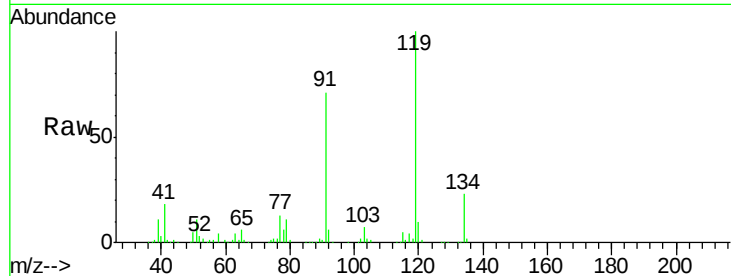
#83
tert-Butylbenzene
Concen: 23.134 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampled :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.3	102.9
134	25.0	13.1	39.3

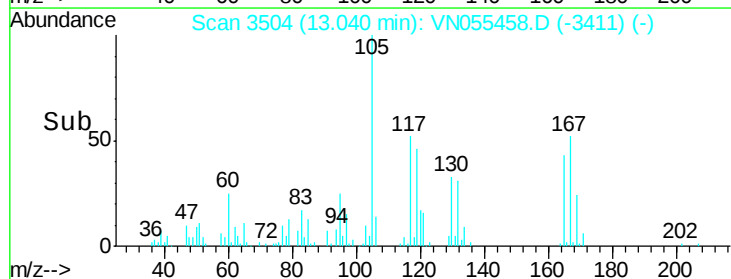
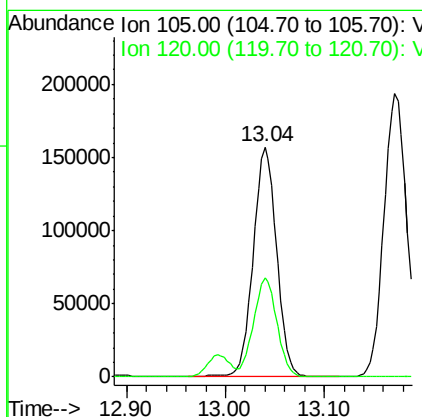
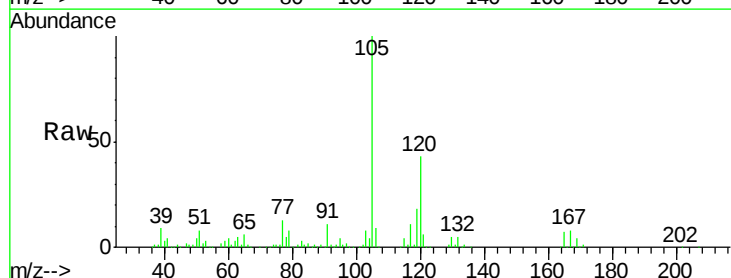
Manual Integrations
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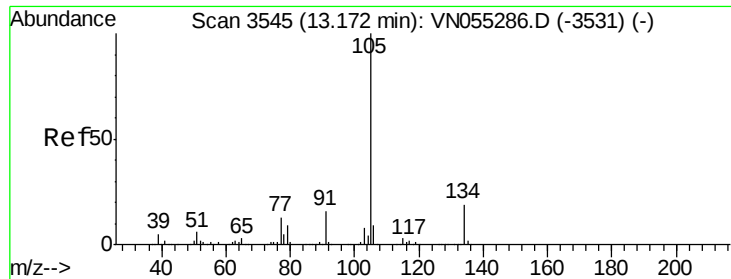
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.739 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 20.698 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

ClientSampleId :

VN0507MBSD01

Tot Ion:105 Resp: 311176

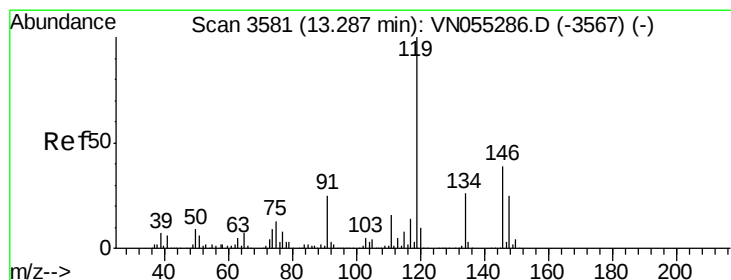
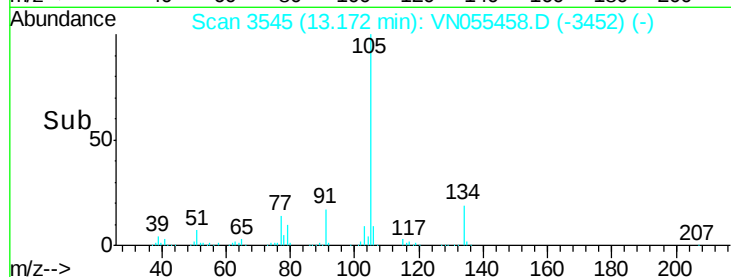
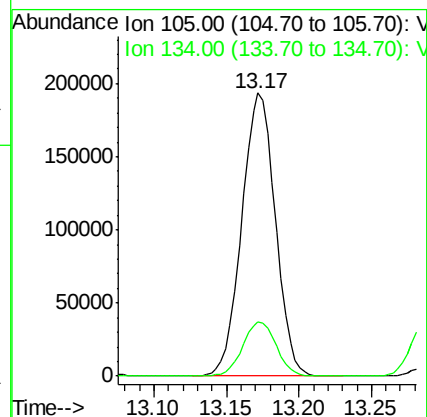
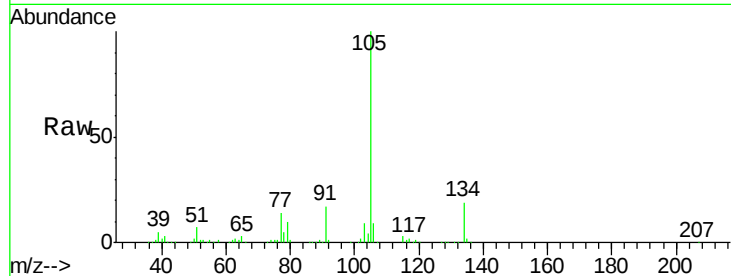
Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 20.591 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

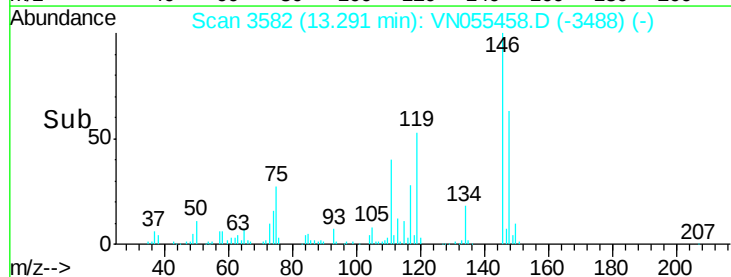
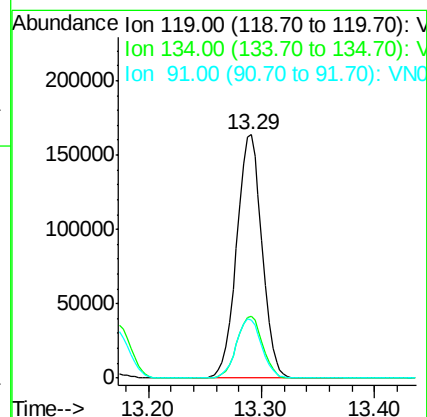
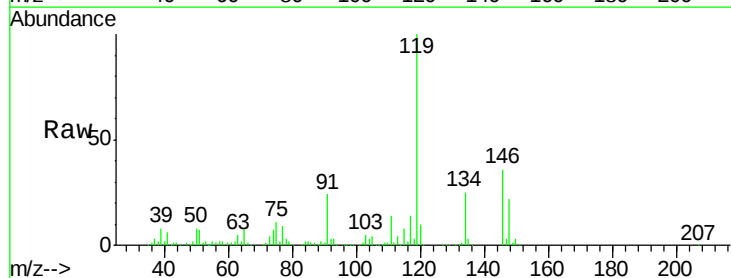
Tgt Ion:119 Resp: 254427

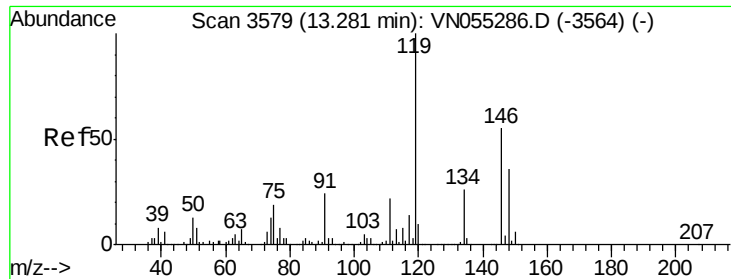
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 24.6 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 20.119 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

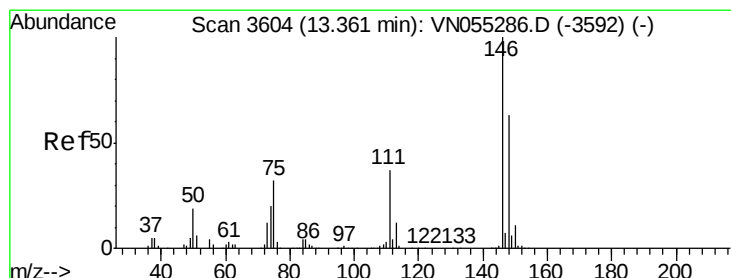
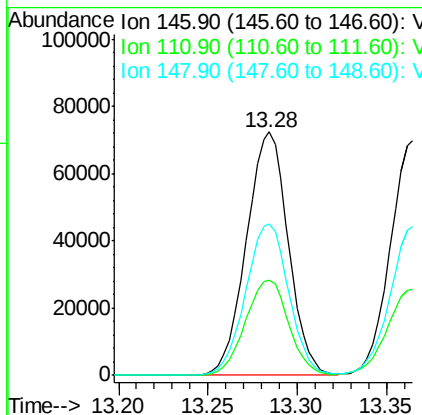
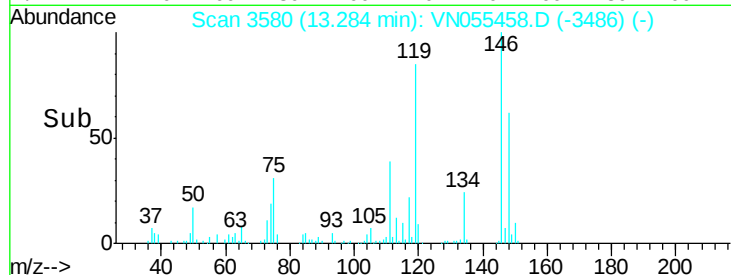
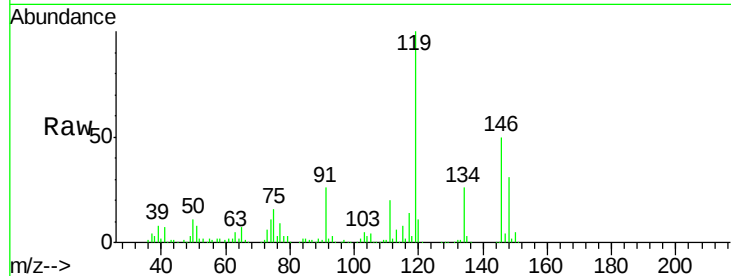
ClientSampleId :

VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	63.9	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 20.450 ug/l

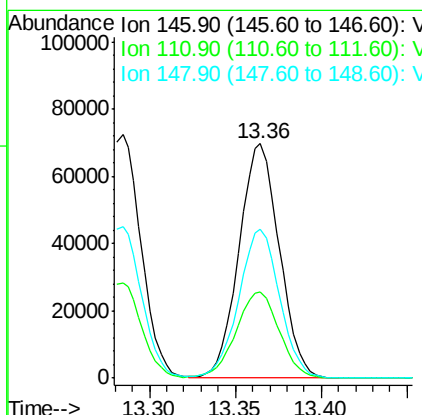
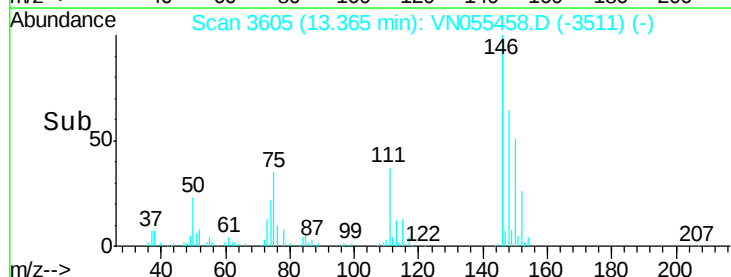
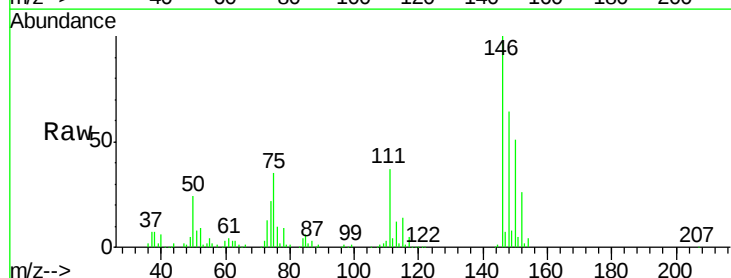
RT: 13.36 min Scan# 3605

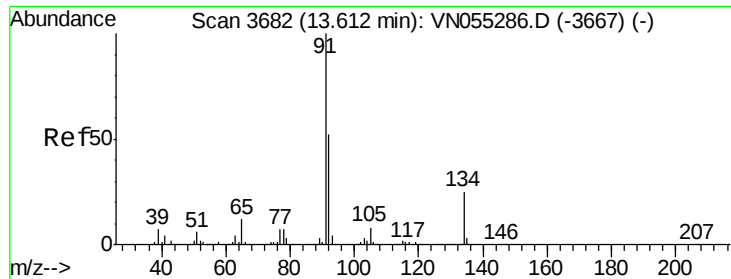
Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	64.6	32.5	97.4





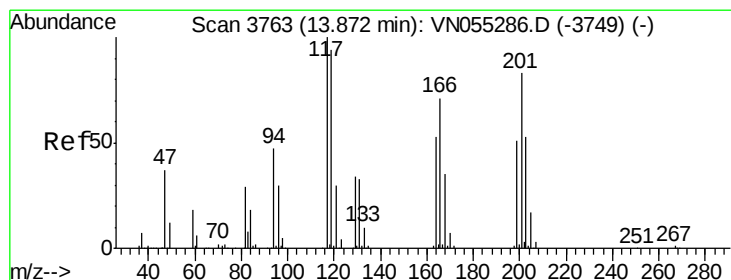
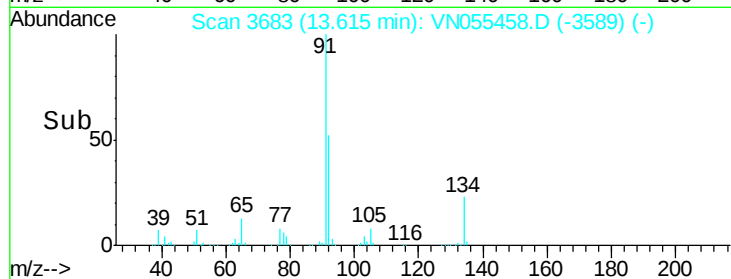
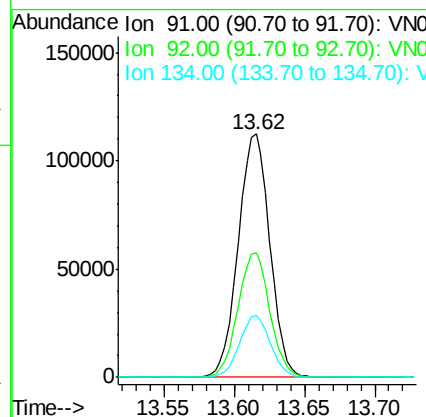
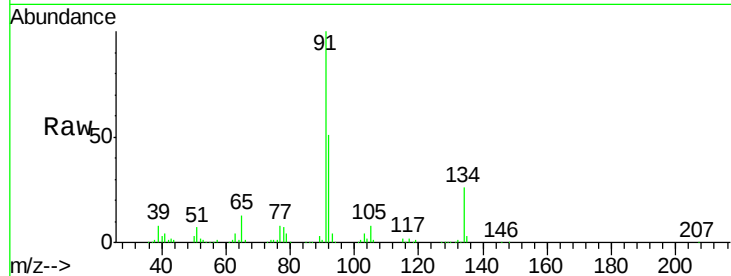
#89
n-Butylbenzene
Concen: 20.127 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Instrument :
MSVOA_N
ClientSampleId :
VN0507MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	24.8	12.4	37.4

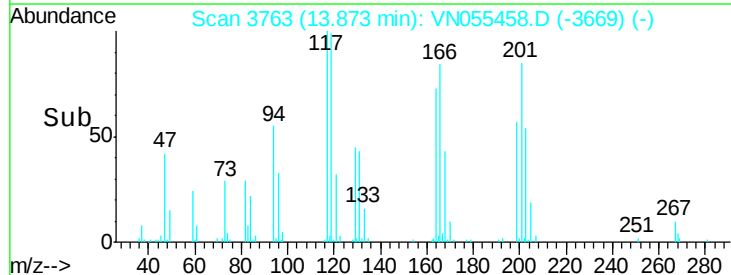
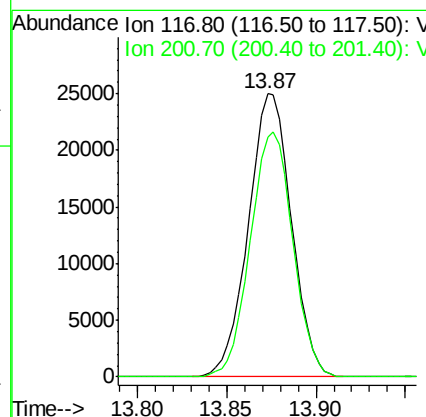
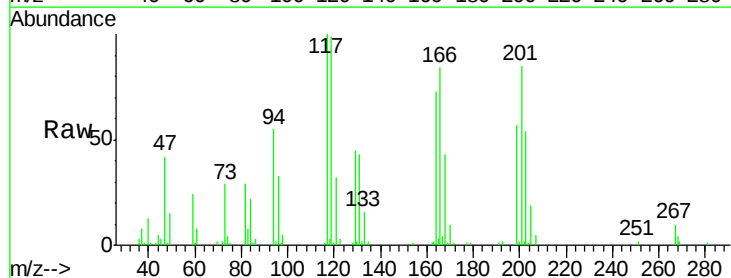
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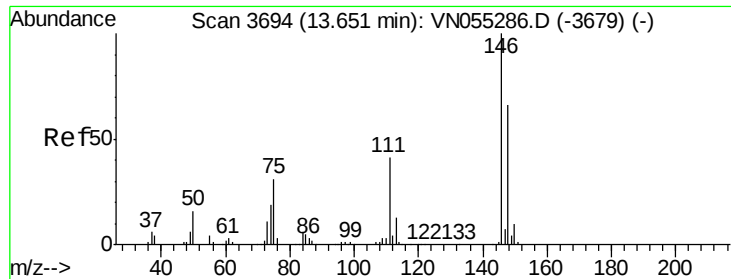
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5/8/2019 10:16:28 AM



#90
Hexachloroethane
Concen: 20.608 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055458.D
Acq: 8 May 2019 00:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	41.9	125.8





#91

1,2-Dichlorobenzene

Concen: 21.343 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

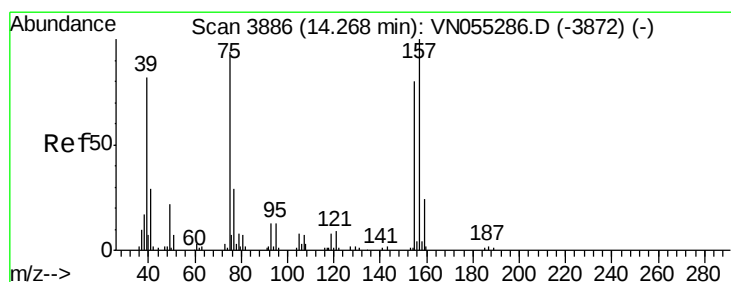
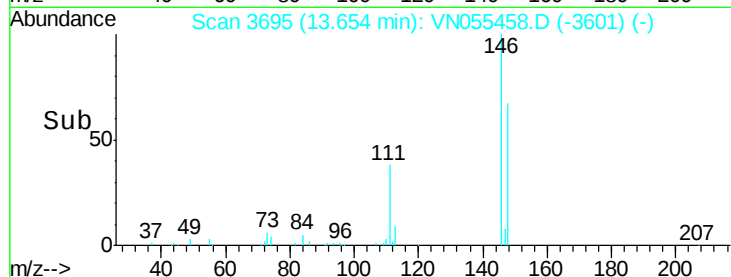
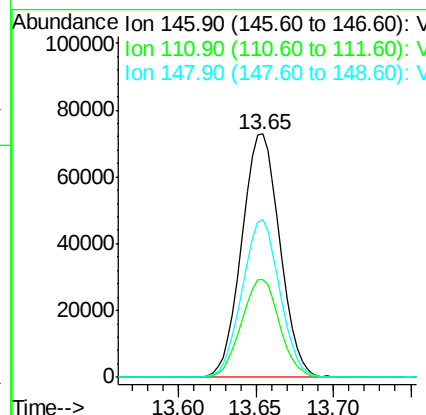
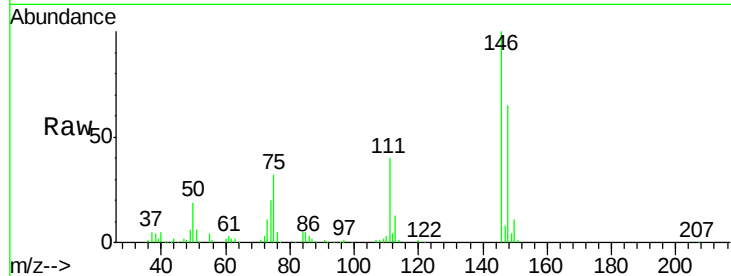
ClientSampled :

VN0507MBSD01

Tot Ion:	146	Resp:	124888
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.3	61.0
148	63.9	32.4	97.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 27.333 ug/l

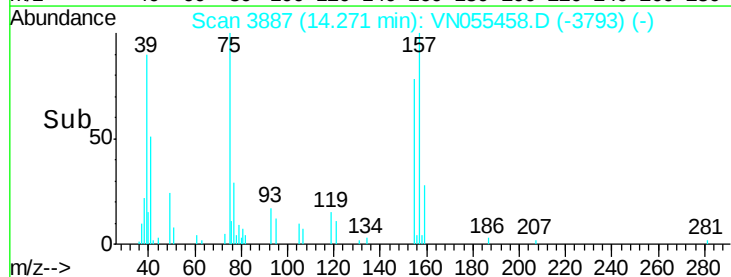
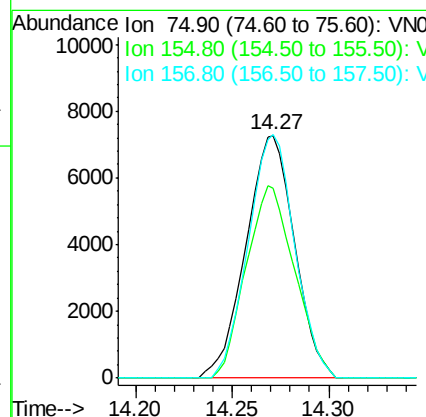
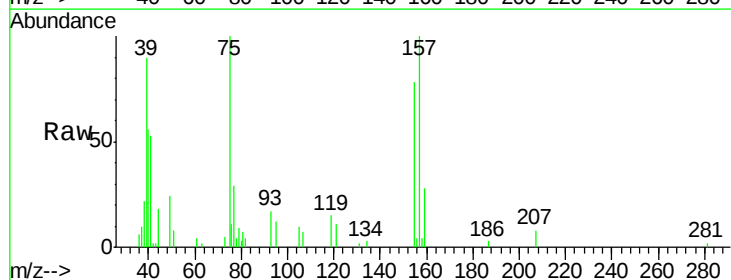
RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion:	75	Resp:	12687
Ion Ratio	Lower	Upper	
75	100		
155	79.3	41.5	124.6
157	96.2	54.0	162.2





#93

1,2,4-Trichlorobenzene

Concen: 18.629 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

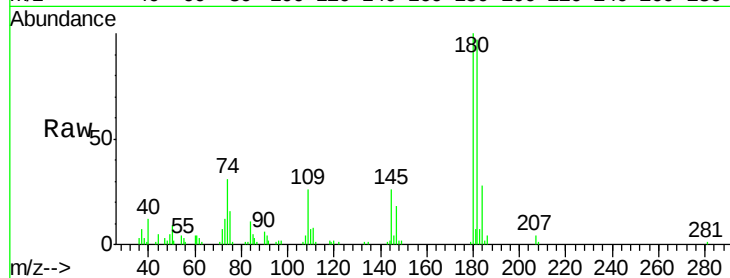
ClientSampleId :

VN0507MBSD01

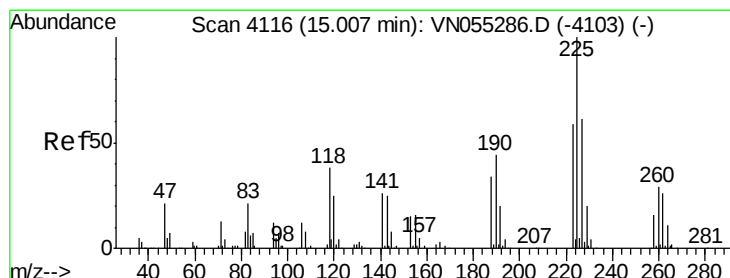
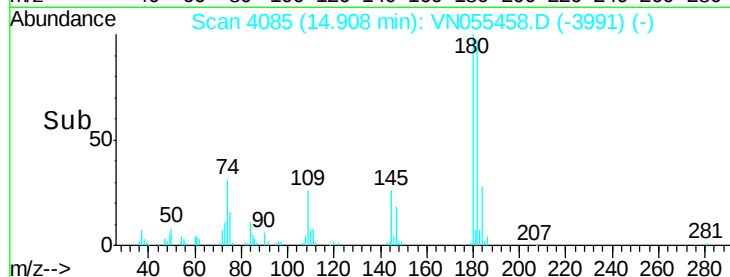
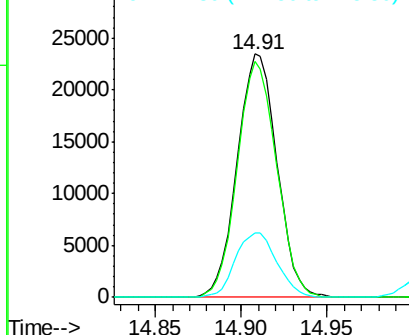
Tot Ion:	180	Resp:	37843
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.3	144.9
145	27.6	14.2	42.6

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:16:28 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 22.663 ug/l

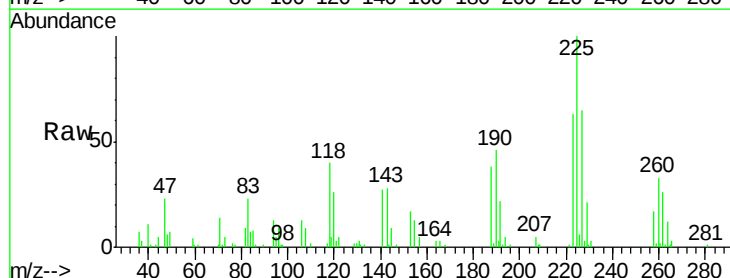
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

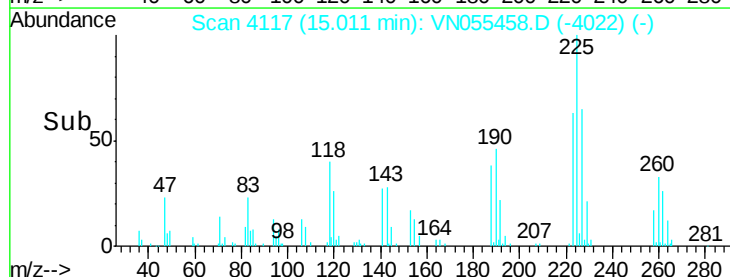
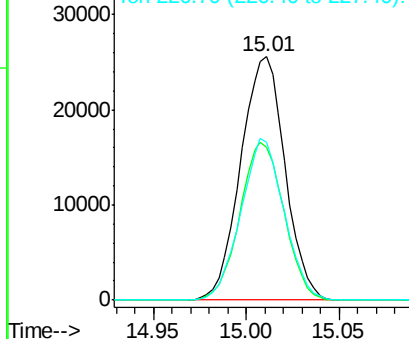
Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion:	225	Resp:	42599
Ion Ratio	Lower	Upper	
225	100		
223	64.2	30.3	90.8
227	64.7	30.9	92.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.696 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Instrument :

MSVOA_N

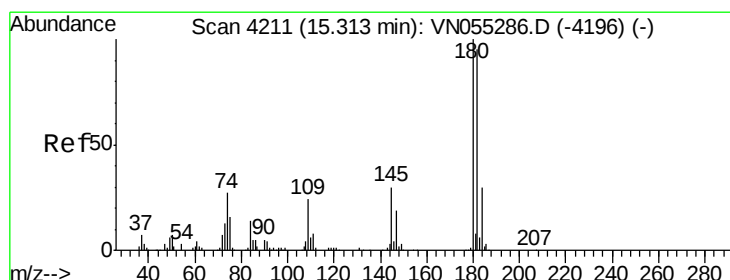
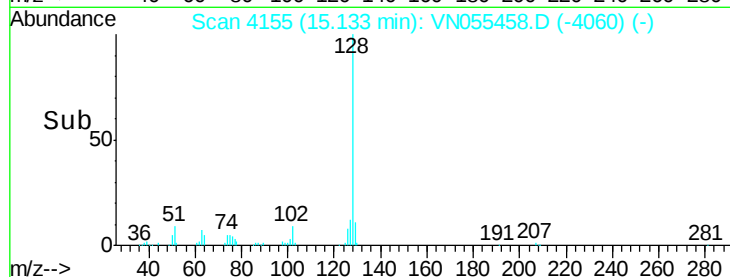
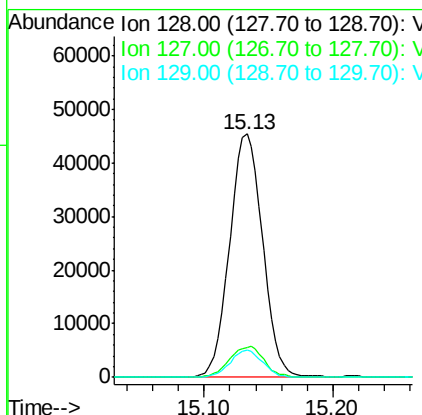
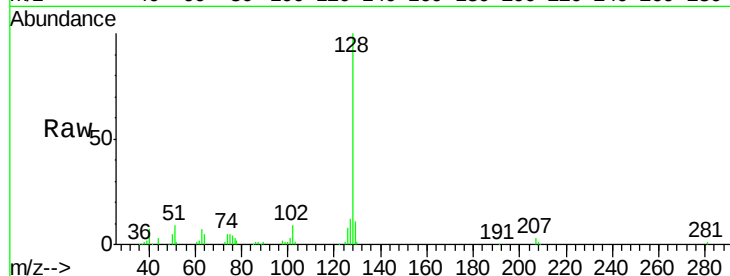
ClientSampled :

VN0507MBSD01

Tot Ion:128	Resp:	80741
Ion Ratio	Lower	Upper
128	100	
127	13.3	10.7 16.1
129	10.8	8.6 13.0

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:16:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.801 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055458.D

Acq: 8 May 2019 00:44

Tgt Ion:180	Resp:	43598
Ion Ratio	Lower	Upper
180	100	
182	93.3	48.3 144.9
145	30.9	15.2 45.6

