

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055420.D
 Acq On : 6 May 2019 17:04
 Operator : JC/SP
 Sample : VN0506MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2019 1:22:47 PM

Quant Time: May 07 02:19:46 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	374873	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	624616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	241939	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	7.59	113	188703	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
50) Toluene-d8	10.09	98	672591	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.40	95	213120	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	86106	18.747	ug/l	100
3) Chloromethane	2.06	50	93763	16.486	ug/l	97
4) Vinyl Chloride	2.19	62	83176	18.143	ug/l	99
5) Bromomethane	2.56	94	47016	19.361	ug/l	96
6) Chloroethane	2.71	64	46687	18.799	ug/l	99
7) Trichlorofluoromethane	3.02	101	125536	19.257	ug/l	99
8) Diethyl Ether	3.41	74	48590	21.305	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	75281	19.393	ug/l	100
10) Methyl Iodide	3.96	142	98698	18.066	ug/l	99
11) Tert butyl alcohol	4.79	59	32602	116.113	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	70352	18.998	ug/l	99
13) Acrolein	3.61	56	14040	64.028	ug/l	97
14) Allyl chloride	4.33	41	152532	19.888	ug/l	99
15) Acrylonitrile	4.99	53	171430	108.622	ug/l	99
16) Acetone	3.82	43	135052	88.380	ug/l	98
17) Carbon Disulfide	4.06	76	153920	15.927	ug/l	99
18) Methyl Acetate	4.33	43	89803	23.577	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	229301	22.026	ug/l	100
20) Methylene Chloride	4.56	84	85825	18.401	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	72645	18.523	ug/l	98
22) Diisopropyl ether	5.96	45	326951	21.455	ug/l	95
23) Vinyl Acetate	5.90	43	1061315	106.266	ug/l	99
24) 1,1-Dichloroethane	5.85	63	164034	20.203	ug/l	99
25) 2-Butanone	6.84	43	205574	105.195	ug/l	99
26) 2,2-Dichloropropane	6.83	77	100146	17.862	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	90052	20.191	ug/l	99
28) Bromochloromethane	7.20	49	81107	19.818	ug/l	98
29) Tetrahydrofuran	7.22	42	146349	116.954	ug/l	97
30) Chloroform	7.37	83	156054	20.275	ug/l	100
31) Cyclohexane	7.65	56	148421	19.240	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	123885	19.832	ug/l	100
36) 1,1-Dichloropropene	7.80	75	109044	18.226	ug/l	98
37) Ethyl Acetate	6.93	43	90870	19.817	ug/l	99
38) Carbon Tetrachloride	7.77	117	103725	17.973	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	120663	18.969	ug/l	98
40) Benzene	8.04	78	332986	18.880	ug/l	98
41) Methacrylonitrile	7.18	41	47429	19.569	ug/l	93
42) 1,2-Dichloroethane	8.13	62	119441	19.121	ug/l	99
43) Isopropyl Acetate	8.17	43	158966	21.572	ug/l #	88
44) Trichloroethene	8.84	130	84237	18.735	ug/l	99
45) 1,2-Dichloropropane	9.12	63	99076	19.477	ug/l	99
46) Dibromomethane	9.21	93	52095	18.736	ug/l	95
47) Bromodichloromethane	9.40	83	115767	19.408	ug/l	96
48) Methyl methacrylate	9.20	41	70940	19.583	ug/l	96
49) 1,4-Dioxane	9.21	88	15991	427.020	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	438158	105.610	ug/l	100
52) Toluene	10.16	92	193096	19.081	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	96097	18.558	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	123030	19.056	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	76096	20.250	ug/l	99
56) Ethyl methacrylate	10.43	69	92424	19.982	ug/l	96
57) 1,3-Dichloropropane	10.71	76	135053	20.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	100509	78.950	ug/l	99
59) 2-Hexanone	10.75	43	277139	106.762	ug/l	97
60) Dibromochloromethane	10.90	129	76837	20.006	ug/l	99
61) 1,2-Dibromoethane	11.01	107	67462	19.423	ug/l	98
64) Tetrachloroethene	10.63	164	83344	19.951	ug/l	98
65) Chlorobenzene	11.43	112	192475	19.272	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	75691	19.355	ug/l	99
67) Ethyl Benzene	11.51	91	355809	19.729	ug/l	100
68) m/p-Xylenes	11.62	106	259415	40.297	ug/l	96
69) o-Xylene	11.95	106	130337	20.427	ug/l	96
70) Styrene	11.96	104	202803	20.701	ug/l	99
71) Bromoform	12.13	173	44826	20.657	ug/l #	98
73) Isopropylbenzene	12.25	105	348404	20.301	ug/l	100
74) N-amyl acetate	12.07	43	98477	19.436	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	90217	21.234	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	73036m	18.307	ug/l	
77) Bromobenzene	12.53	156	79766	19.850	ug/l	98
78) n-propylbenzene	12.59	91	373673	18.426	ug/l	99
79) 2-Chlorotoluene	12.67	91	237325	20.616	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	290359	18.760	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18725	17.974	ug/l	89
82) 4-Chlorotoluene	12.77	91	218074	18.495	ug/l	98
83) tert-Butylbenzene	12.99	119	254369	21.564	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	267094	19.296	ug/l	100
85) sec-Butylbenzene	13.17	105	319531	18.994	ug/l	100
86) p-Isopropyltoluene	13.29	119	268583	19.425	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	124018	18.773	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	118678	19.076	ug/l	98
89) n-Butylbenzene	13.61	91	190795	19.419	ug/l	98
90) Hexachloroethane	13.87	117	45849	19.997	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	127151	19.419	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12421	23.915	ug/l	90

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Instrument :
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	40628	18.008	ug/l	95
94) Hexachlorobutadiene	15.01	225	46333	21.946	ug/l	97
95) Naphthalene	15.13	128	79657	16.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	43060	18.666	ug/l	97

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

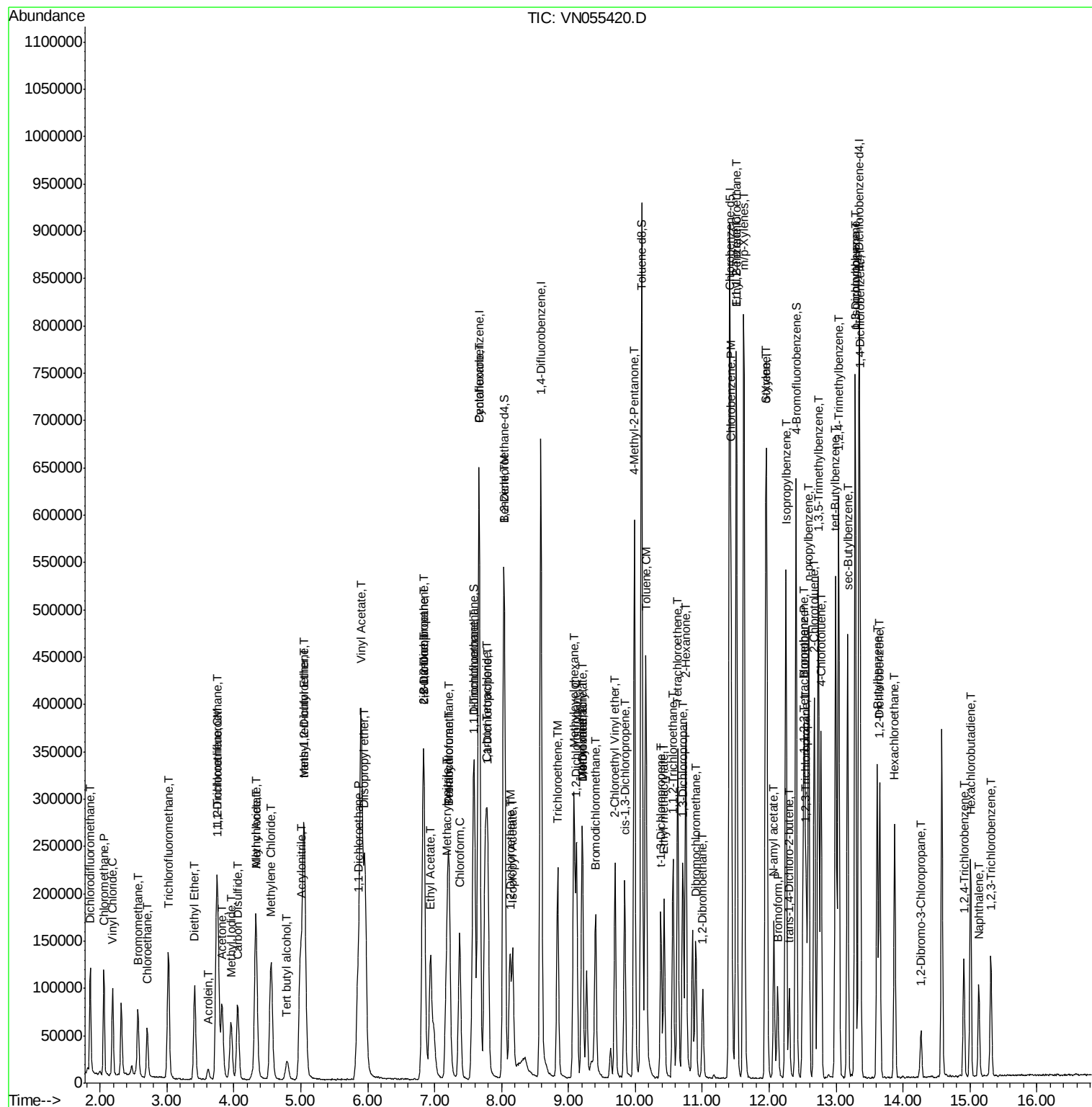
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Data File : VN055420.D
Acq On : 6 May 2019 17:04
Operator : JC/SP
Sample : VN0506MBS01
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 17 Sample Multiplier: 1

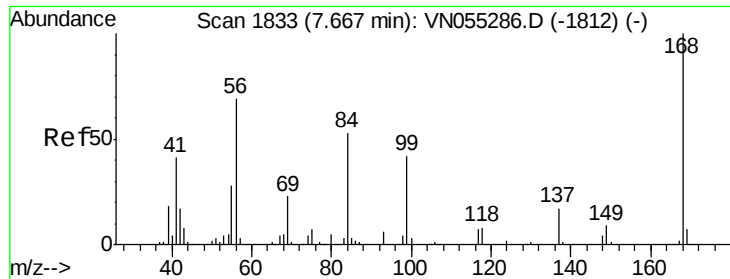
Instrument :
MSVOA_N
Client Sample ID :
VN0506MBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion:168 Resp: 374873

Ion Ratio Lower Upper

168 100

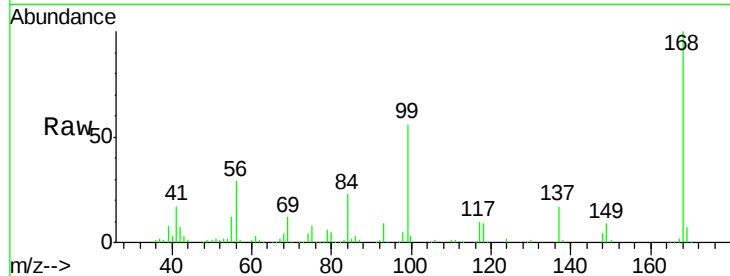
99 55.2 43.6 65.4

Manual Integrations

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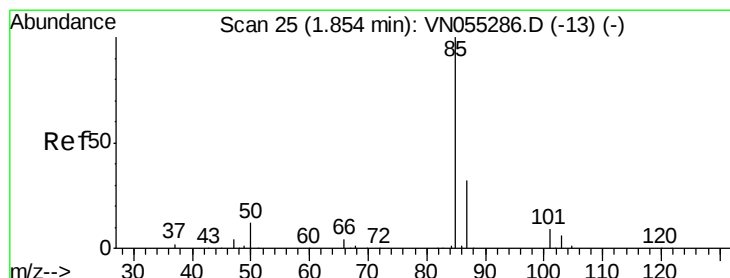
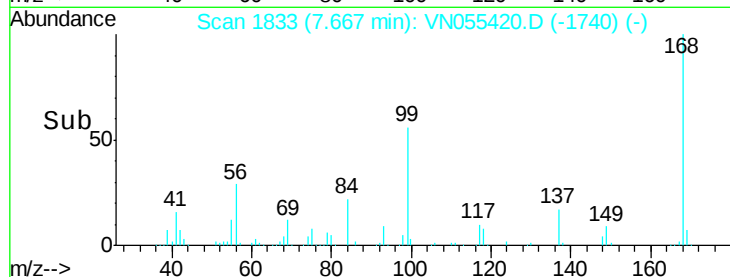
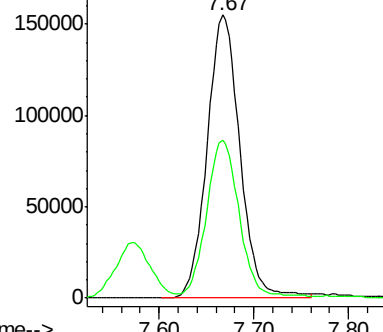
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.747 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055420.D

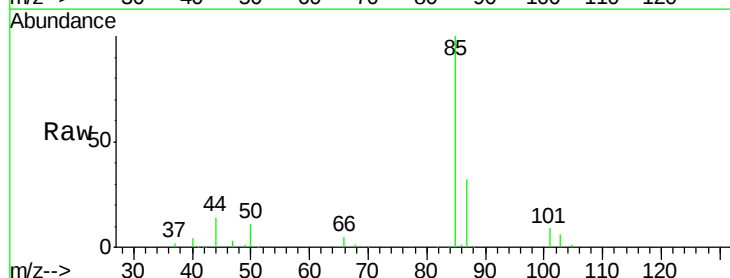
Acq: 6 May 2019 17:04

Tgt Ion: 85 Resp: 86106

Ion Ratio Lower Upper

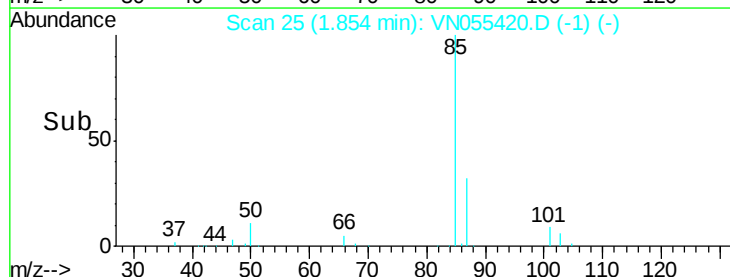
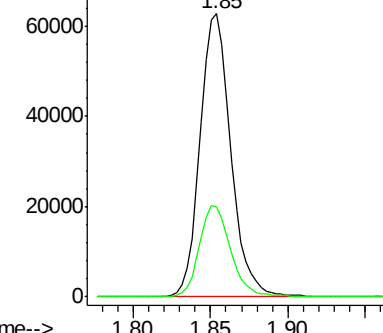
85 100

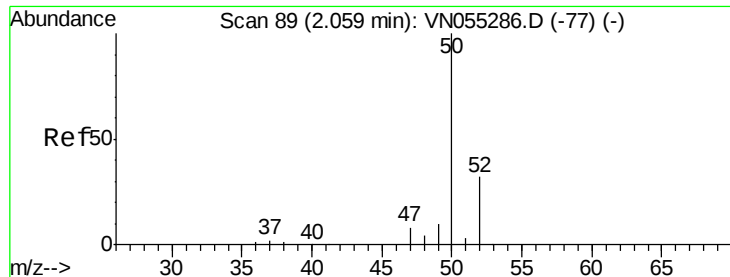
87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.486 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion: 50 Resp: 93763

Ion Ratio Lower Upper

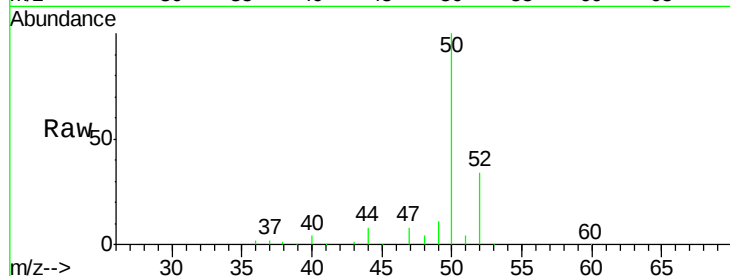
50 100

52 33.7 25.7 38.5

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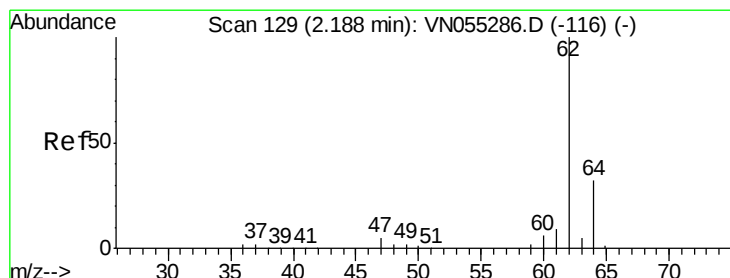
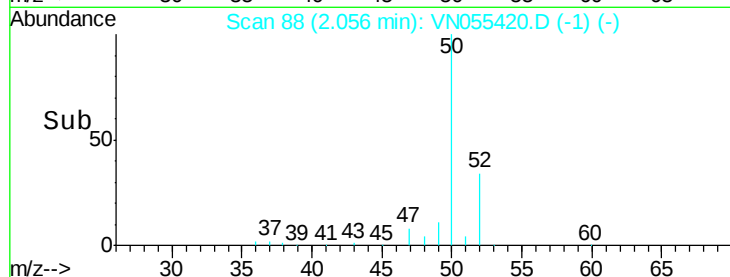
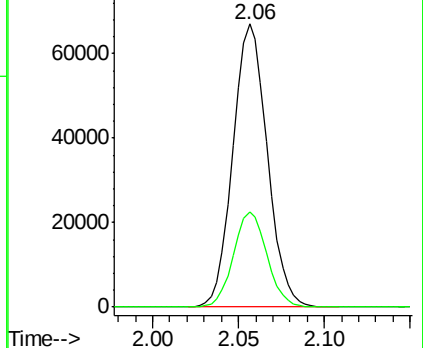
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.143 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055420.D

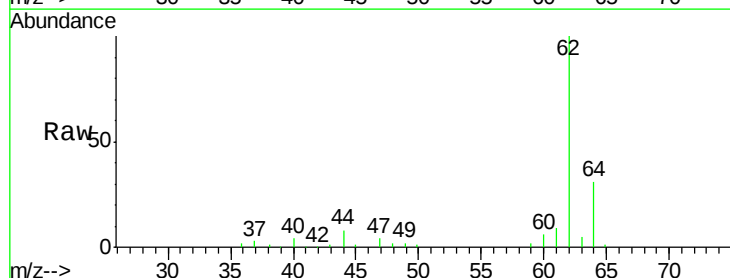
Acq: 6 May 2019 17:04

Tgt Ion: 62 Resp: 83176

Ion Ratio Lower Upper

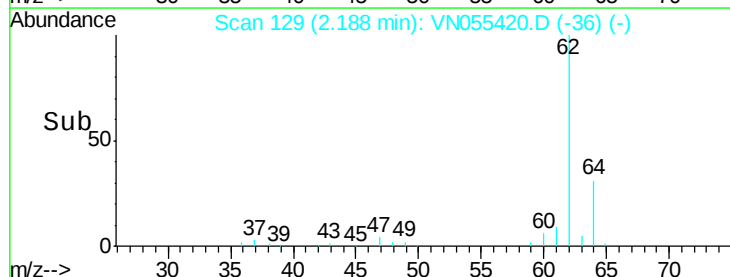
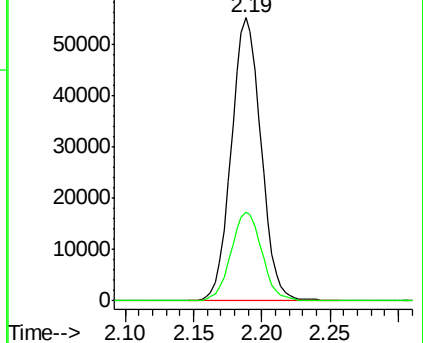
62 100

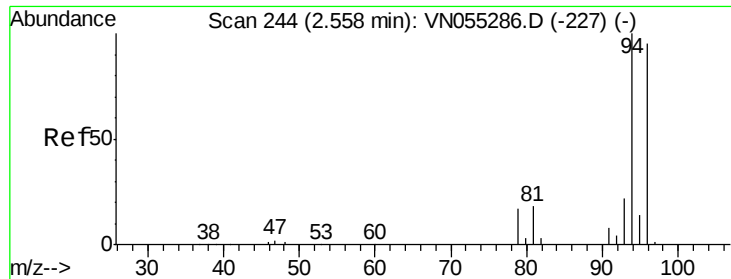
64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.361 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

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Tot Ion: 94 Resp: 47016

Ion Ratio Lower Upper

94 100

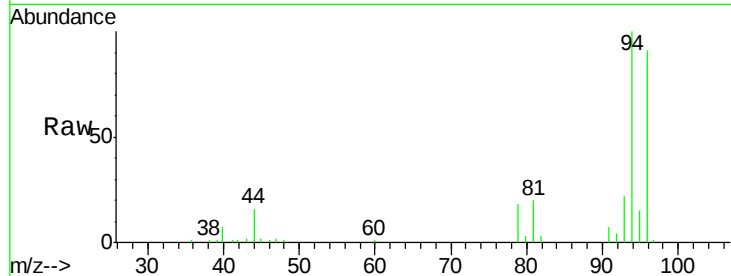
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Manual Integrations

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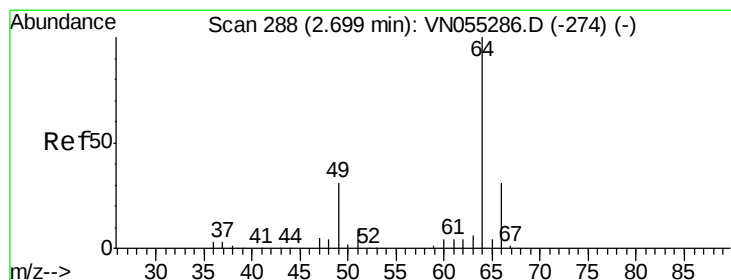
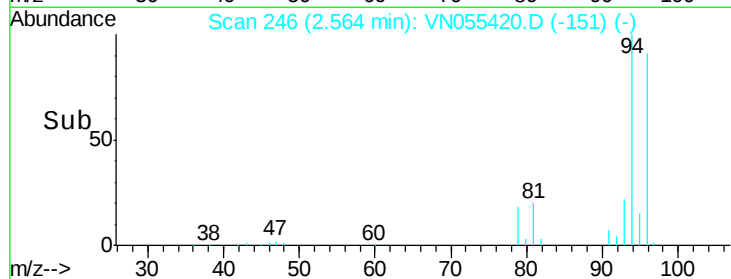
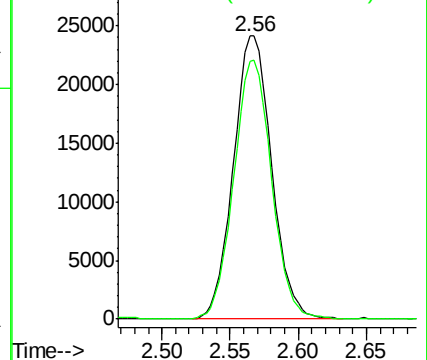
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.799 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055420.D

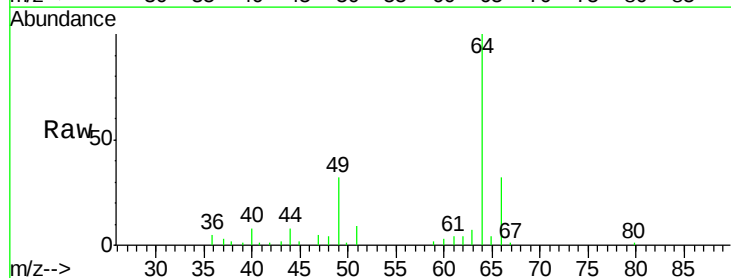
Acq: 6 May 2019 17:04

Tgt Ion: 64 Resp: 46687

Ion Ratio Lower Upper

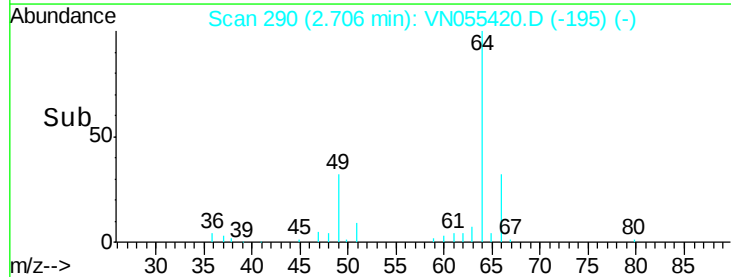
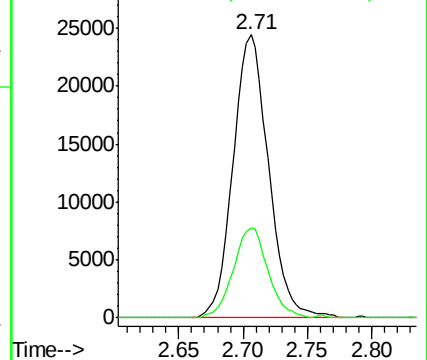
64 100

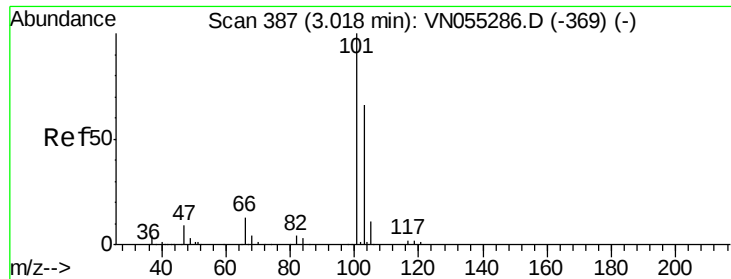
66 31.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

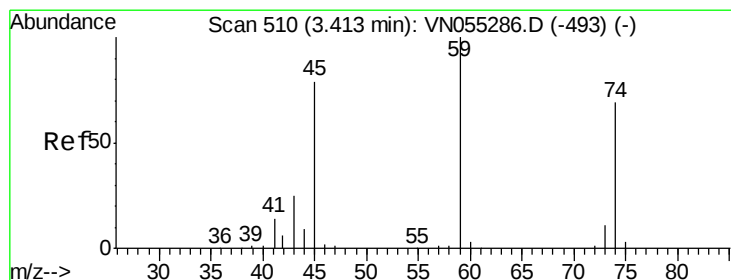
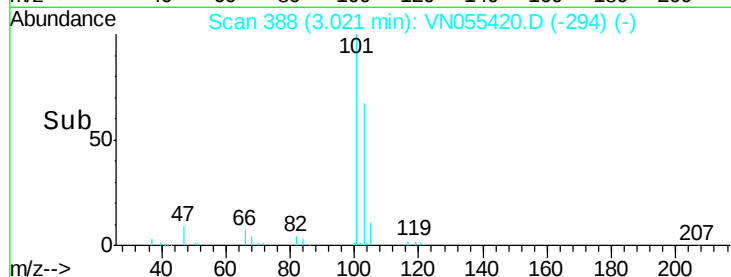
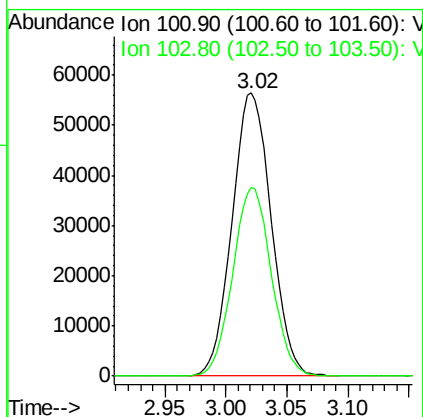
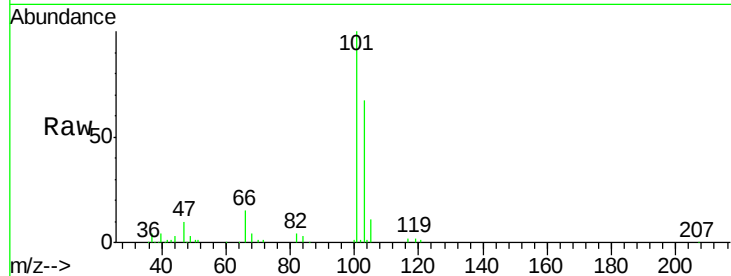
Trichlorofluoromethane
 Concen: 19.257 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055420.D
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 VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.6	79.0

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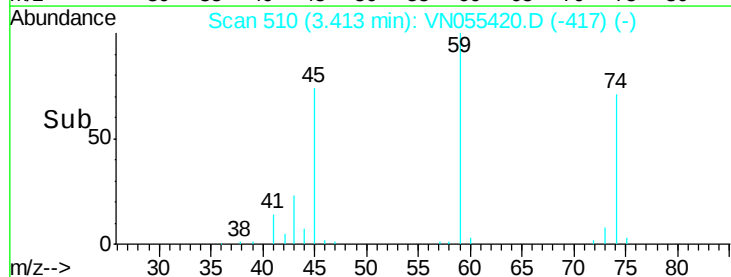
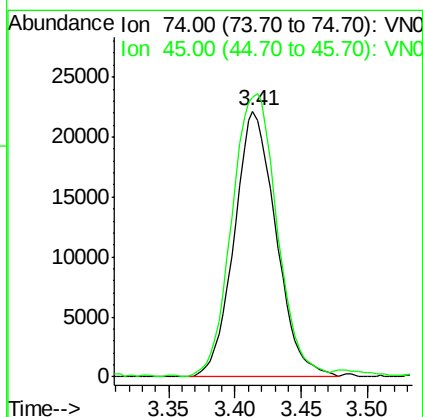
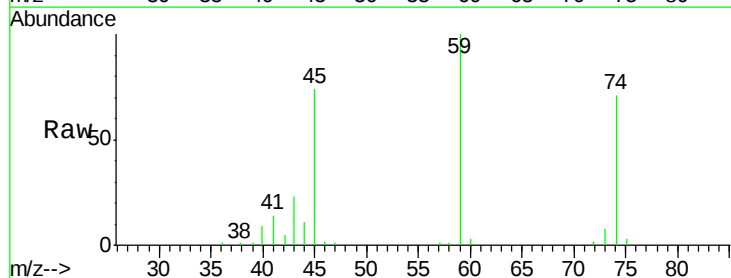
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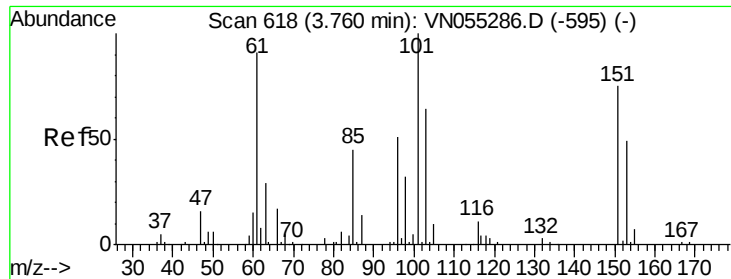


#8

Diethyl Ether
 Concen: 21.305 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.3	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.393 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

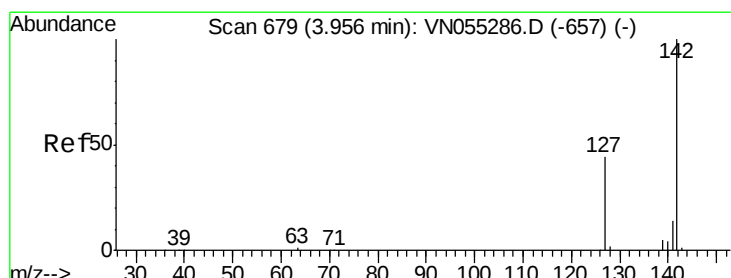
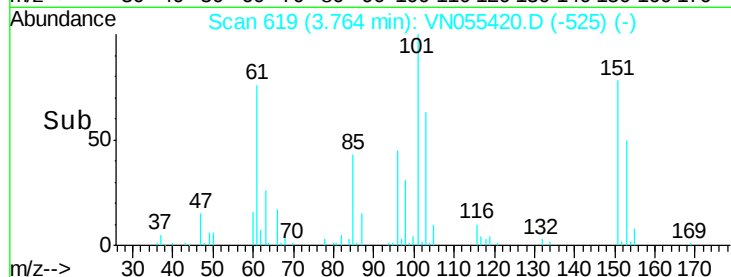
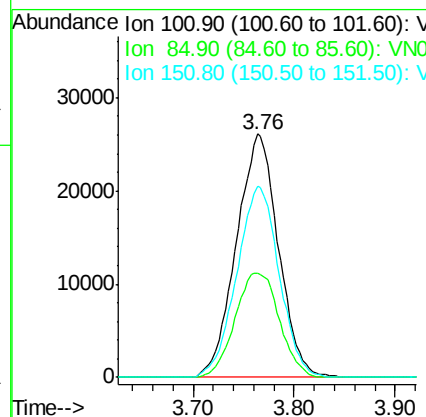
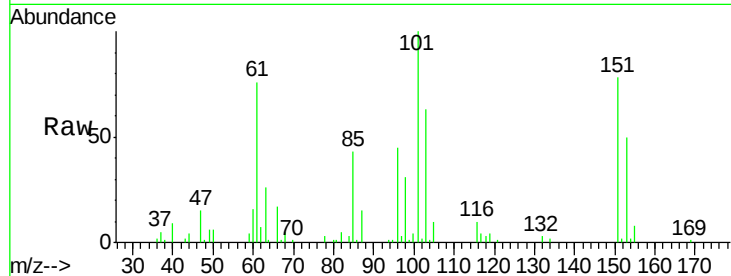
ClientSampleId :

VN0506MBSD01

Tot Ion:	101	Resp:	75281
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.7	53.5
151	79.1	63.3	94.9

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#10

Methyl Iodide

Concen: 18.066 ug/l

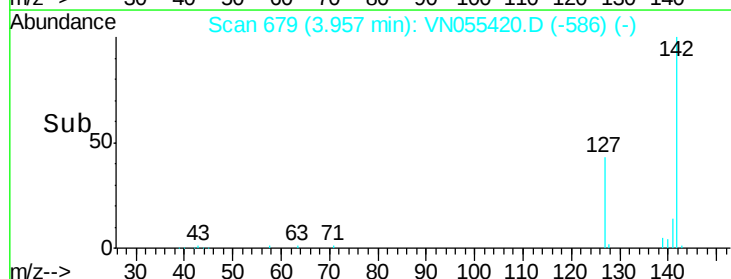
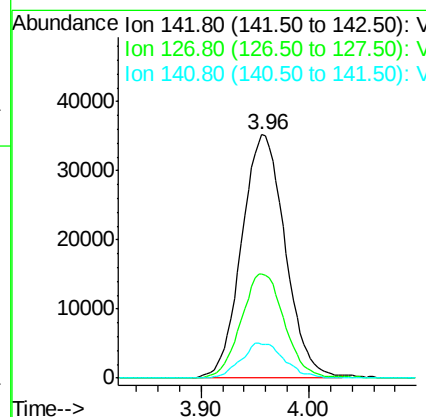
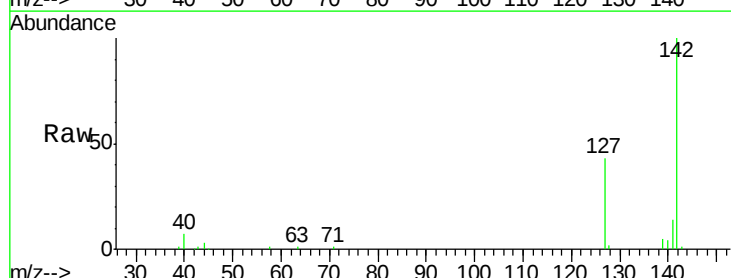
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion:	142	Resp:	98698
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.4	51.6
141	14.2	11.5	17.3





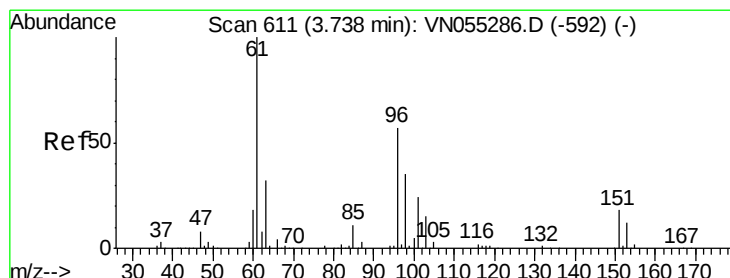
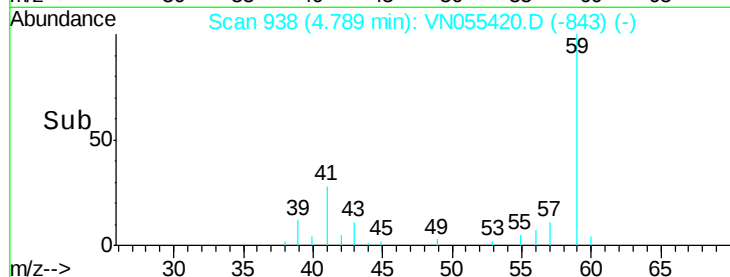
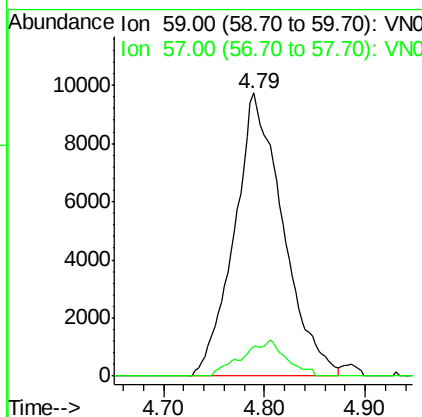
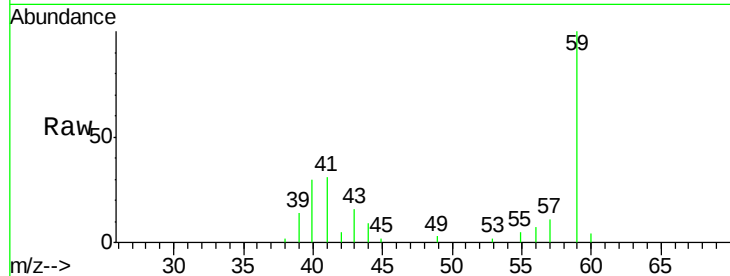
#11
Tert butyl alcohol
Concen: 116.113 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampled :
VN0506MBSD01

Tot Ion	59	57	Ratio	100	5.4	Resp	32602	Lower	8.2	Upper	12.2#

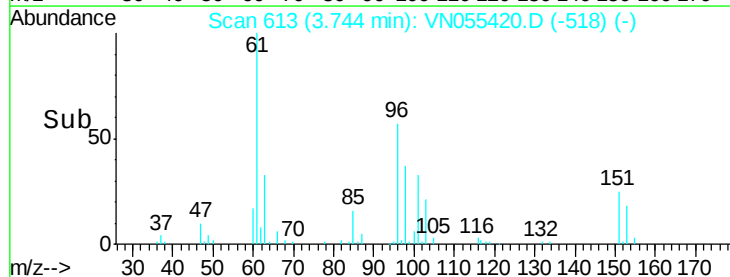
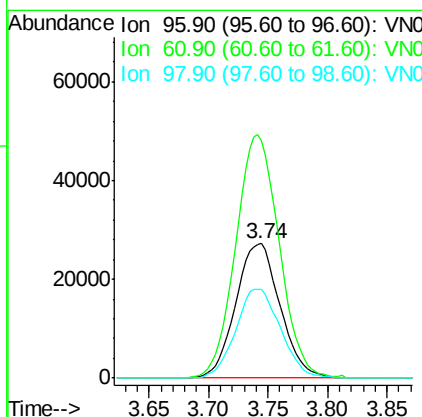
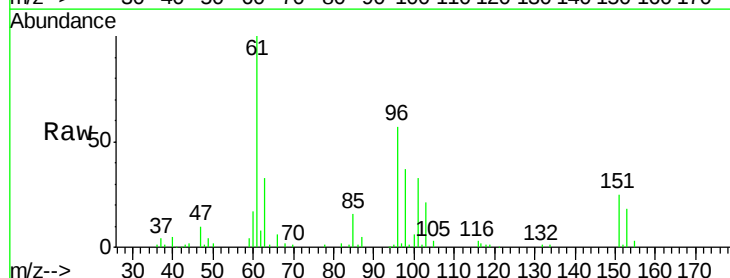
Manual Integrations
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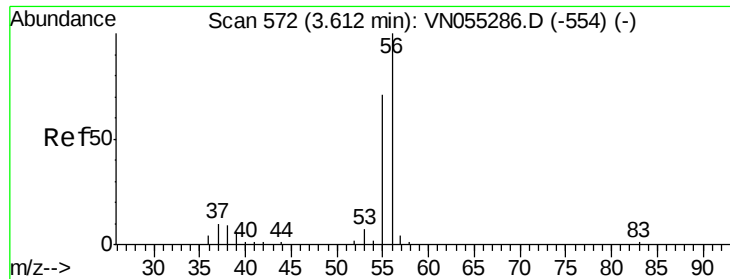
MMDadoda
5/7/2019 1:22:47 PM



#12
1,1-Dichloroethene
Concen: 18.998 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	96	61	98	Ratio	100	176.7	65.5	Resp	70352	Lower	140.9	50.0	Upper	211.3	75.0





#13

Acrolein

Concen: 64.028 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion: 56 Resp: 14040

Ion Ratio Lower Upper

56 100

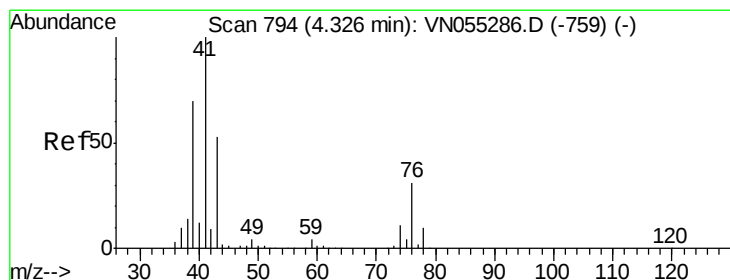
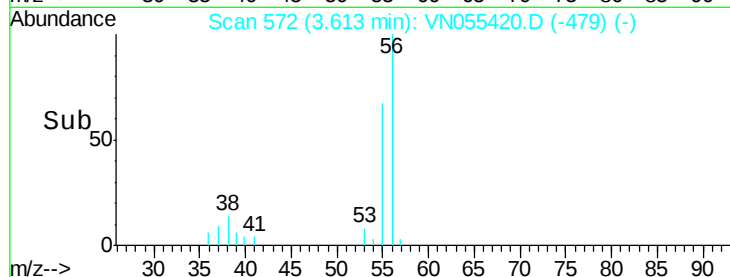
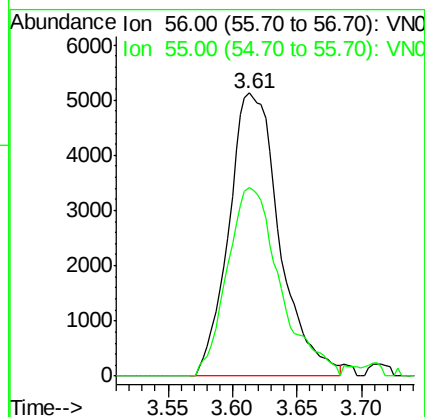
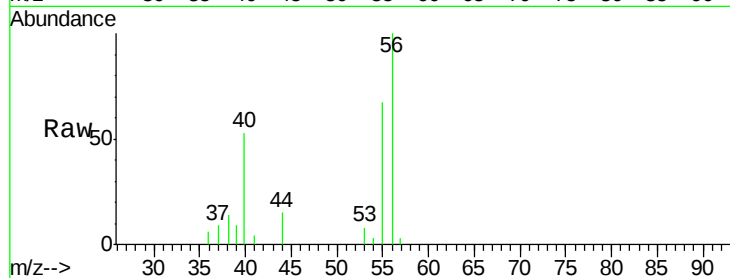
55 69.1 57.4 86.2

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#14

Allyl chloride

Concen: 19.888 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

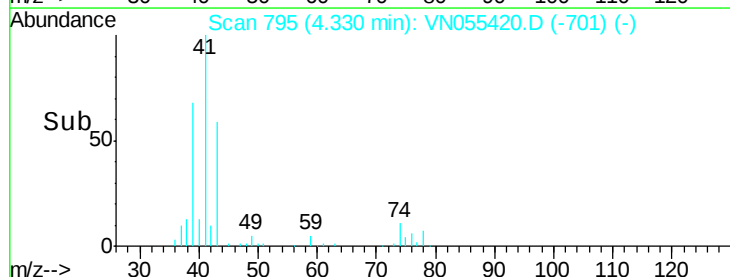
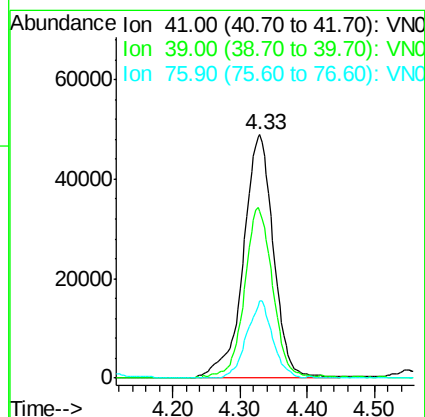
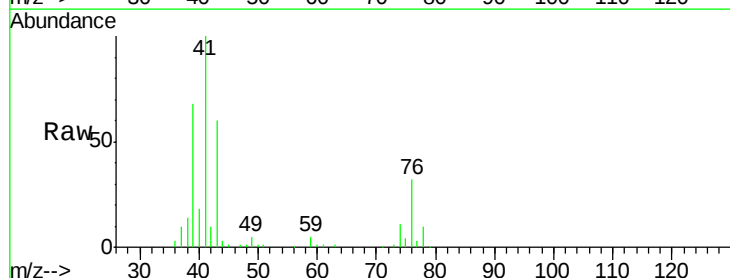
Tgt Ion: 41 Resp: 152532

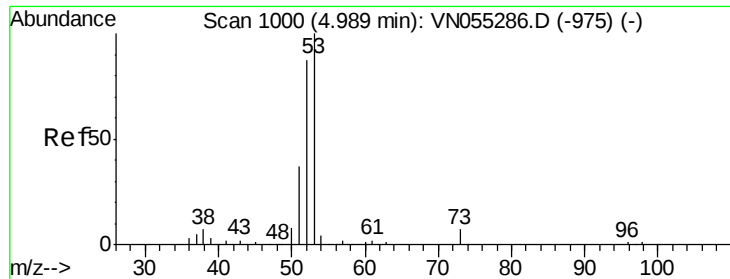
Ion Ratio Lower Upper

41 100

39 65.5 53.0 79.6

76 27.2 22.7 34.1





#15

Acrylonitrile

Concen: 108.622 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

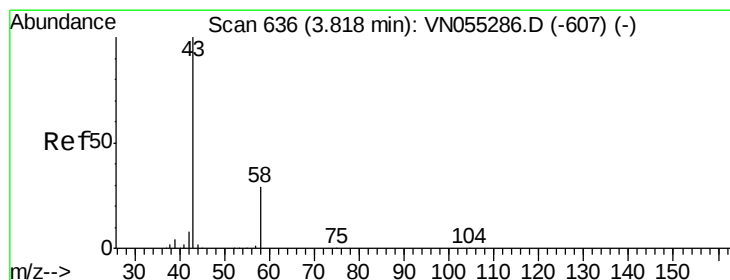
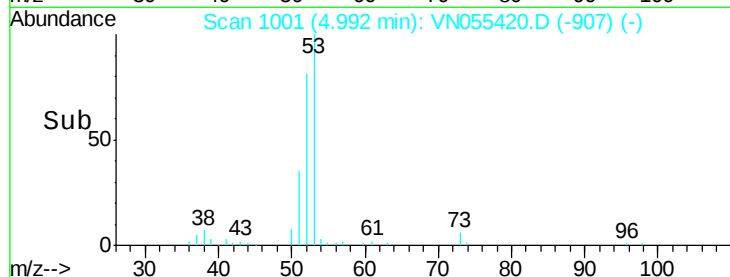
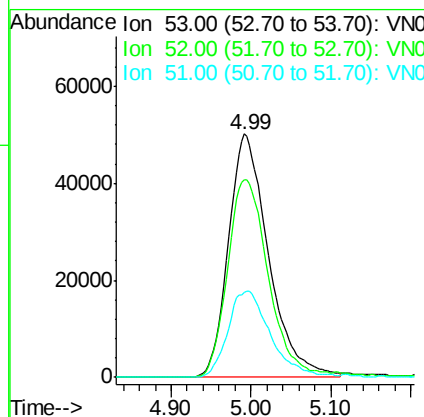
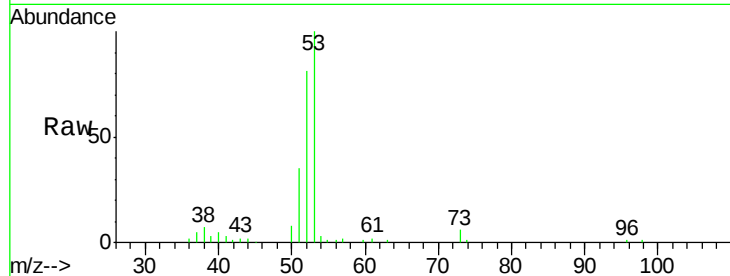
ClientSampleId :

VN0506MBSD01

Tot Ion:	53	Resp:	171430
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.5	99.7
51	37.6	29.6	44.4

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#16

Acetone

Concen: 88.380 ug/l

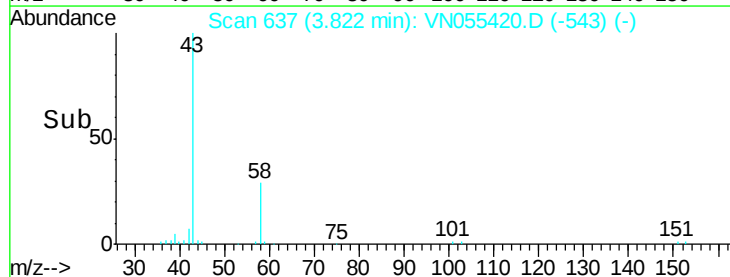
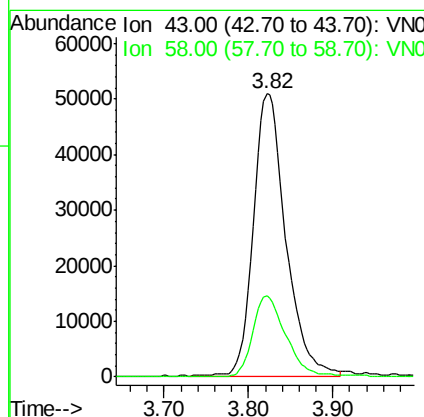
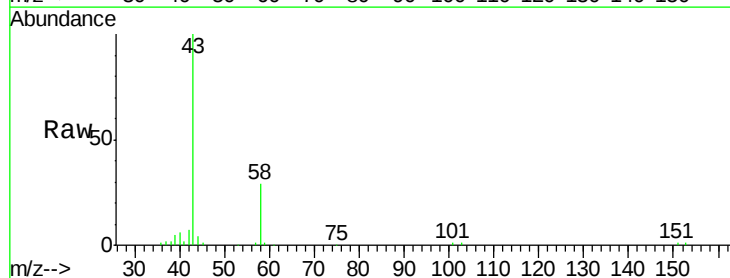
RT: 3.82 min Scan# 637

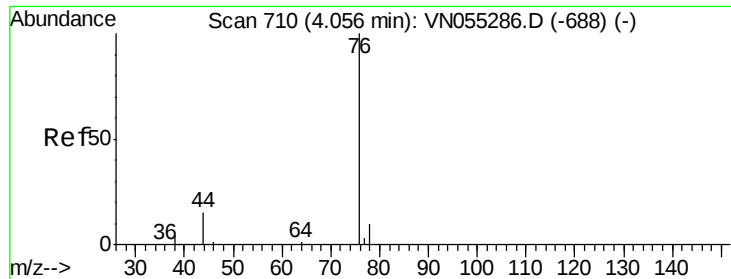
Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion:	43	Resp:	135052
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.6	35.4





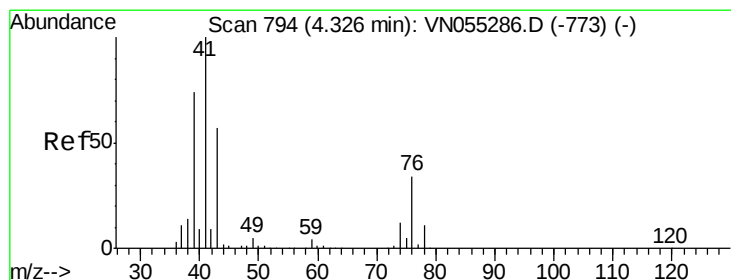
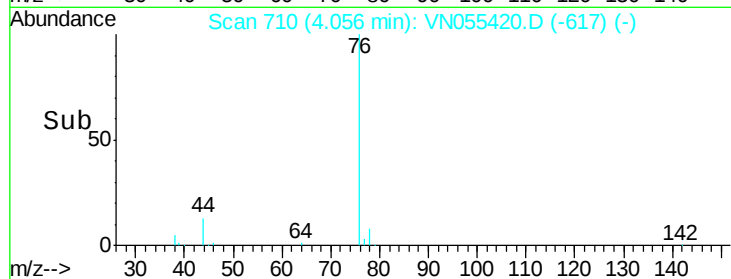
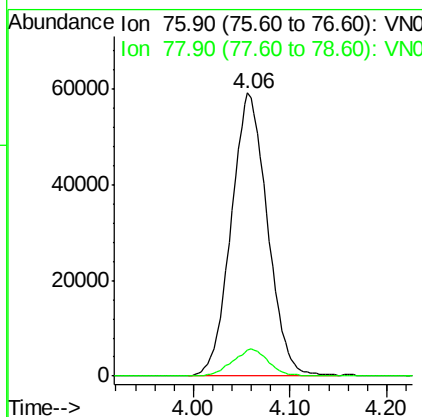
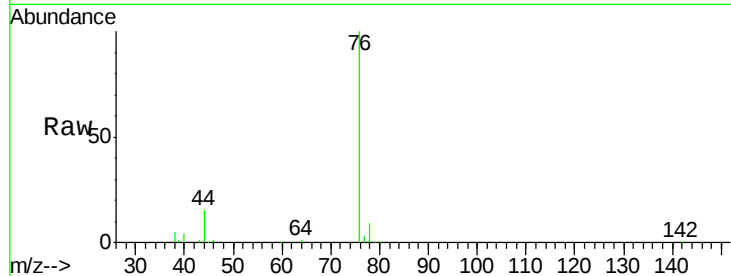
#17
Carbon Disulfide
Concen: 15.927 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4

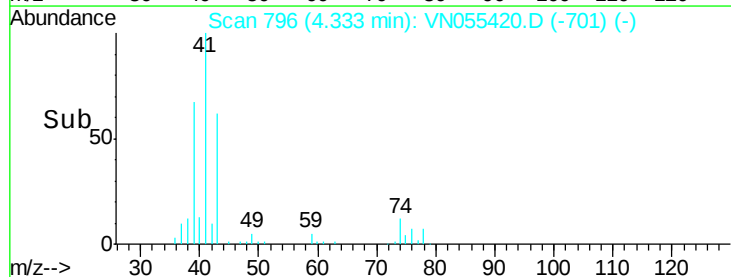
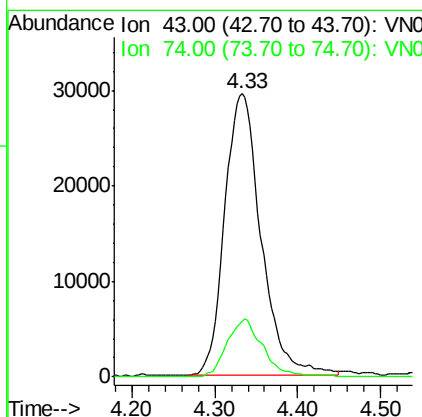
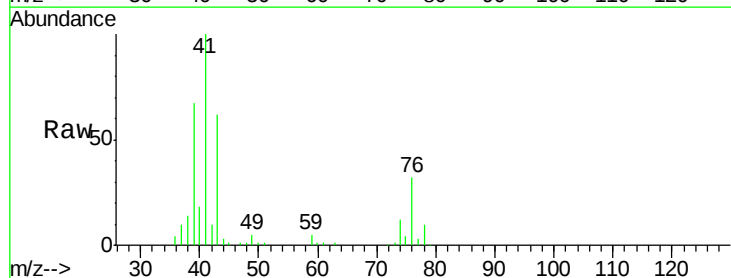
Manual Integrations
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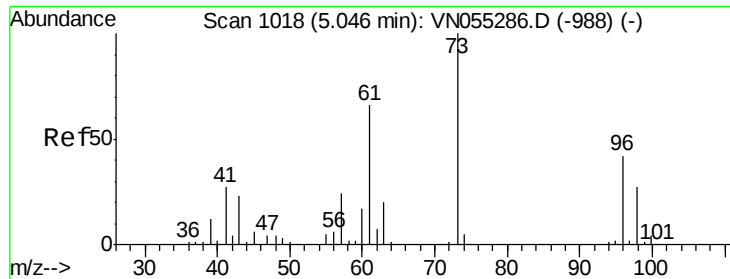
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#18
Methyl Acetate
Concen: 23.577 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	15.8	23.8





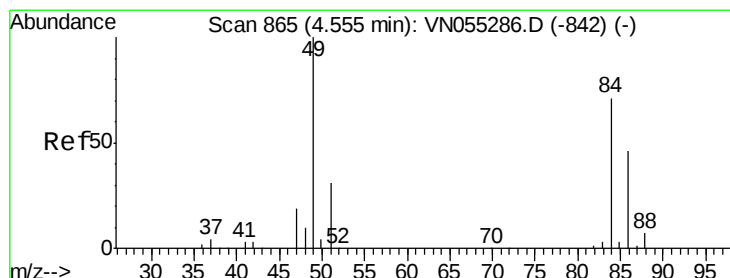
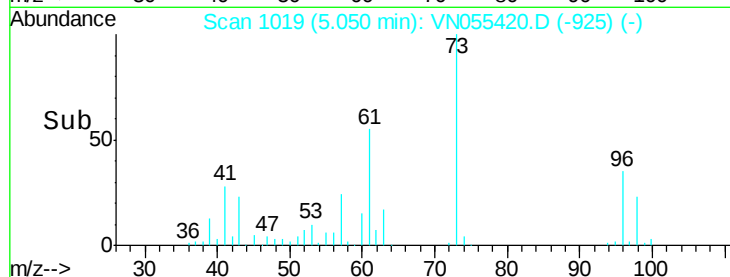
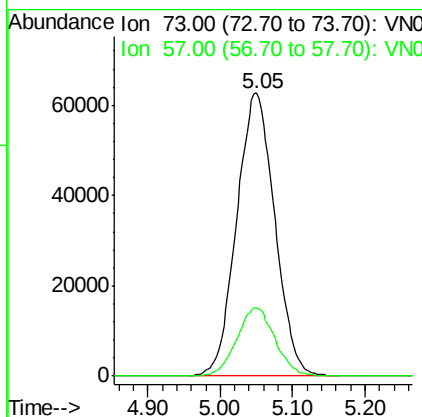
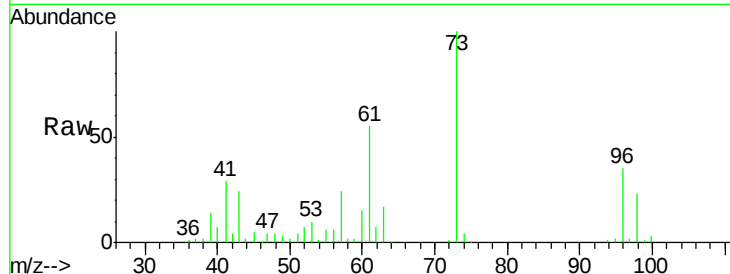
#19
Methvl tert-butvl Ether
Concen: 22.026 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion: 73 Resp: 229301
Ion Ratio Lower Upper
73 100
57 24.0 19.1 28.7

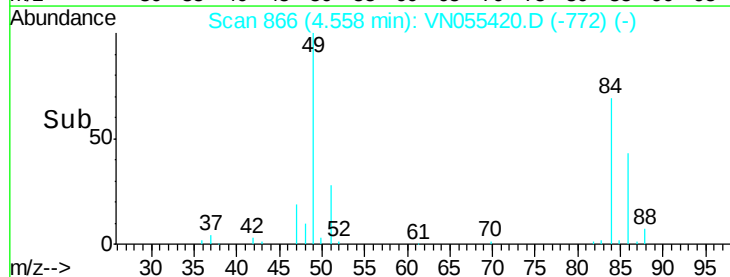
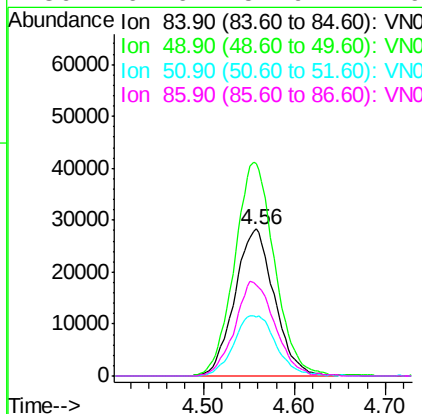
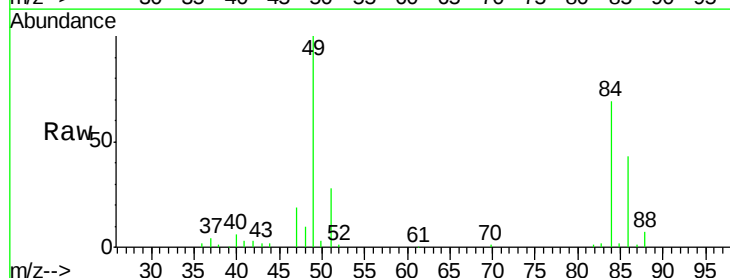
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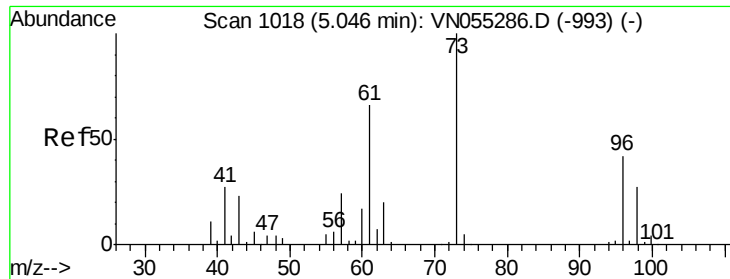
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#20
Methylene Chloride
Concen: 18.401 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 84 Resp: 85825
Ion Ratio Lower Upper
84 100
49 144.3 112.4 168.6
51 40.5 34.6 51.8
86 61.6 51.9 77.9





#21

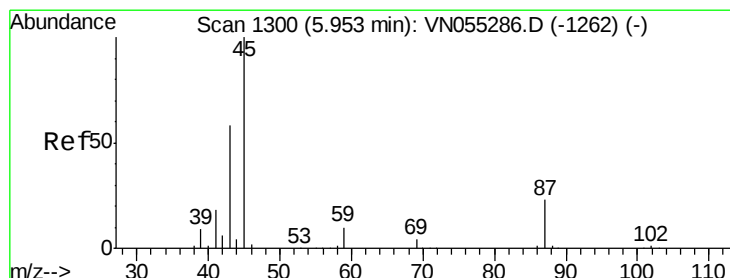
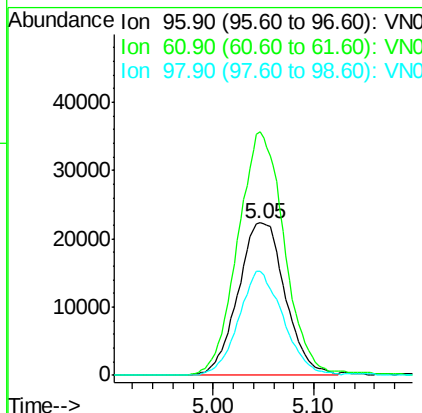
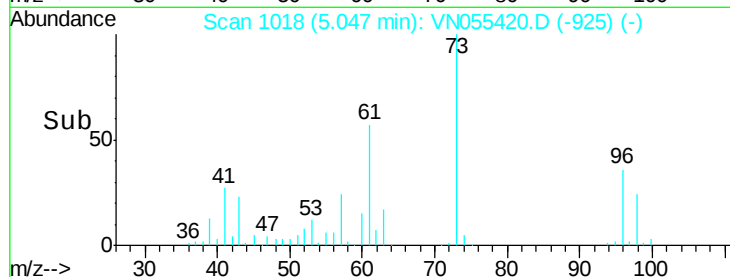
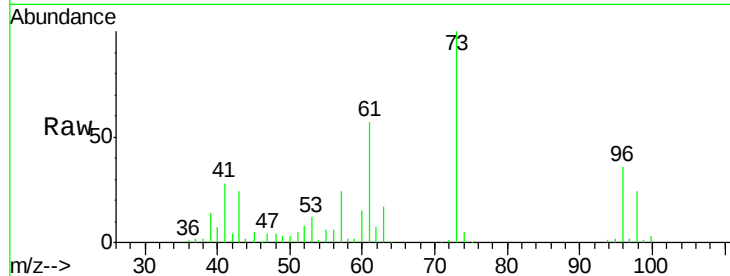
trans-1,2-Dichloroethene
Concen: 18.523 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.6	126.2	189.4
98	68.2	52.2	78.2

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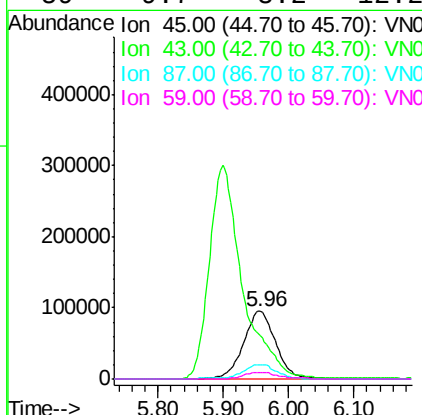
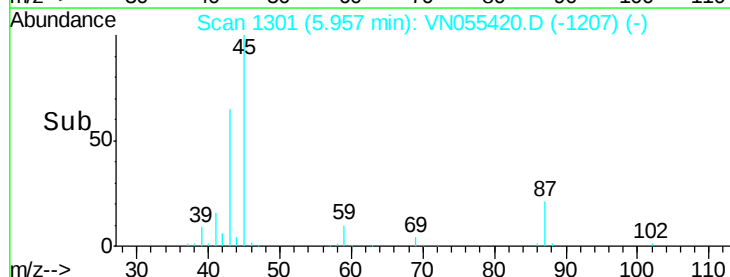
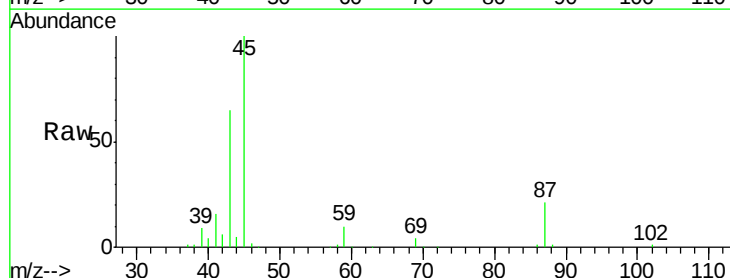
MMDadoda
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#22

Diisopropyl ether
Concen: 21.455 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	46.6	70.0
87	21.1	18.1	27.1
59	9.7	8.2	12.2





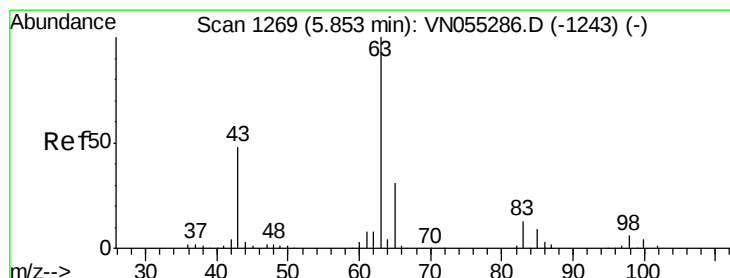
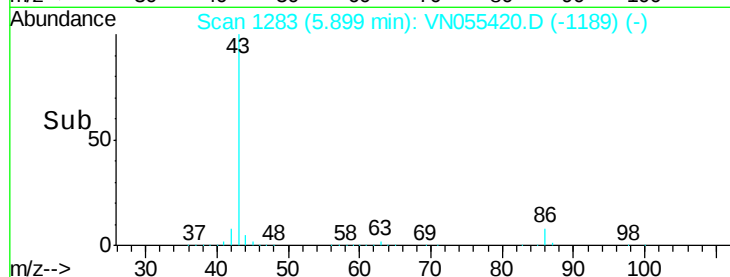
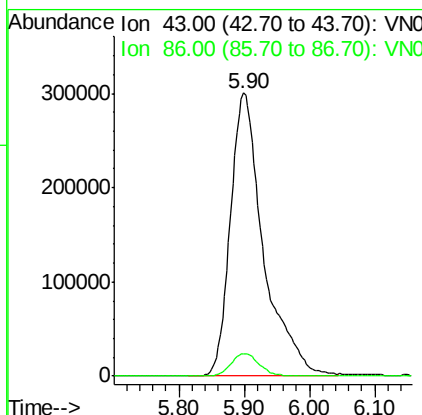
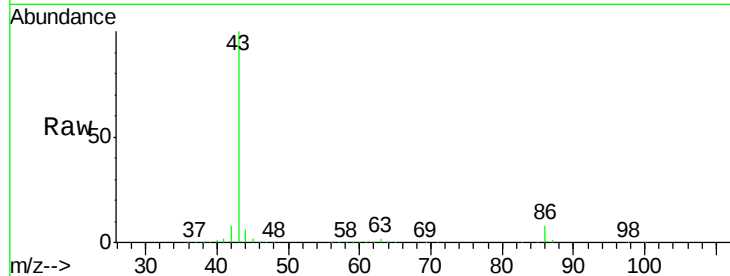
#23
 Vinyl Acetate
 Concen: 106.266 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion: 43 Resp: 1061315
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.6 10.0

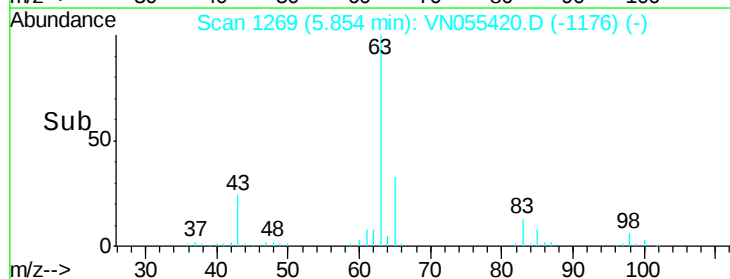
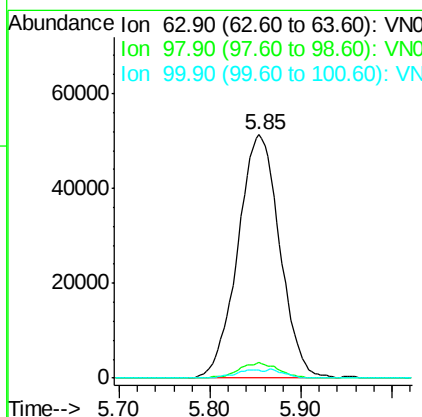
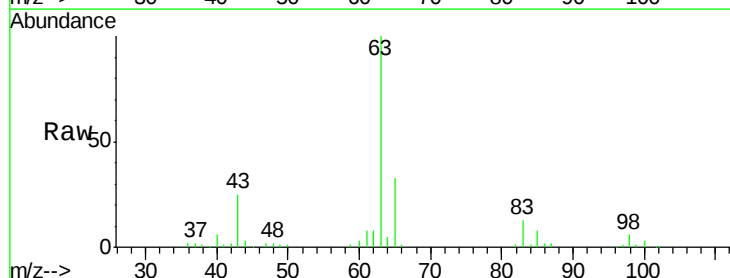
Manual Integrations
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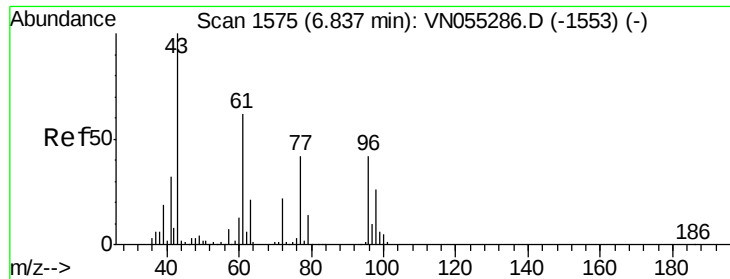
MMDadoda
 5/7/2019 1:22:47 PM



#24
 1,1-Dichloroethane
 Concen: 20.203 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 63 Resp: 164034
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.0
 100 3.2 1.8 5.4





#25

2-Butanone

Concen: 105.195 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion: 43 Resp: 205574

Ion Ratio Lower Upper

43 100

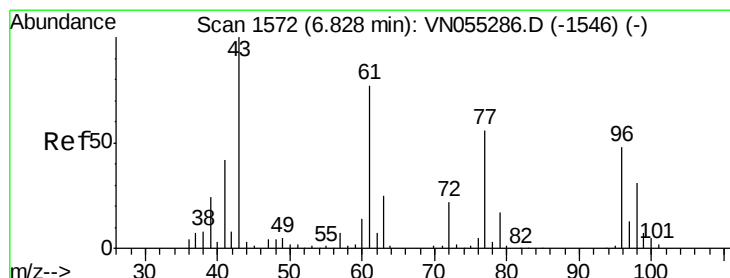
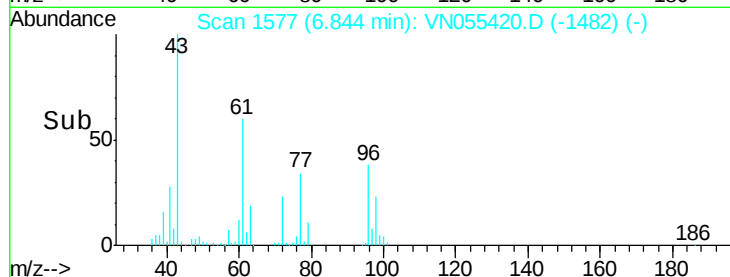
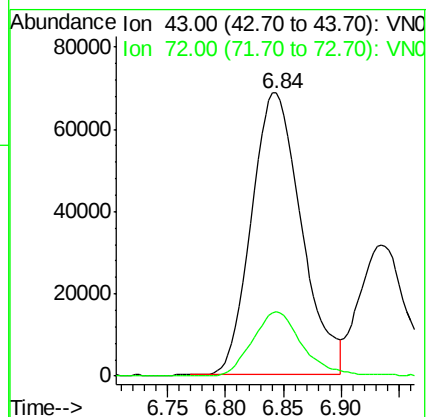
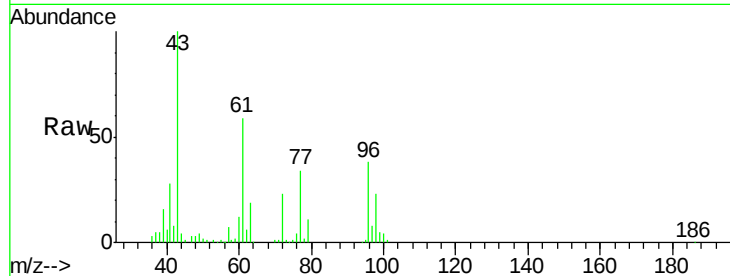
72 23.0 18.0 27.0

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#26

2,2-Dichloropropane

Concen: 17.862 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055420.D

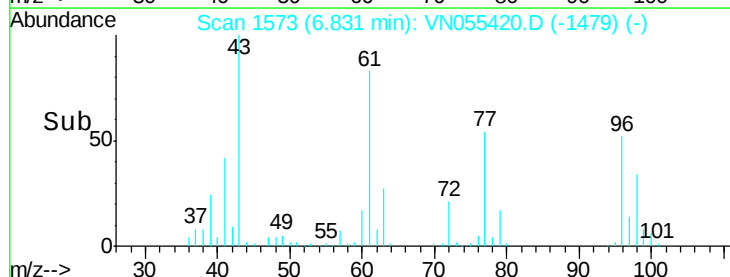
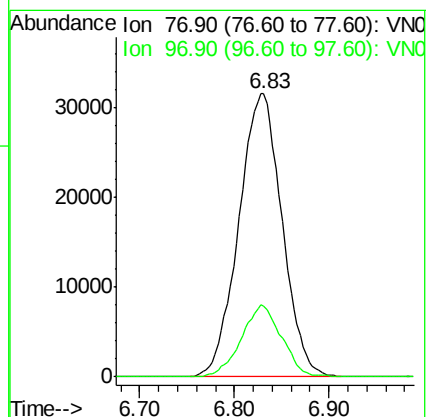
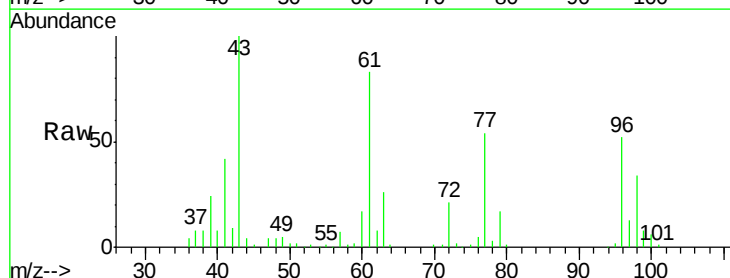
Acq: 6 May 2019 17:04

Tgt Ion: 77 Resp: 100146

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.191 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

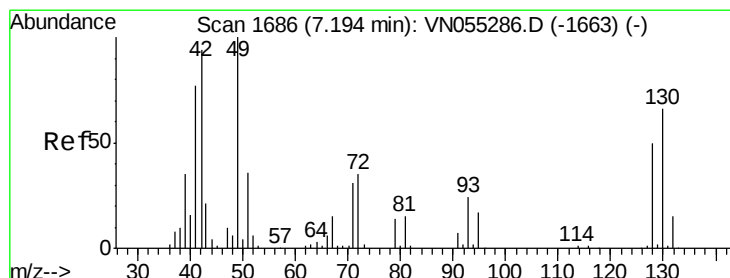
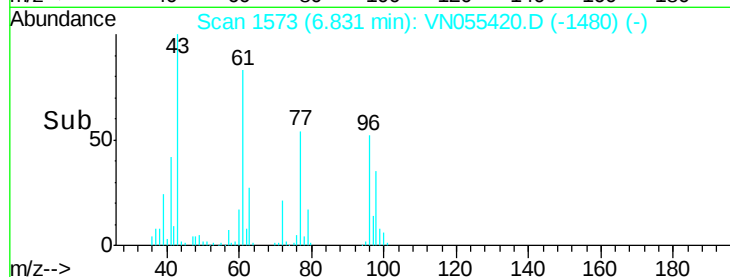
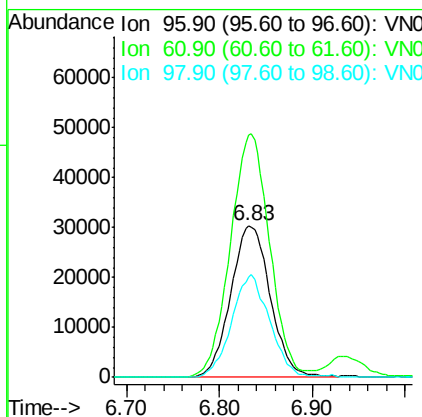
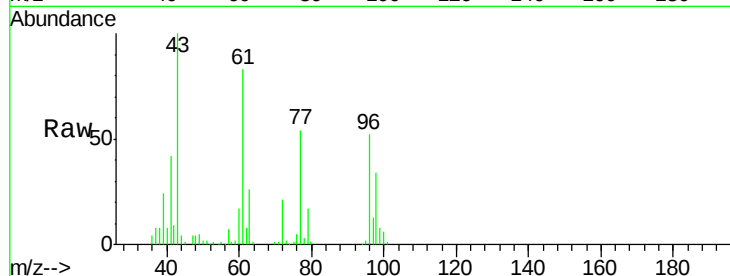
ClientSampleId :

VN0506MBSD01

Tot Ion:	96	Resp:	90052
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	316.2
98	65.1	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 19.818 ug/l

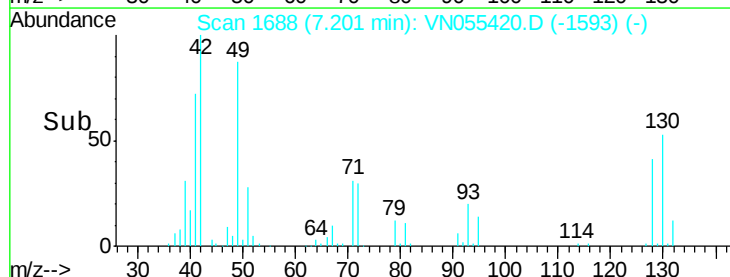
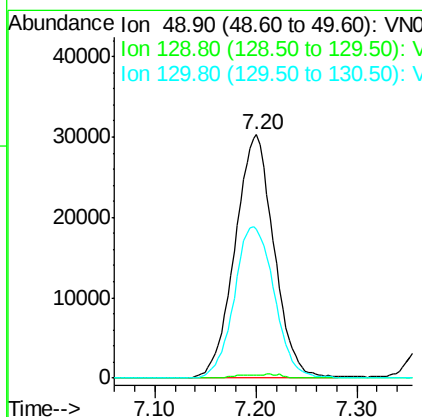
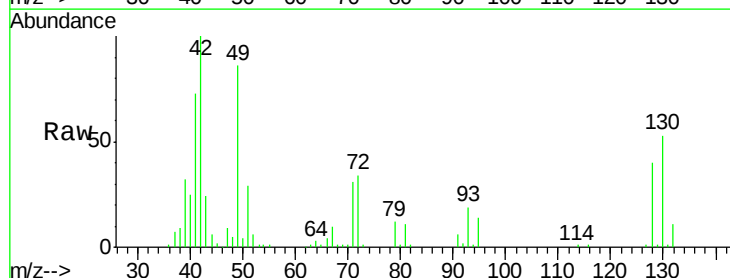
RT: 7.20 min Scan# 1688

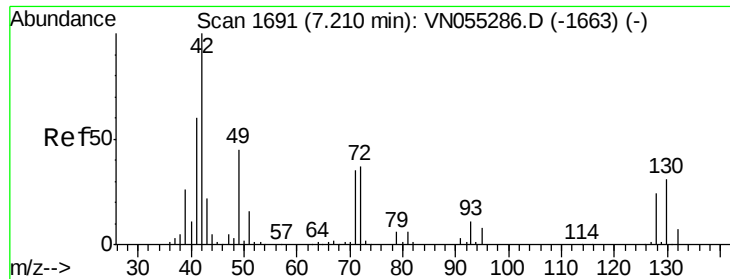
Delta R.T. 0.01 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion:	49	Resp:	81107
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.4
130	63.6	52.0	78.0





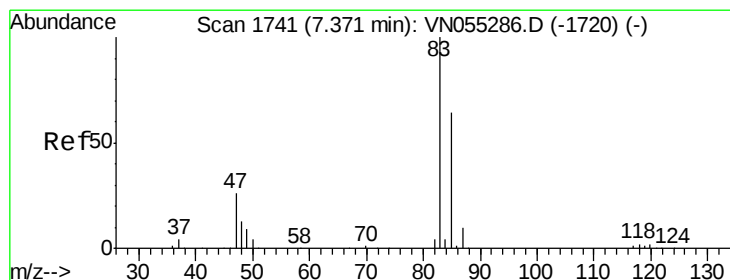
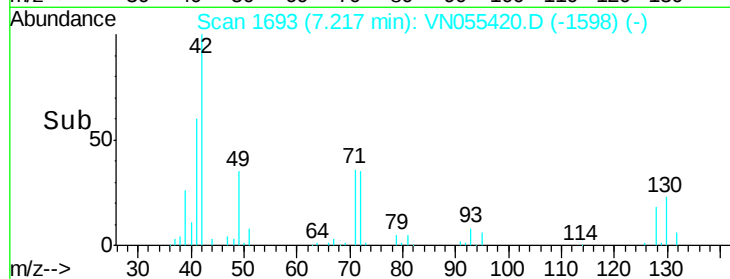
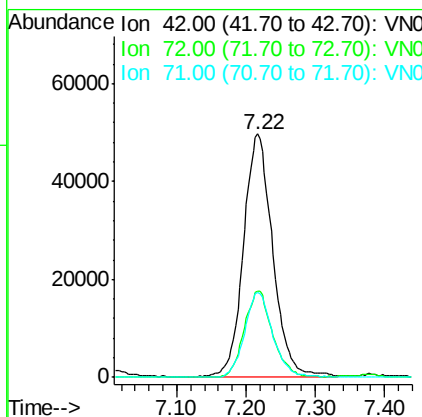
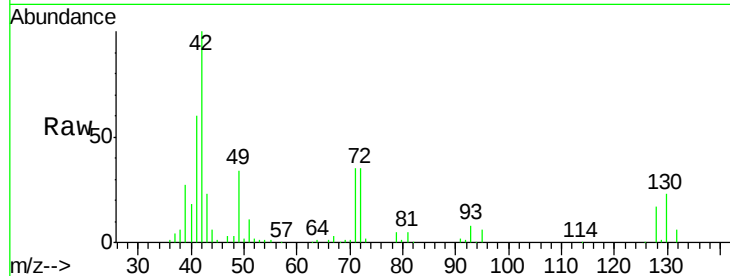
#29
Tetrahydrofuran
Concen: 116.954 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	29.0	43.6
71	33.1	27.1	40.7

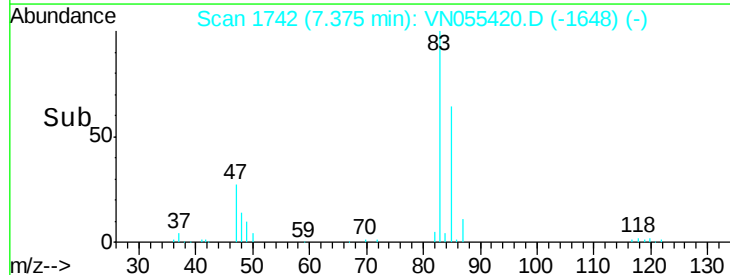
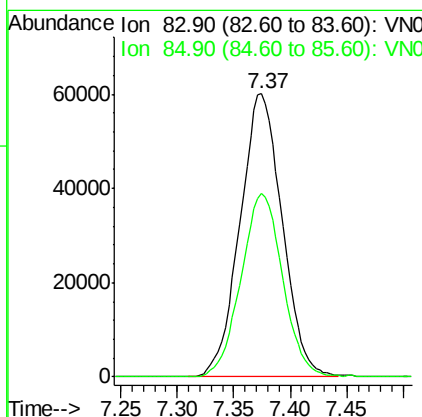
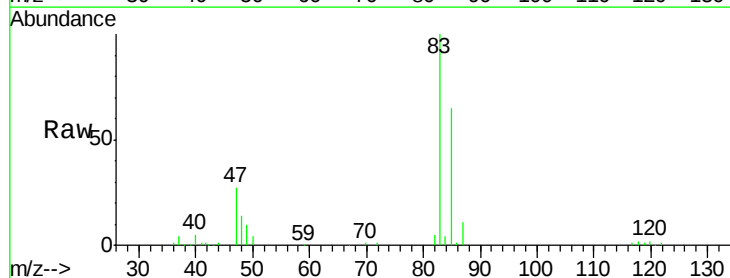
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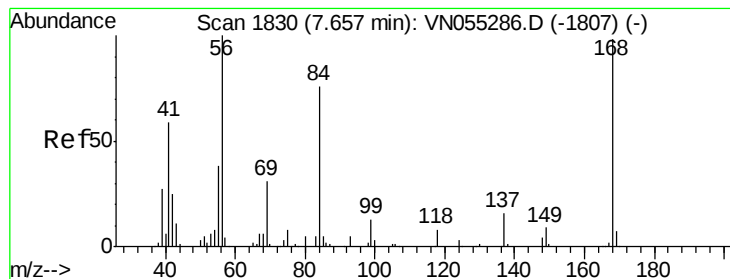
MMDadoda
5/7/2019 1:22:47 PM



#30
Chloroform
Concen: 20.275 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2





#31

Cyclohexane

Concen: 19.240 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

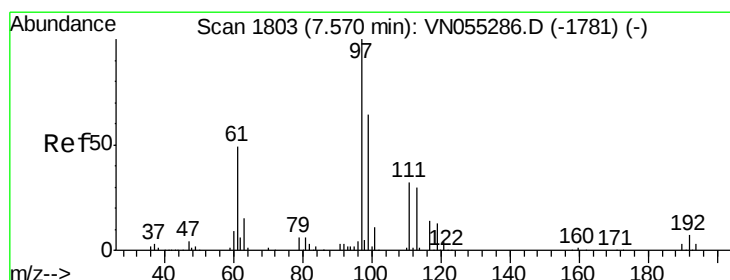
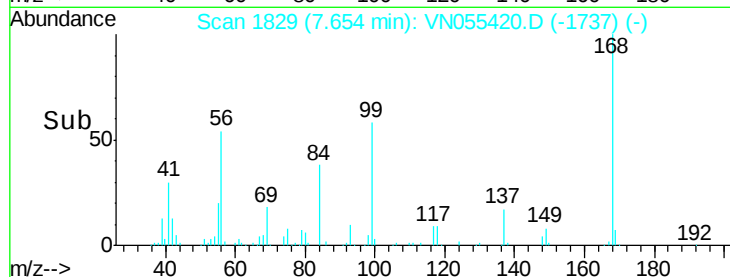
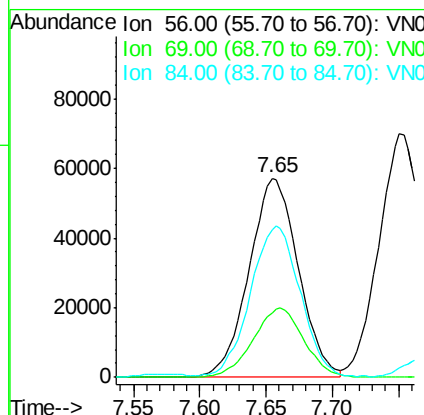
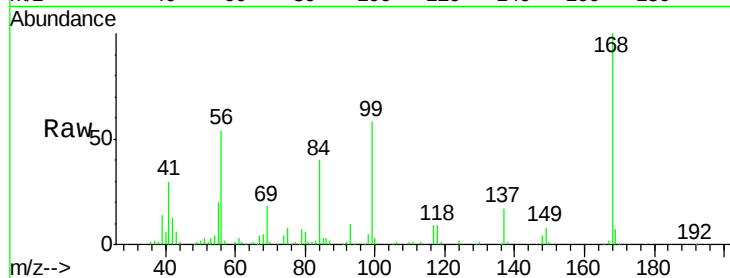
ClientSampleId :

VN0506MBSD01

Tot Ion:	56	Resp:	148421
Ion Ratio	Lower	Upper	
56	100		
69	32.6	25.2	37.8
84	73.1	61.1	91.7

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#32

1,1,1-Trichloroethane

Concen: 19.832 ug/l

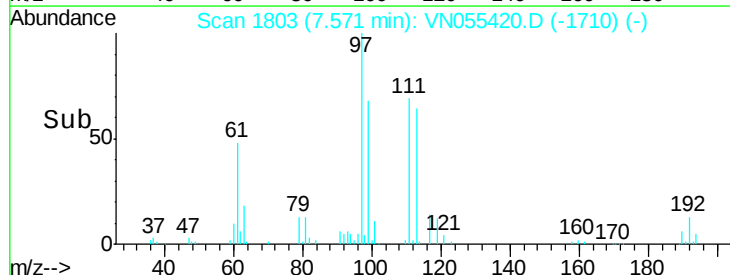
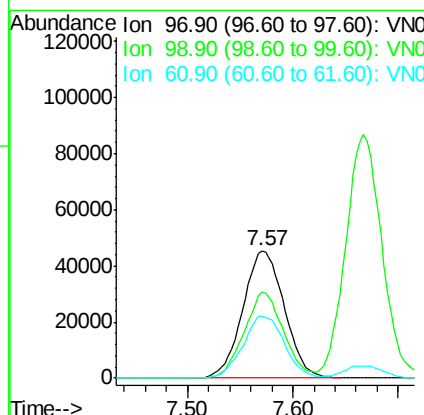
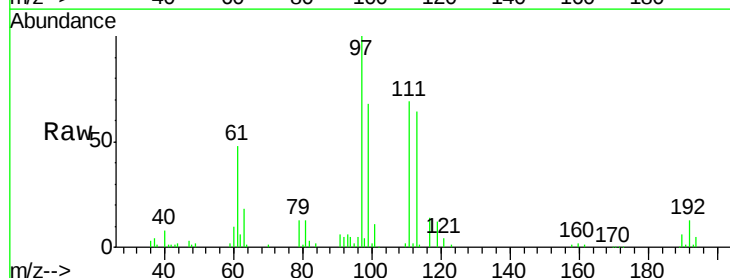
RT: 7.57 min Scan# 1803

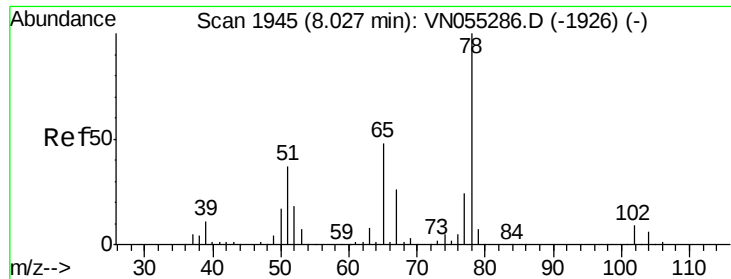
Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion:	97	Resp:	123885
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.8	77.8
61	48.8	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 49.333 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion: 65 Resp: 241939

Ion Ratio Lower Upper

65 100

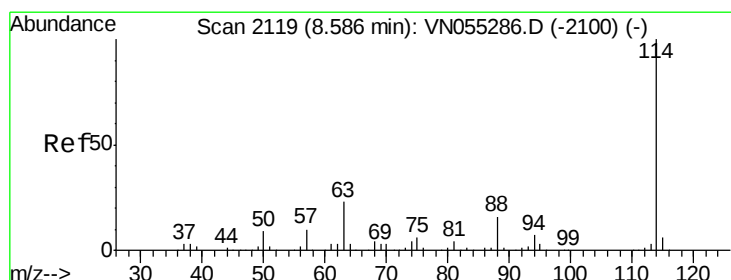
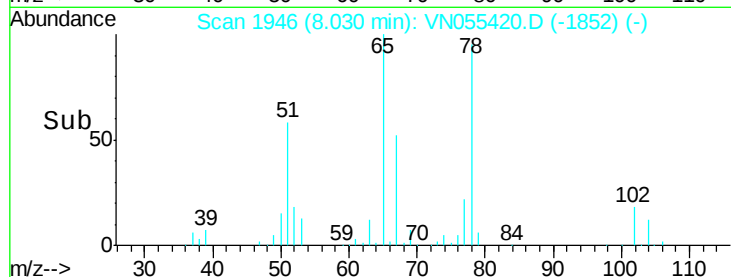
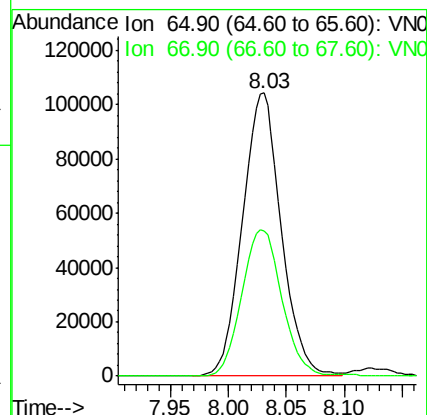
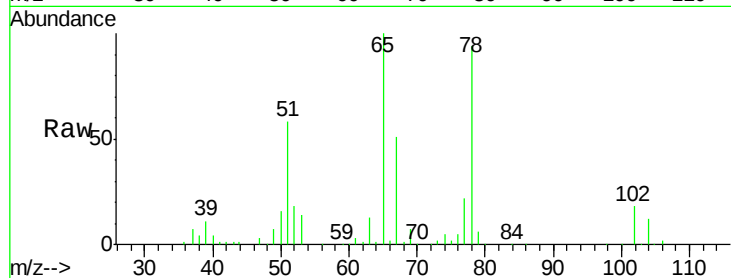
67 53.6 0.0 106.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

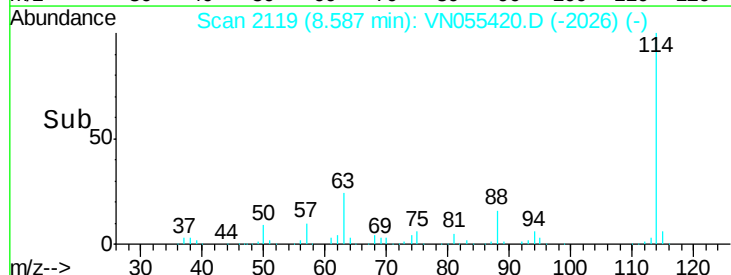
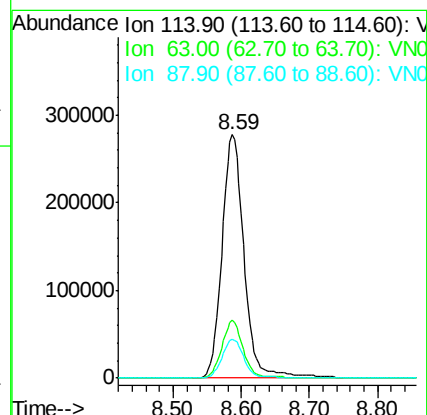
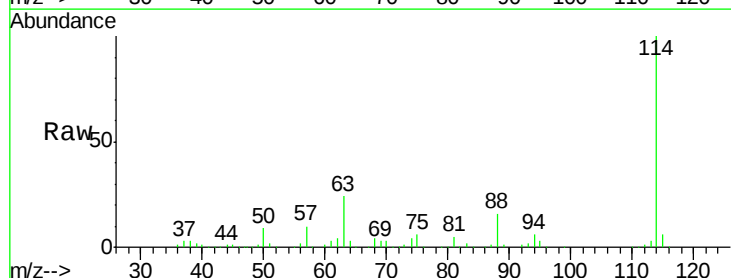
Tgt Ion: 114 Resp: 624616

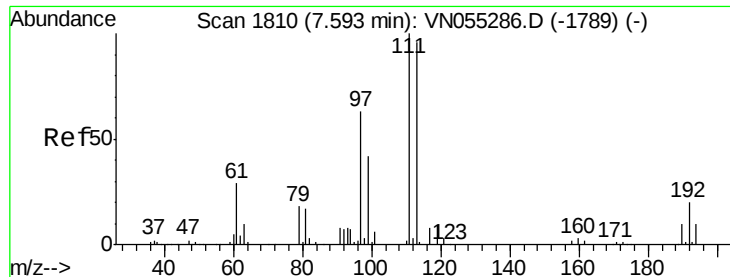
Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 15.7 0.0 31.6





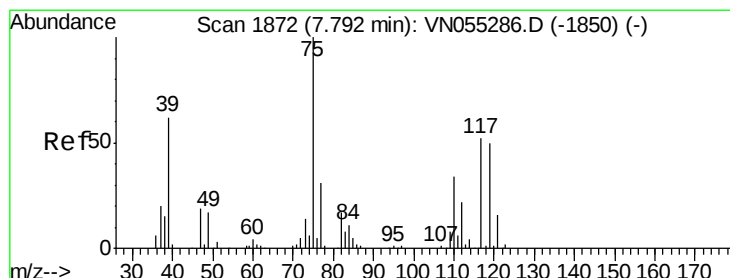
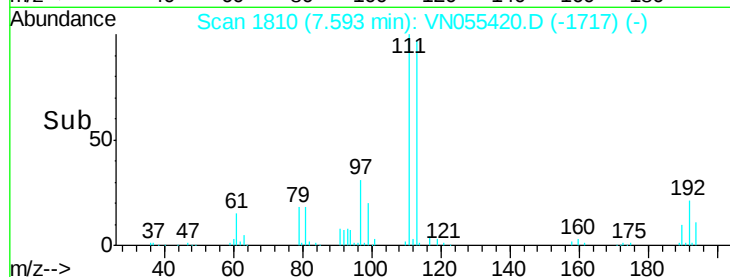
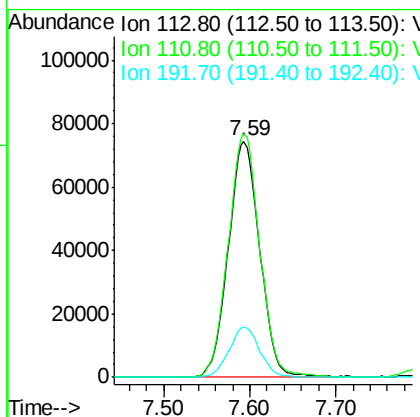
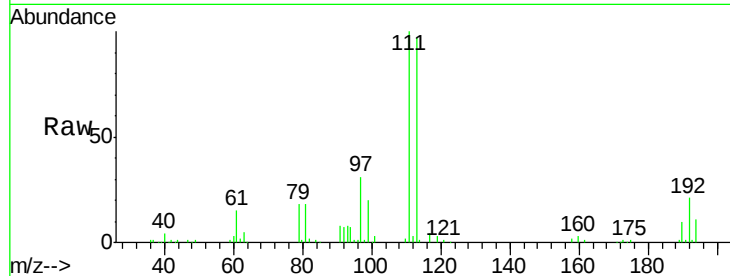
#35
 Dibromofluoromethane
 Concen: 46.028 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188703		
111	103.8	82.3	123.5	
192	20.9	17.0	25.6	

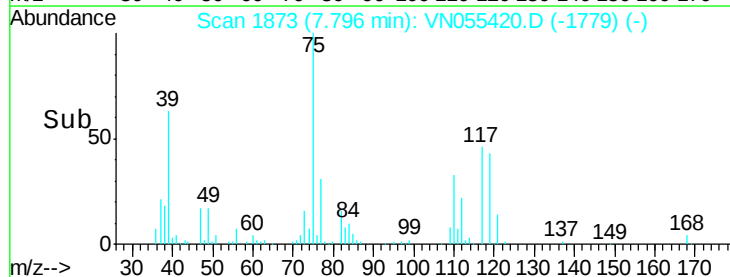
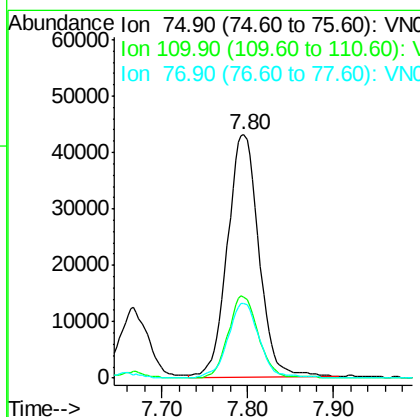
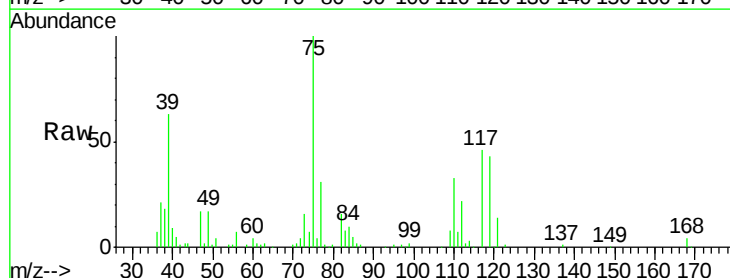
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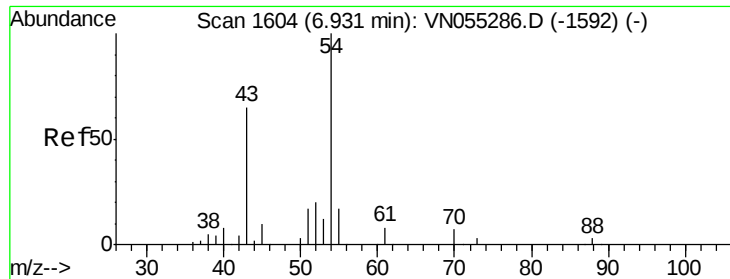
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#36
 1,1-Dichloropropene
 Concen: 18.226 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109044		
110	32.4	16.8	50.4	
77	30.8	25.0	37.6	





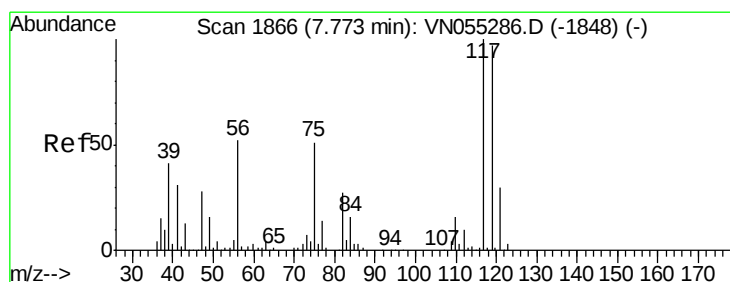
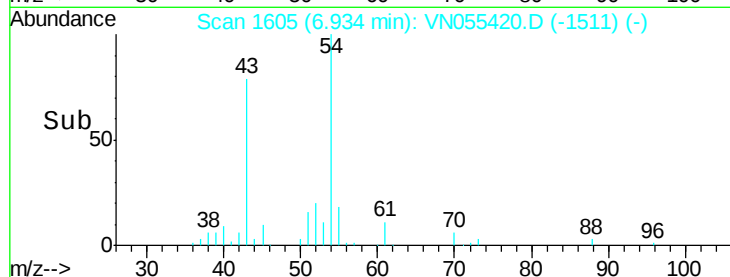
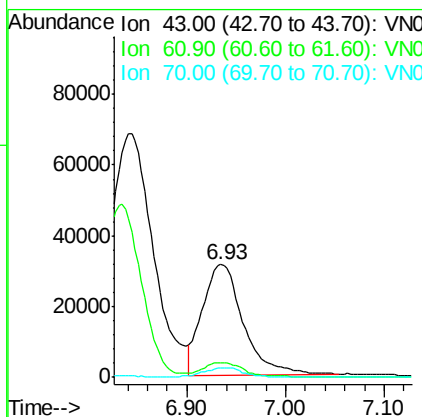
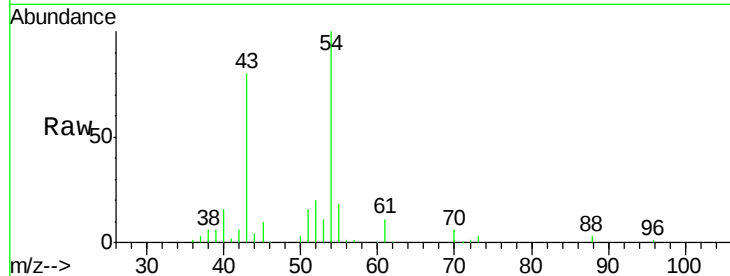
#37
Ethyl Acetate
Concen: 19.817 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleID :
VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	8.3	6.6	10.0

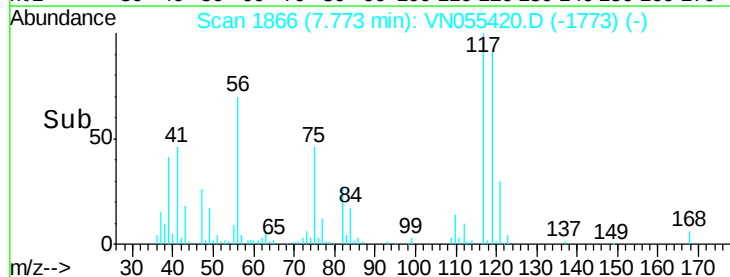
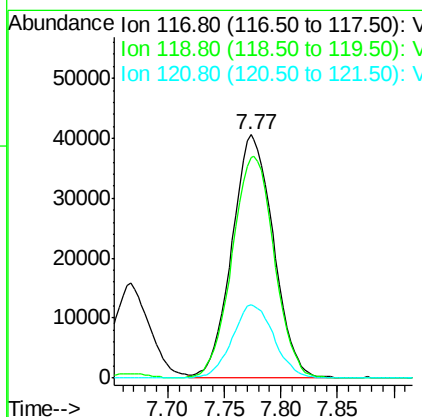
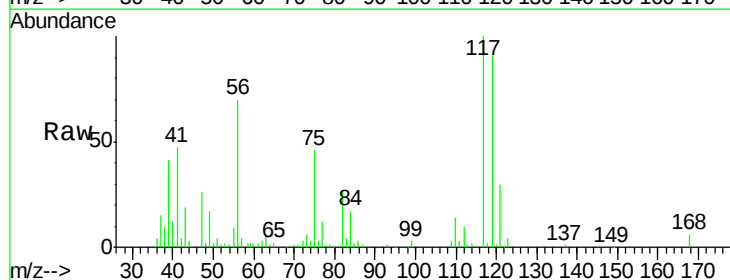
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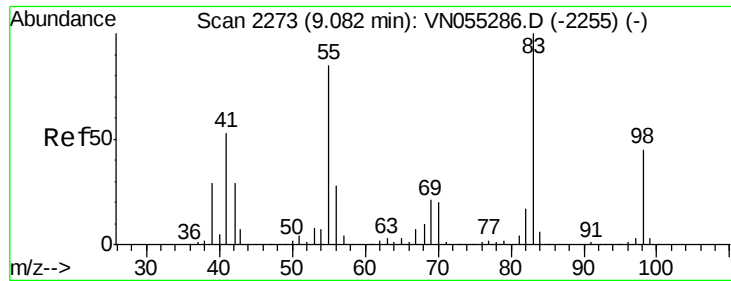
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#38
Carbon Tetrachloride
Concen: 17.973 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	77.0	115.6
121	30.0	23.8	35.8





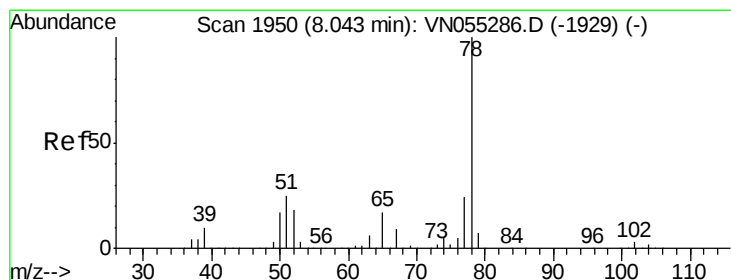
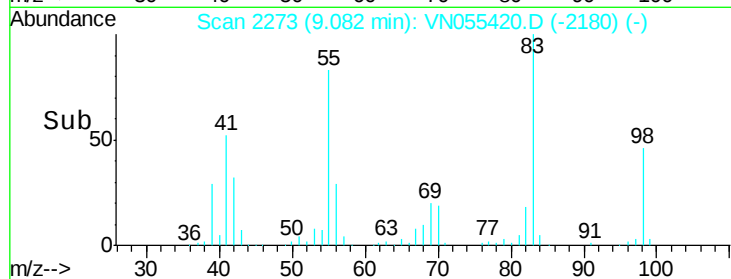
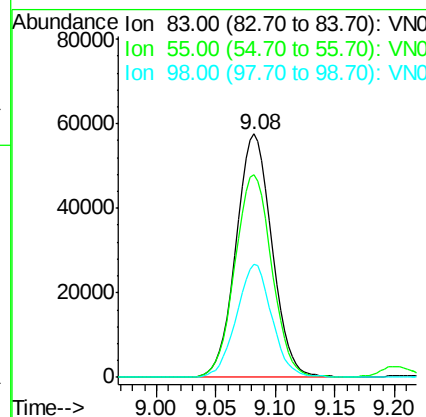
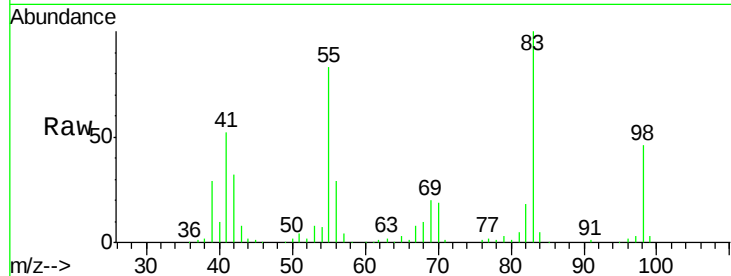
#39
Methvlcvclohexane
Concen: 18.969 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion	83	Resp	120663
Ion Ratio	100	Lower	Upper
83	100		
55	82.7	67.8	101.6
98	46.4	36.2	54.4

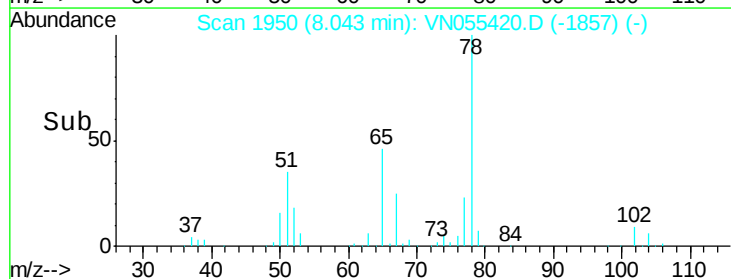
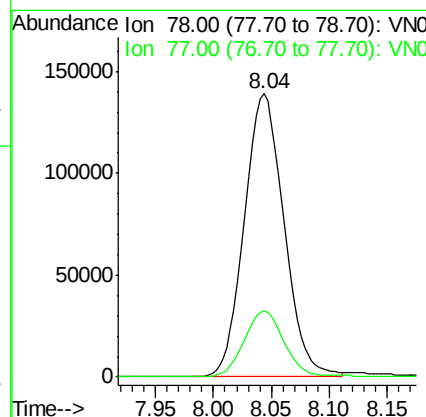
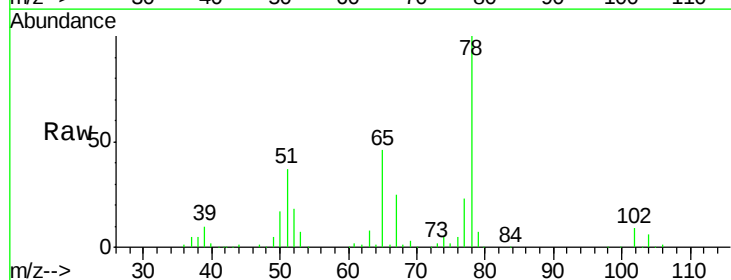
Manual Integrations
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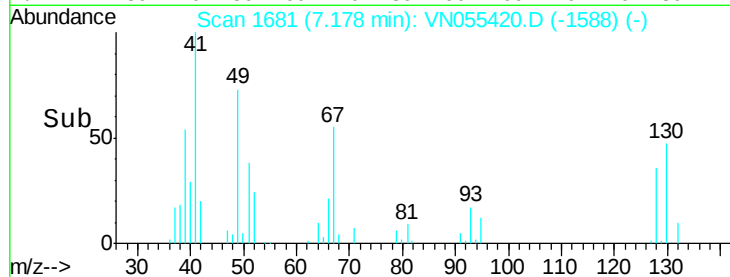
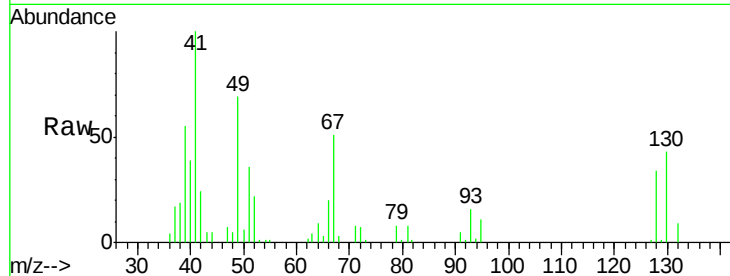
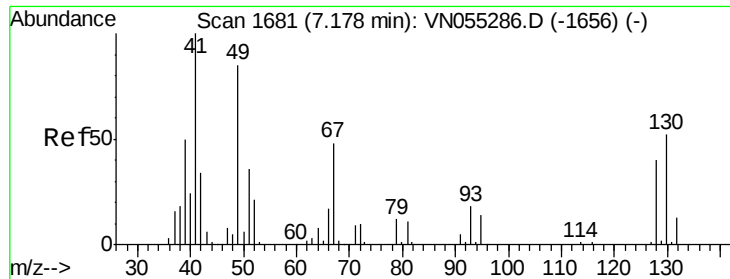
MMDadoda
5/7/2019 1:22:47 PM



#40
Benzene
Concen: 18.880 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

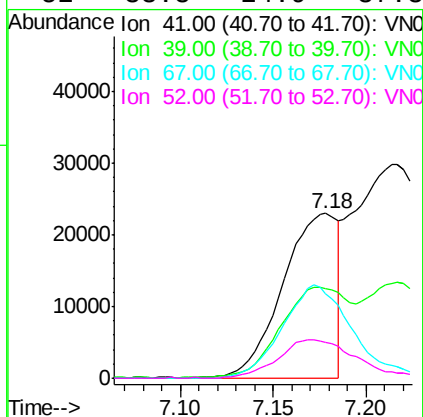
Tgt Ion	78	Resp	332986
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	19.0	28.6





#41
Methacrylonitrile
Concen: 19.569 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

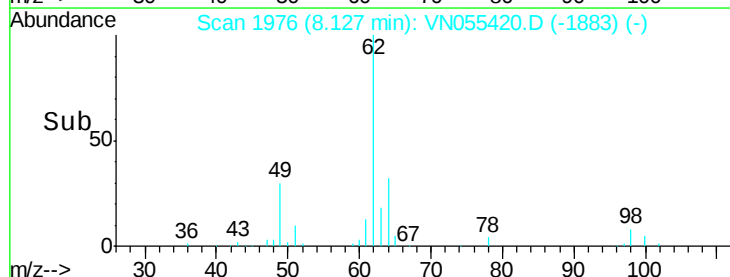
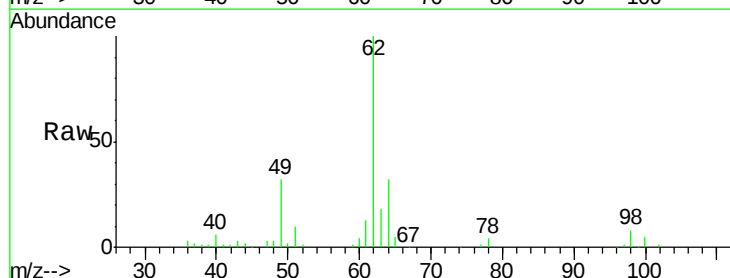
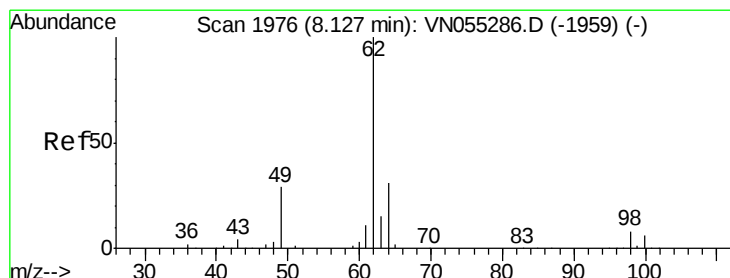
Tot Ion	Ratio	Lower	Upper
41	100		
39	70.1	48.5	72.7
67	71.8	54.9	82.3
52	33.8	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

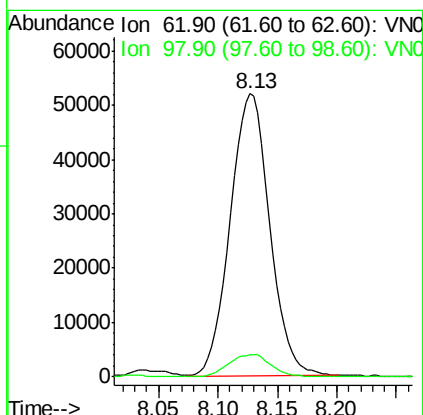
Manual Integrations
APPROVED

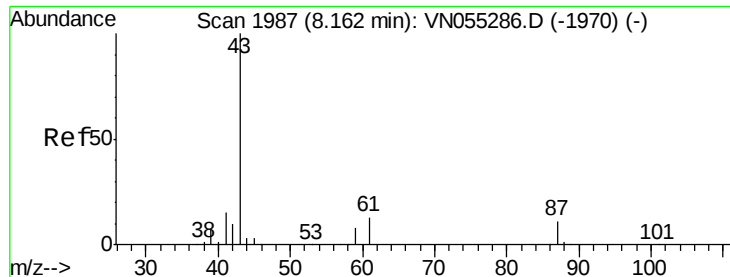
MMDadoda
5/7/2019 1:22:47 PM



#42
1,2-Dichloroethane
Concen: 19.121 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4





#43

Isopropyl Acetate

Concen: 21.572 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

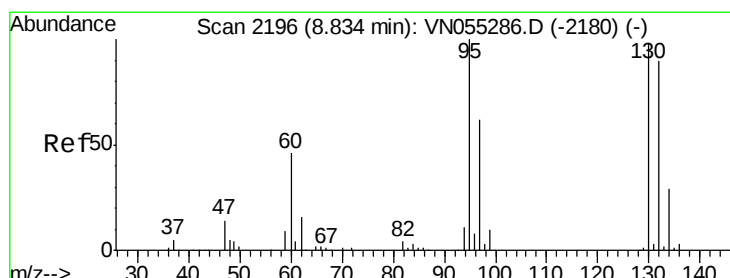
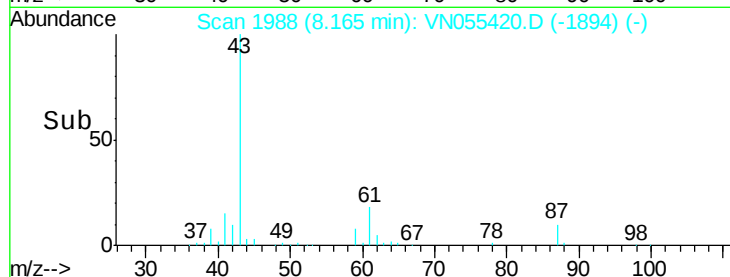
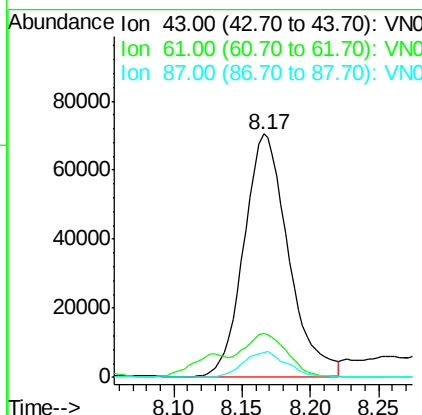
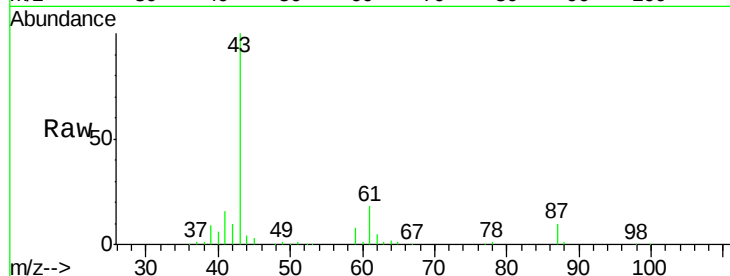
ClientSampleId :

VN0506MBSD01

Tot Ion:	43	Resp:	158966
Ion	Ratio	Lower	Upper
43	100		
61	17.3	20.8	31.2#
87	10.4	8.5	12.7

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#44

Trichloroethene

Concen: 18.735 ug/l

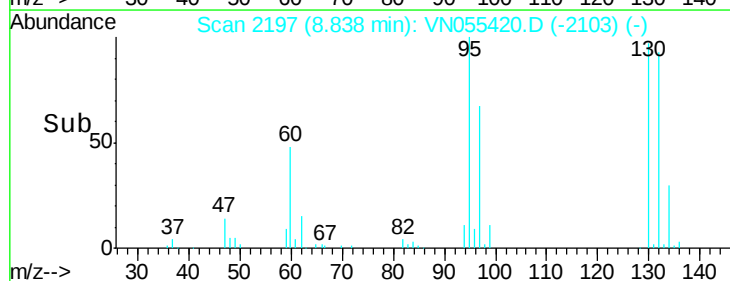
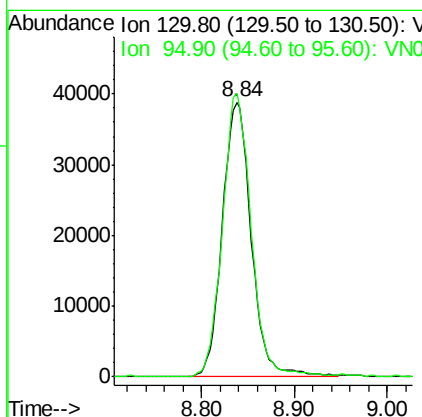
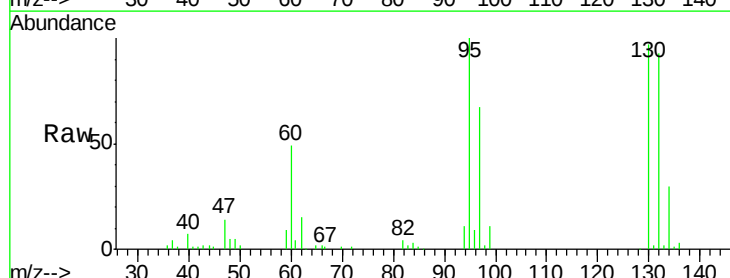
RT: 8.84 min Scan# 2197

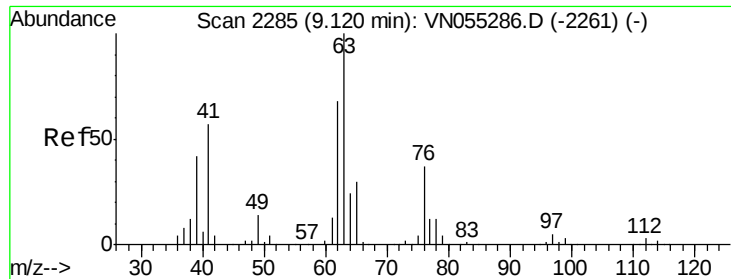
Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion:	130	Resp:	84237
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	203.4





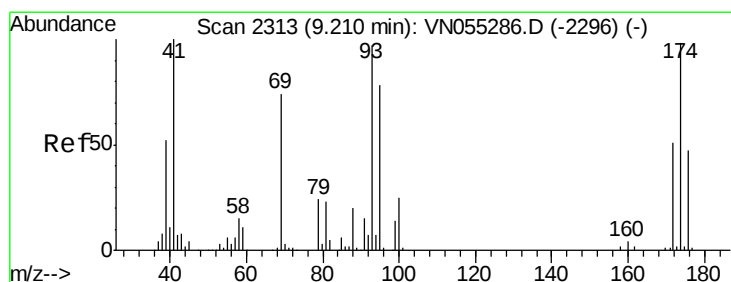
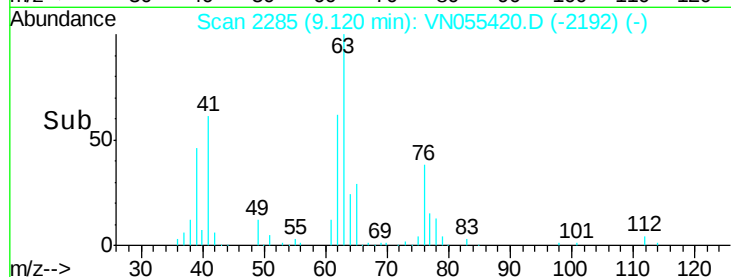
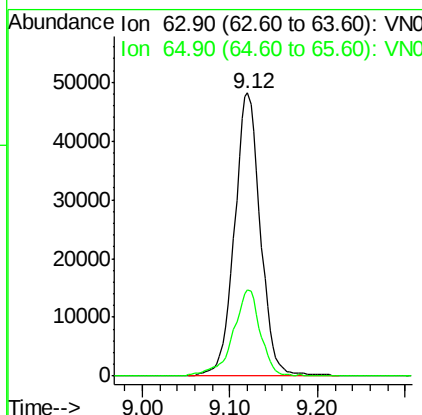
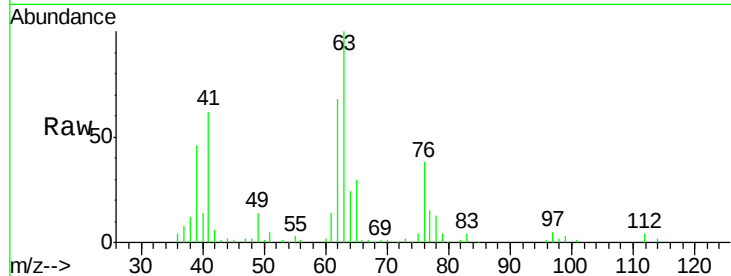
#45
 1,2-Dichloropropane
 Concen: 19.477 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion: 63 Resp: 99076
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.9 35.9

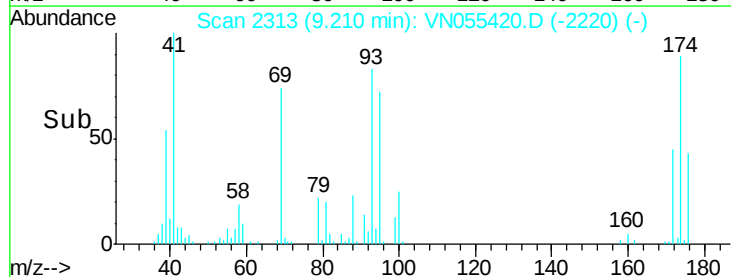
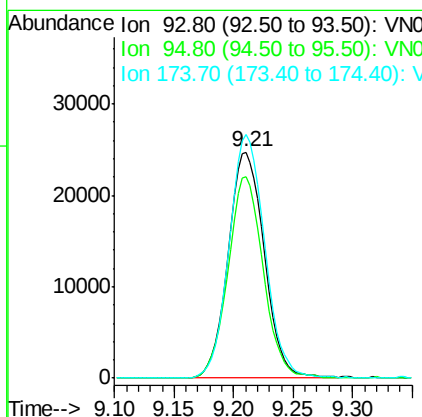
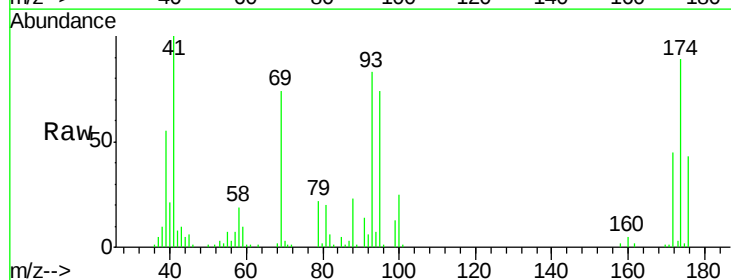
Manual Integrations
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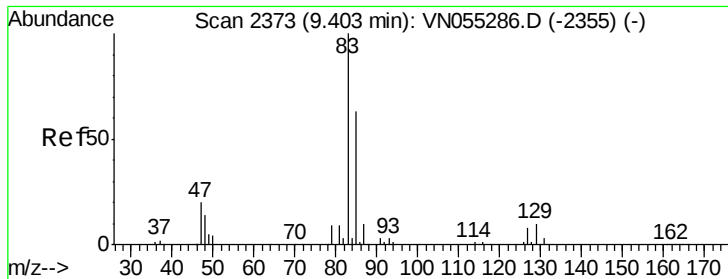
MMDadoda
 5/7/2019 1:22:47 PM



#46
 Dibromomethane
 Concen: 18.736 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 93 Resp: 52095
 Ion Ratio Lower Upper
 93 100
 95 86.9 65.7 98.5
 174 106.2 81.5 122.3





#47

Bromodichloromethane

Concen: 19.408 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

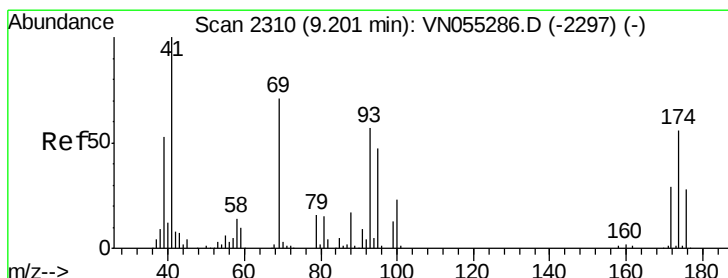
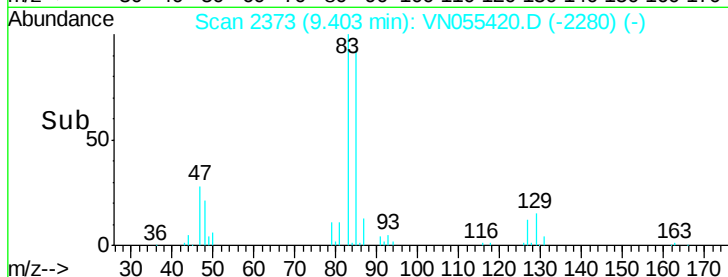
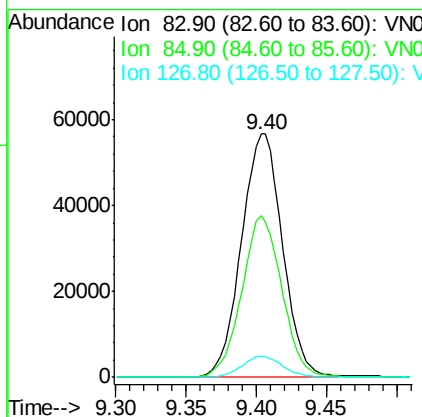
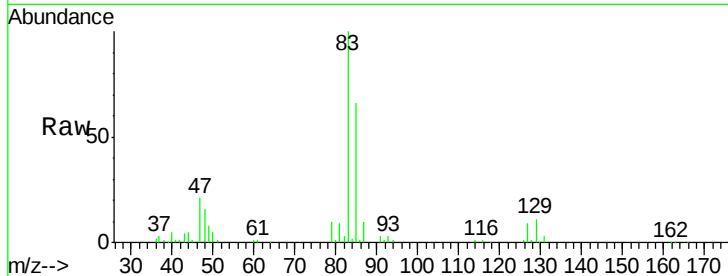
ClientSampleId :

VN0506MBSD01

Tot Ion:	83	Resp:	115767
Ion Ratio	Lower	Upper	
83	100		
85	66.4	50.1	75.1
127	8.7	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.583 ug/l

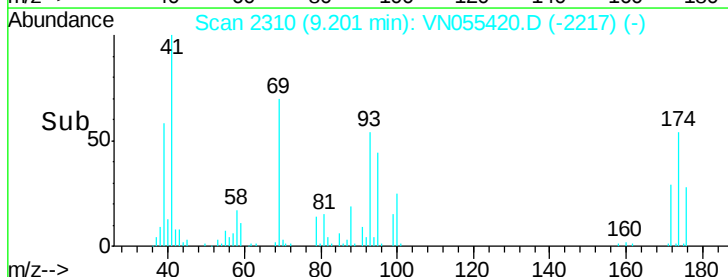
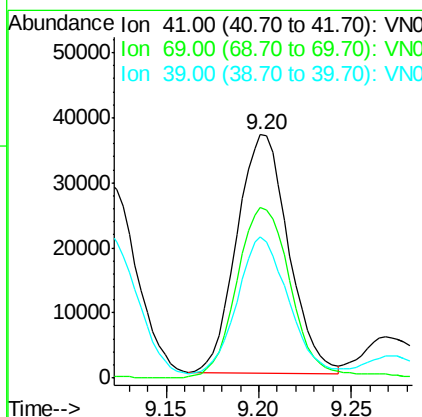
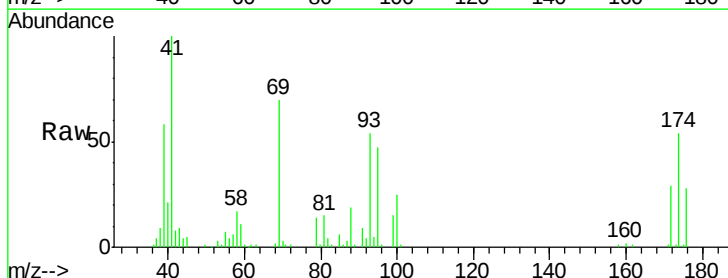
RT: 9.20 min Scan# 2310

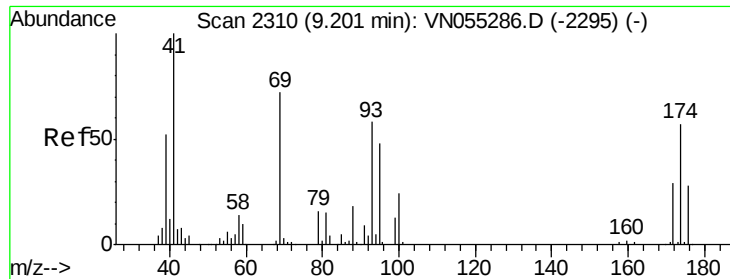
Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion:	41	Resp:	70940
Ion Ratio	Lower	Upper	
41	100		
69	75.9	58.6	87.8
39	58.3	43.8	65.6





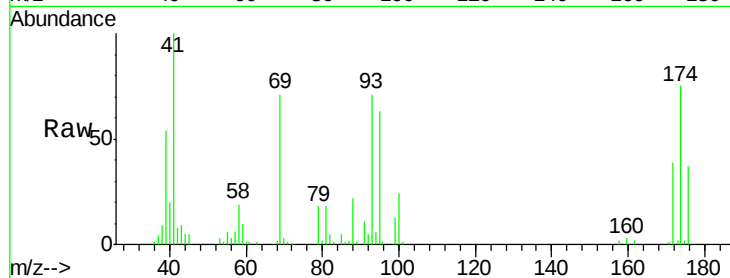
#49
1,4-Dioxane
Concen: 427.020 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	33.3	49.9
58	82.9	62.7	94.1

Manual Integrations
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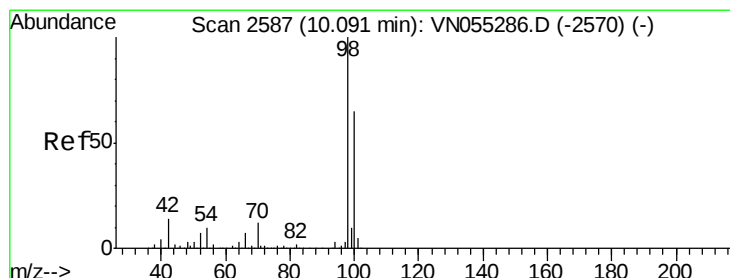
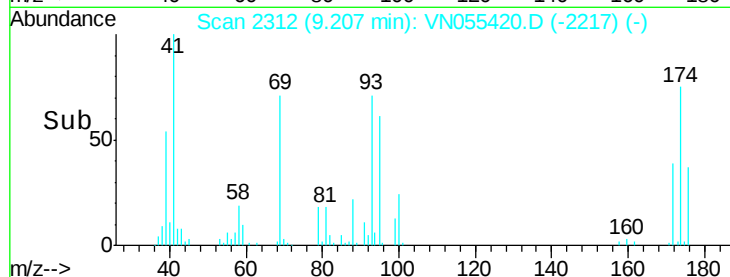
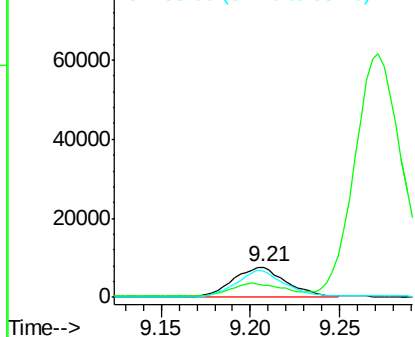


Abundance

Ion 88.00 (87.70 to 88.70): VN055420.D (-2312) (-)

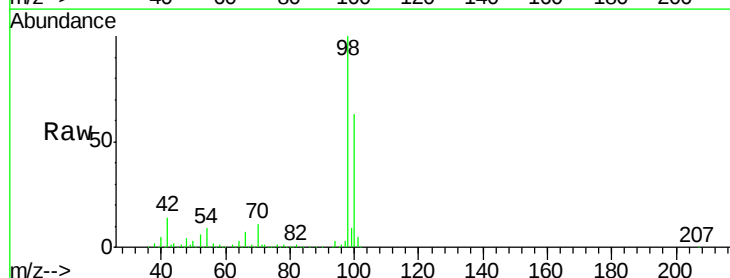
Ion 43.00 (42.70 to 43.70): VN055420.D (-2312) (-)

Ion 58.00 (57.70 to 58.70): VN055420.D (-2312) (-)



#50
Toluene-d8
Concen: 45.434 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

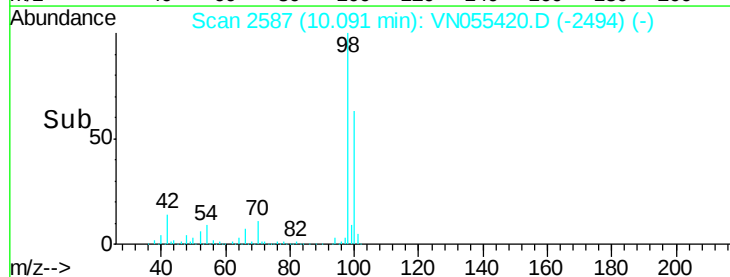
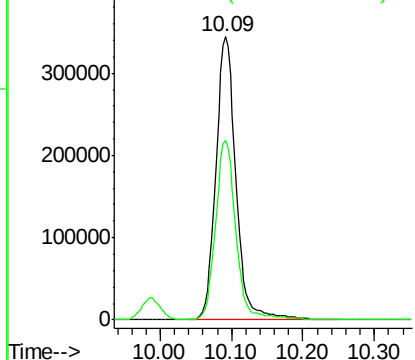
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5



Abundance

Ion 98.00 (97.70 to 98.70): VN055420.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN055420.D (-2587) (-)





#51

4-Methyl-2-Pentanone

Concen: 105.610 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleID :

VN0506MBSD01

Tot Ion: 43 Resp: 438158

Ion Ratio Lower Upper

43 100

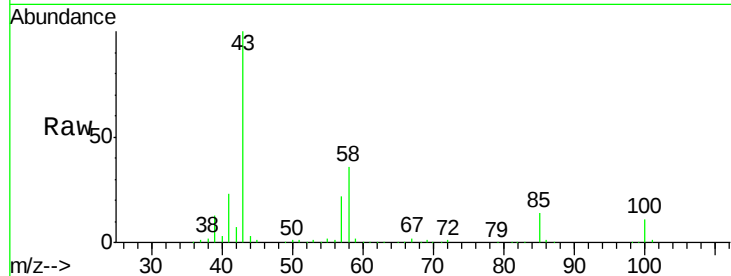
58 35.4 28.5 42.7

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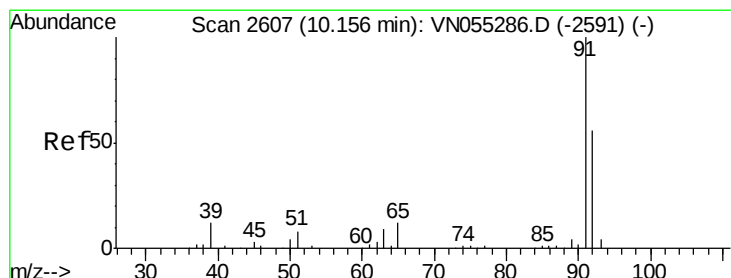
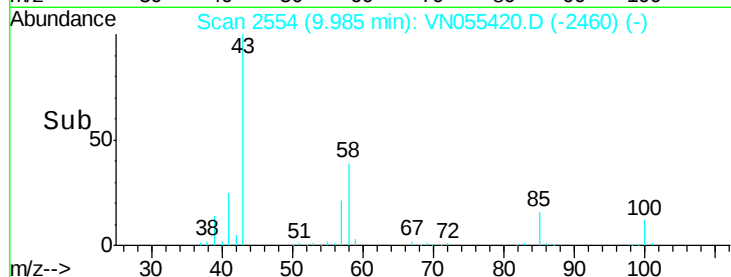
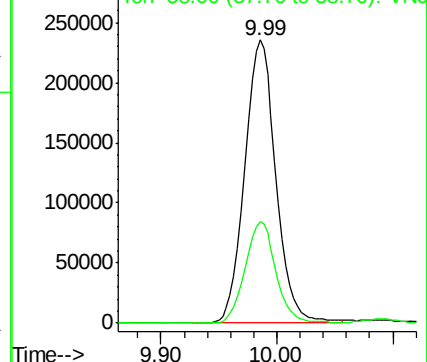
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.081 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055420.D

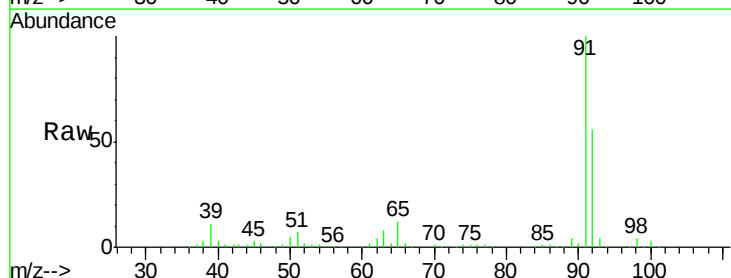
Acq: 6 May 2019 17:04

Tgt Ion: 92 Resp: 193096

Ion Ratio Lower Upper

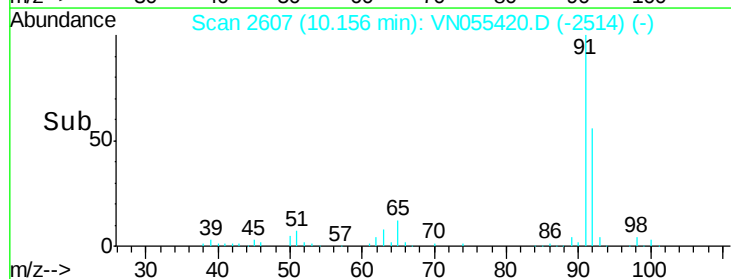
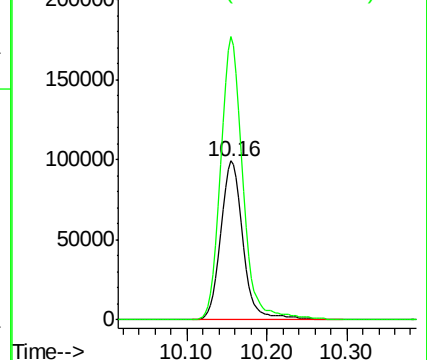
92 100

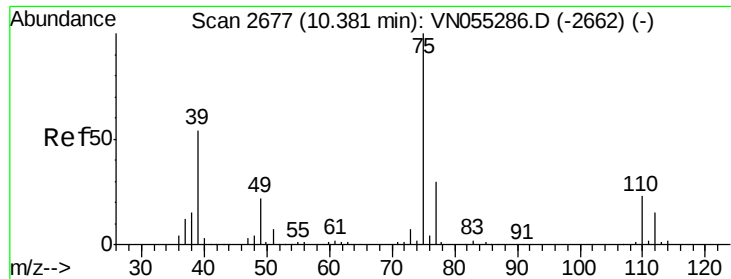
91 177.5 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





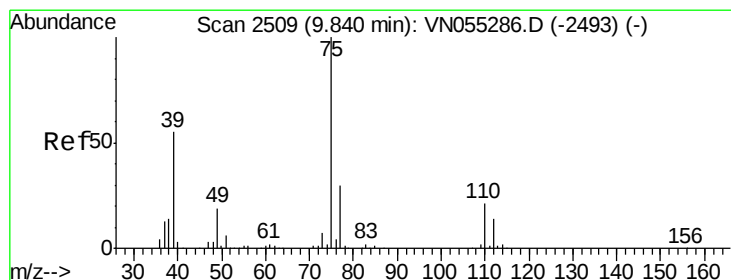
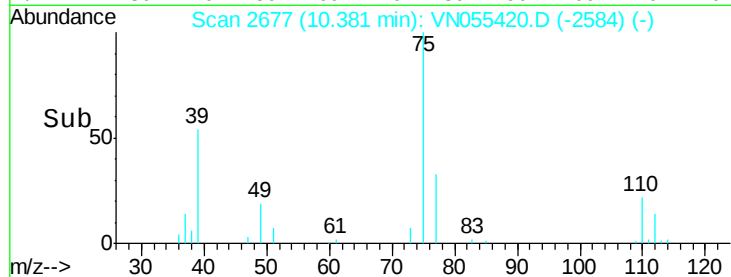
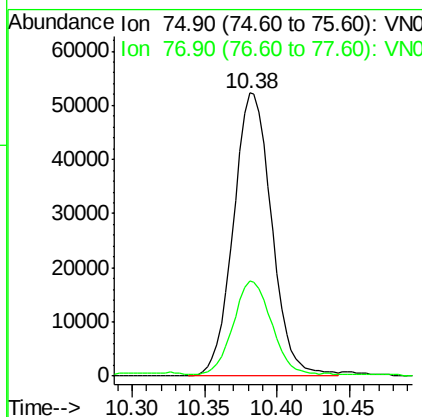
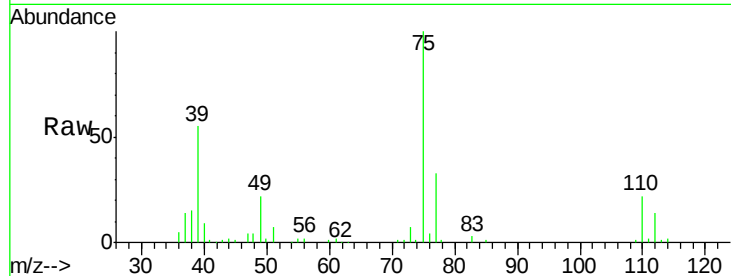
#53
t-1,3-Dichloropropene
Concen: 18.558 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion	75	Resp	Lower	Upper
96097				
Ion Ratio	100			
77	33.0	24.4	36.6	

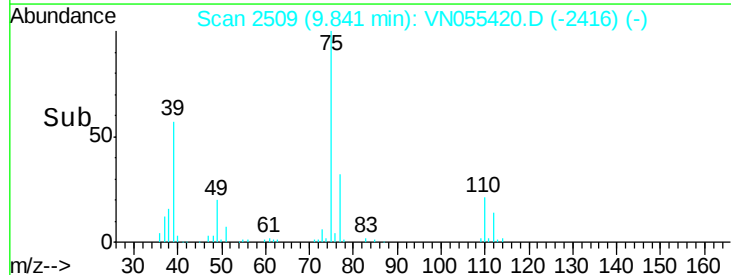
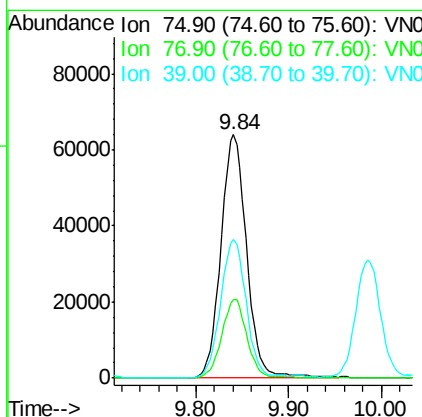
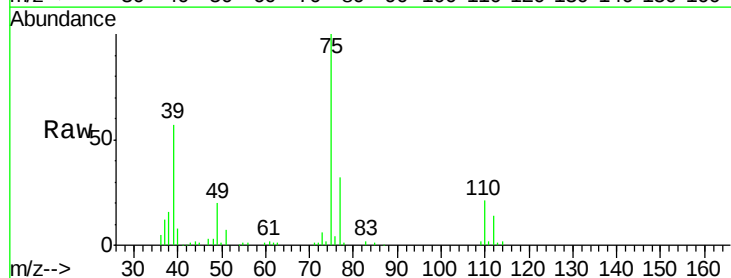
Manual Integrations
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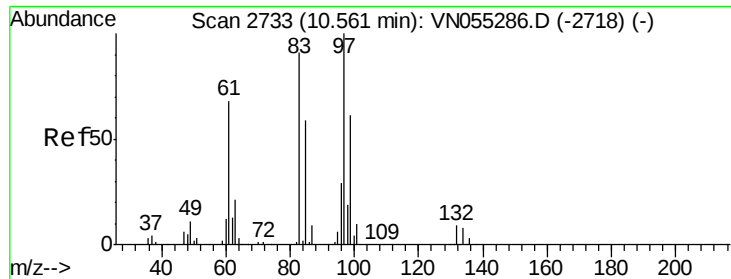
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#54
cis-1,3-Dichloropropene
Concen: 19.056 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	75	Resp	Lower	Upper
123030				
Ion Ratio	100			
77	32.4	24.2	36.2	
39	56.5	44.2	66.2	





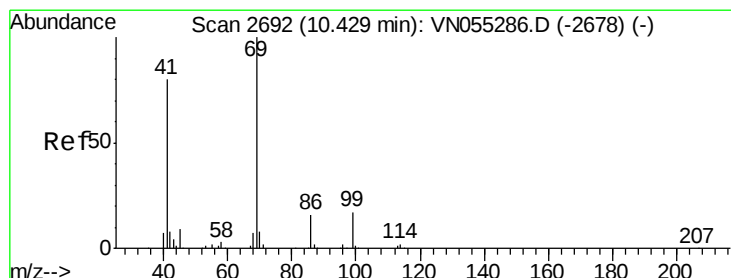
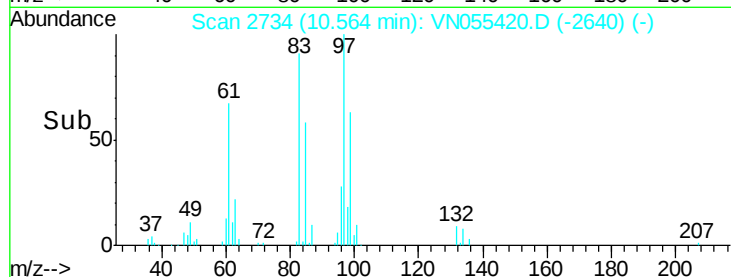
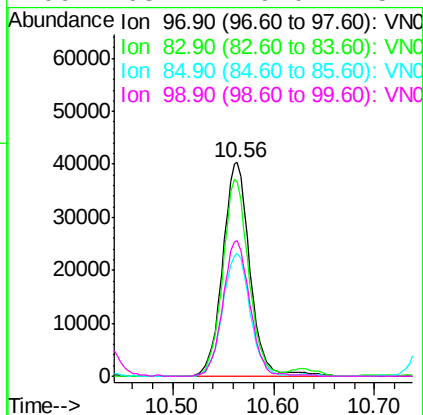
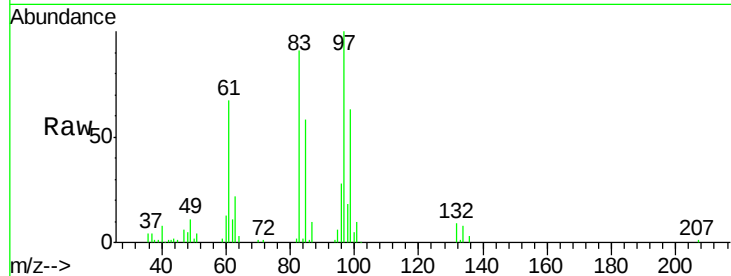
#55
 1,1,2-Trichloroethane
 Concen: 20.250 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion:	97	Resp:	76096
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.8	109.2
85	57.6	47.0	70.6
99	63.4	49.0	73.4

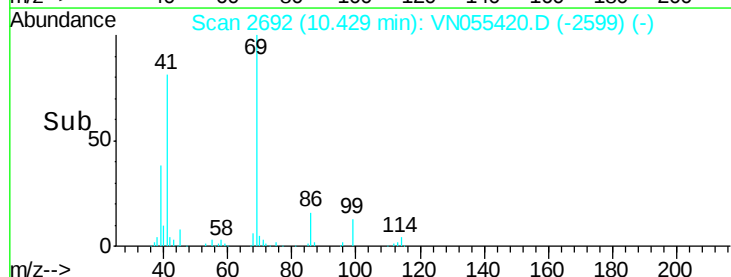
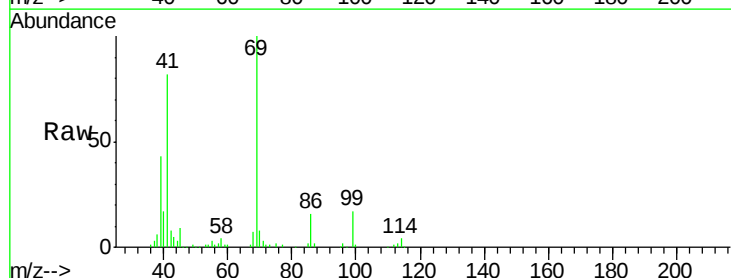
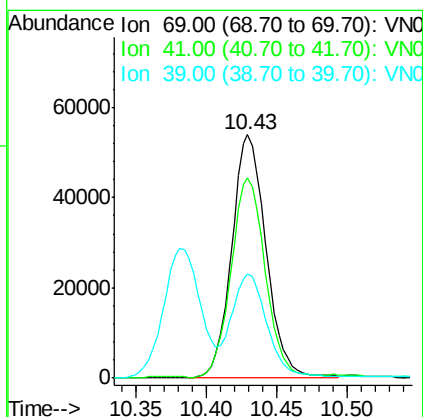
Manual Integrations
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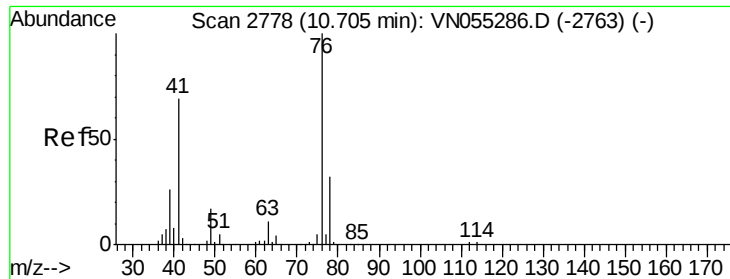
MMDadoda
 5/7/2019 1:22:47 PM



#56
 Ethyl methacrylate
 Concen: 19.982 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion:	69	Resp:	92424
Ion	Ratio	Lower	Upper
69	100		
41	81.1	62.7	94.1
39	43.9	32.0	48.0





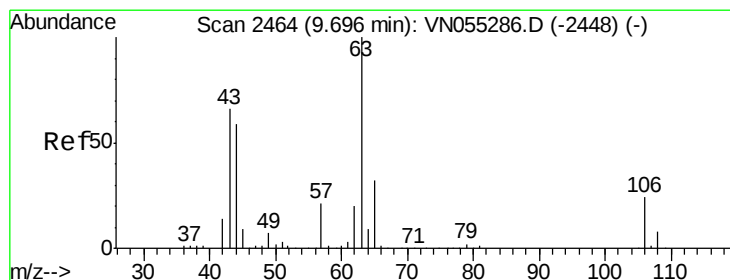
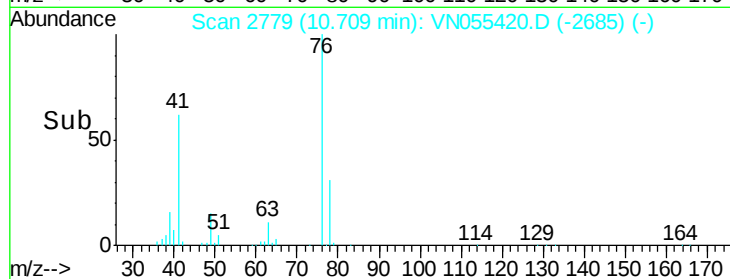
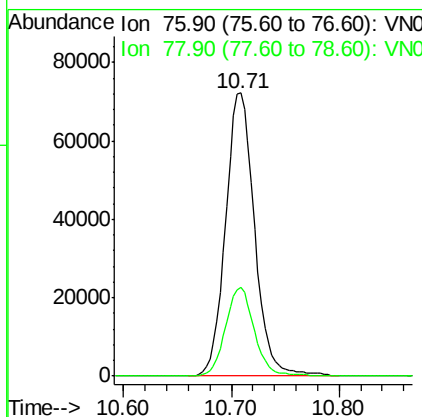
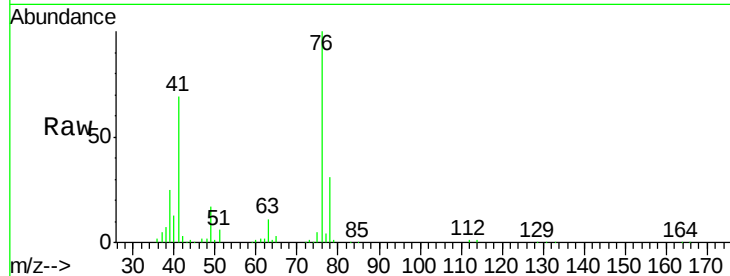
#57
 1,3-Dichloropropane
 Concen: 20.487 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion: 76 Resp: 135053
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.6 38.4

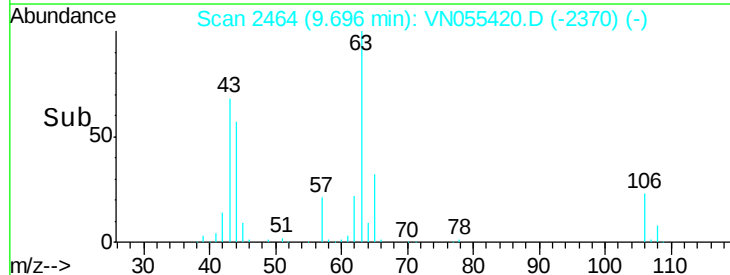
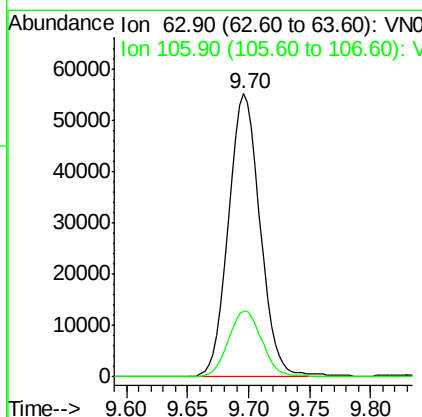
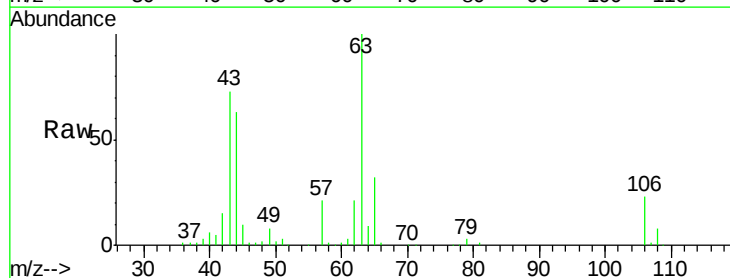
Manual Integrations
 APPROVED

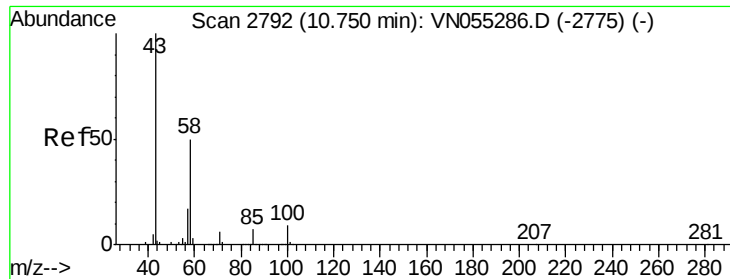
MMDadoda
 5/7/2019 1:22:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 78.950 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion: 63 Resp: 100509
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.0 28.4





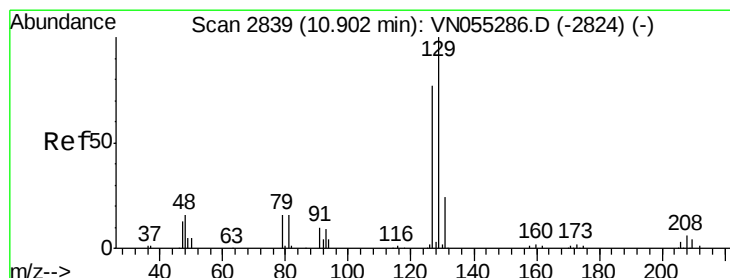
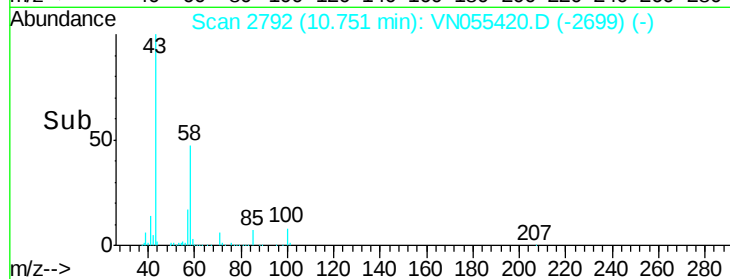
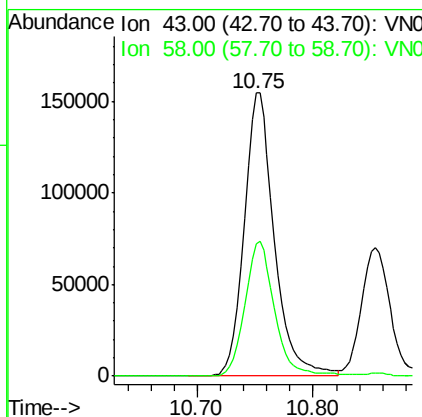
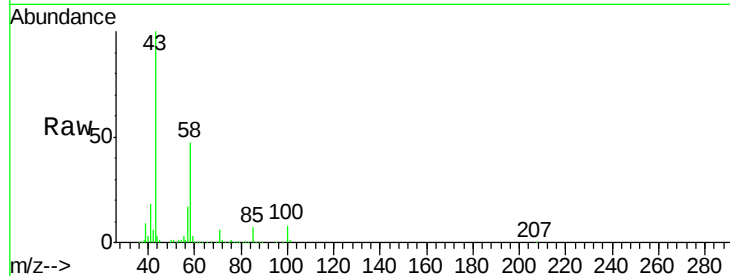
#59
2-Hexanone
Concen: 106.762 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.3	24.9	74.6

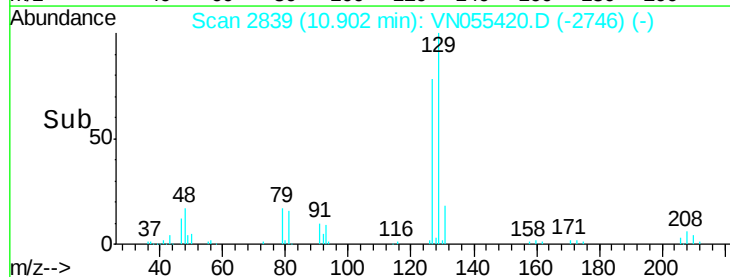
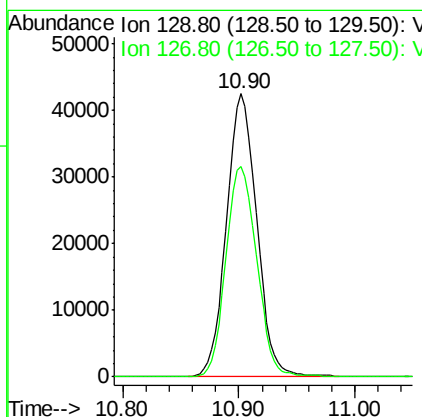
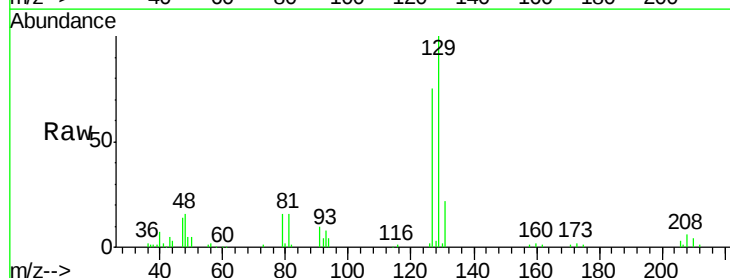
Manual Integrations
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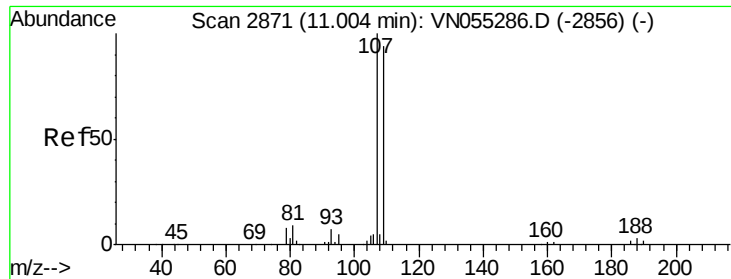
MMDadoda
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#60
Dibromochloromethane
Concen: 20.006 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.1	114.5





#61

1,2-Dibromoethane

Concen: 19.423 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion: 107 Resp: 67462

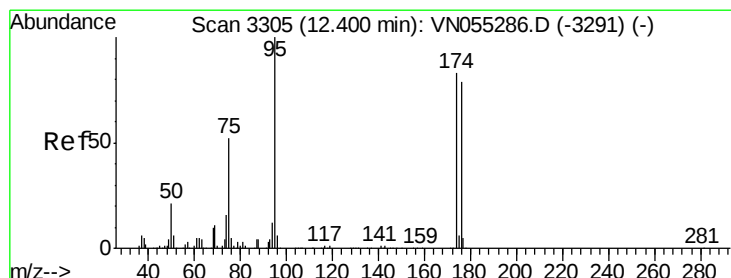
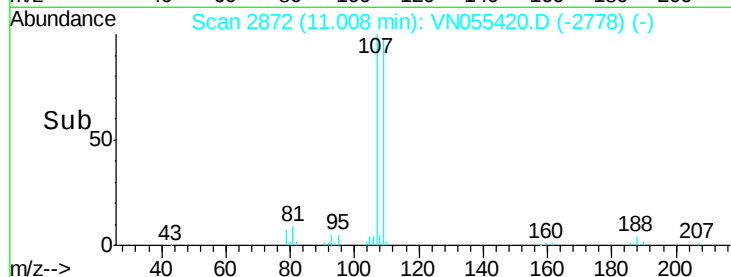
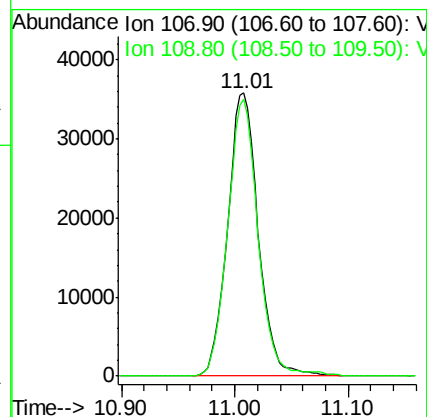
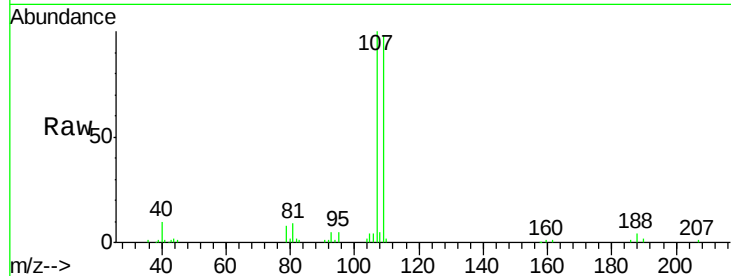
Ion Ratio Lower Upper

107 100

109 96.0 75.0 112.6

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.063 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

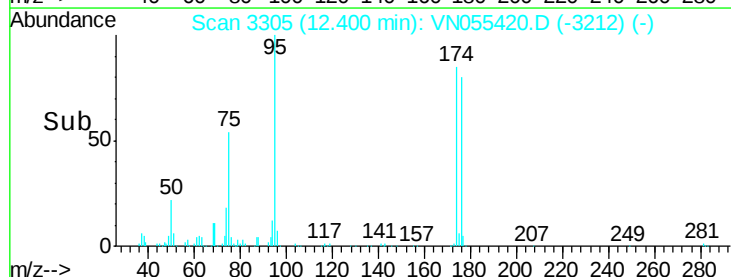
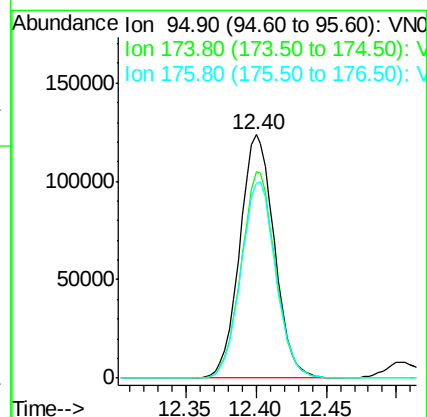
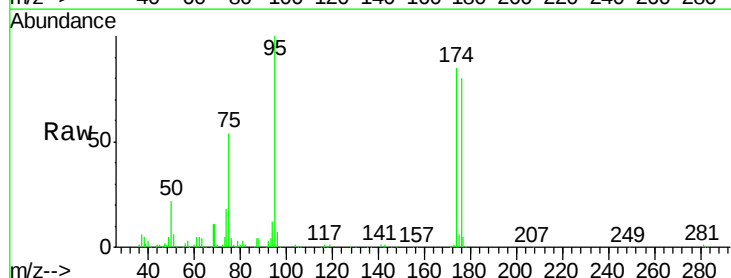
Tgt Ion: 95 Resp: 213120

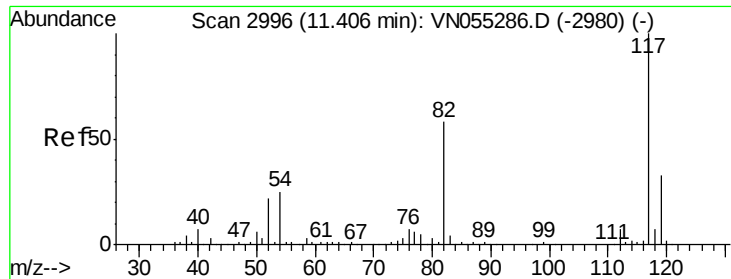
Ion Ratio Lower Upper

95 100

174 83.9 0.0 166.6

176 81.0 0.0 157.8





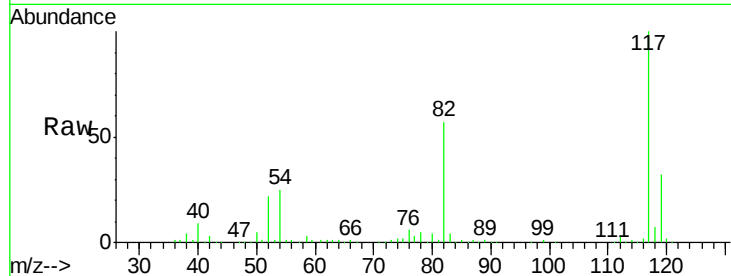
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampled :
VN0506MBSD01

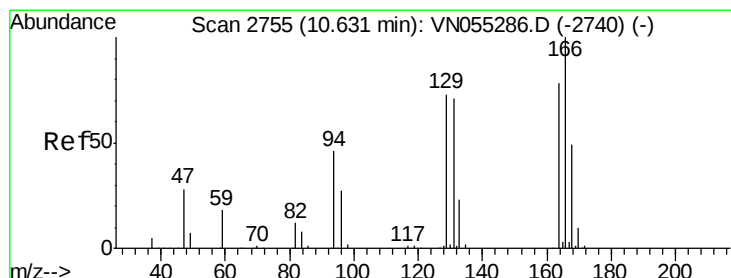
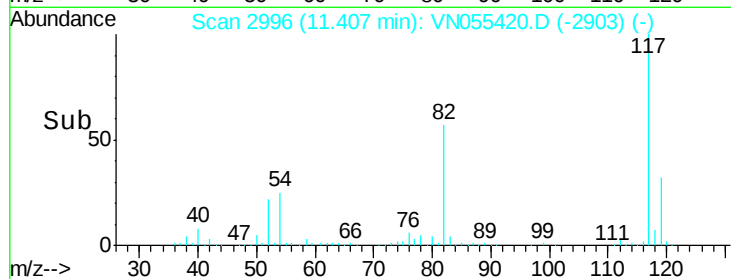
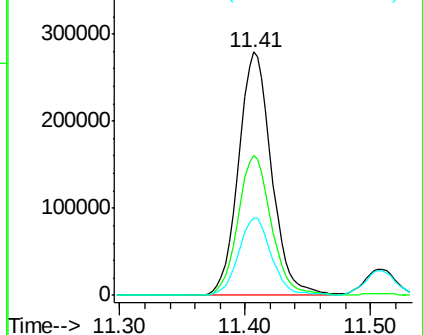
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.2	69.4
119	32.0	26.6	40.0

Manual Integrations
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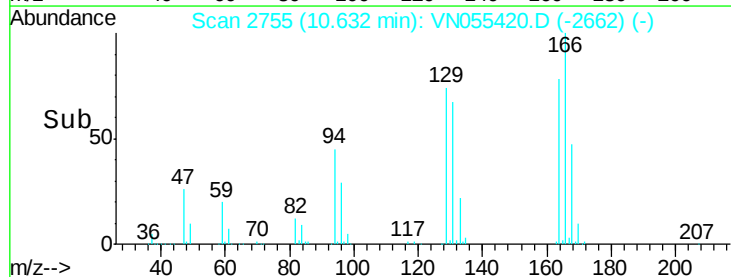
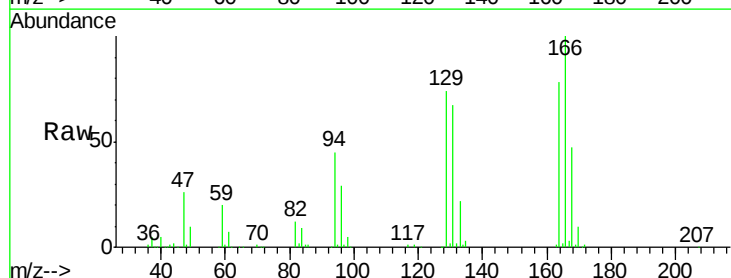
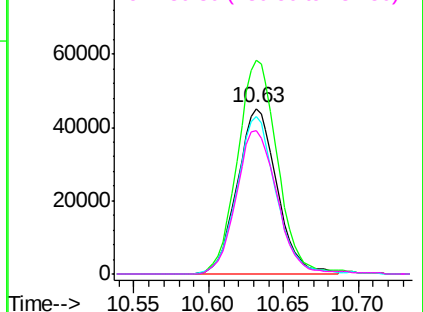
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

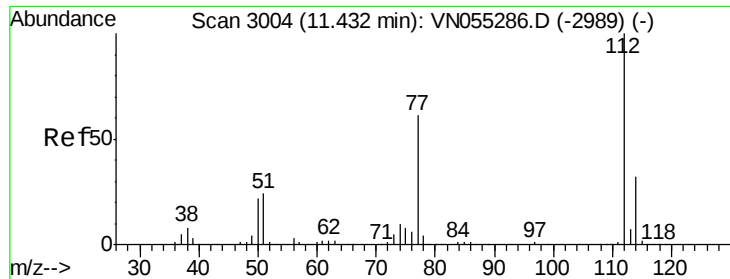


#64
Tetrachloroethene
Concen: 19.951 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.3	153.5
129	95.2	75.0	112.6
131	86.7	72.7	109.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.272 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion:112 Resp: 192475

Ion Ratio Lower Upper

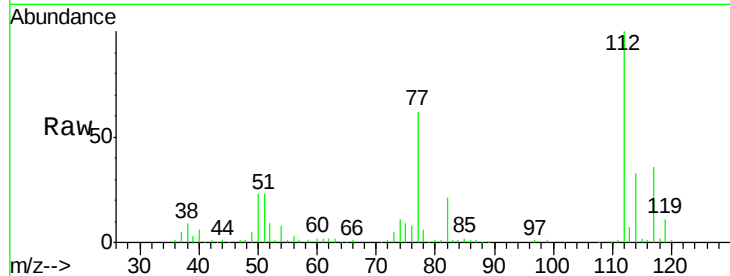
112 100

114 32.7 25.3 37.9

Manual Integrations
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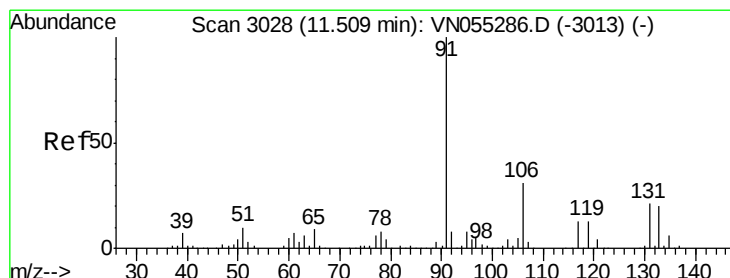
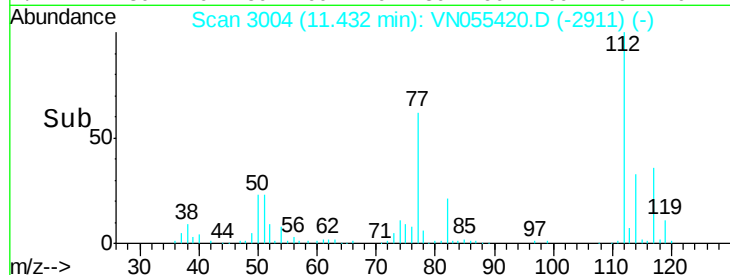
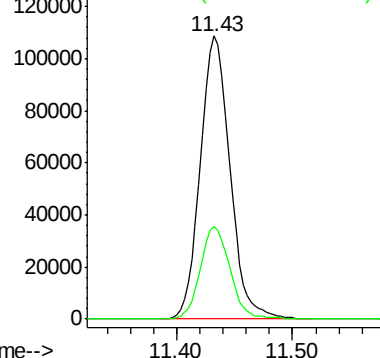
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.355 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

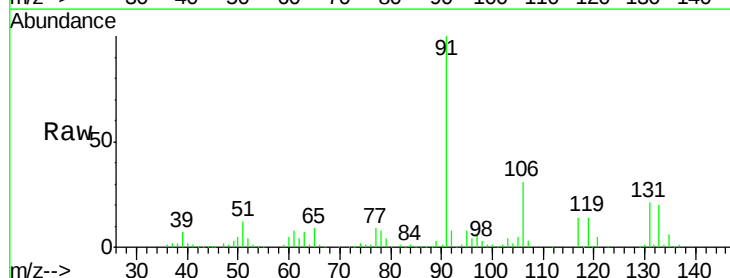
Tgt Ion:131 Resp: 75691

Ion Ratio Lower Upper

131 100

133 94.3 47.5 142.6

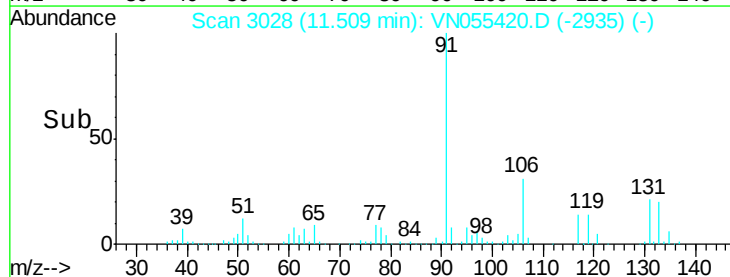
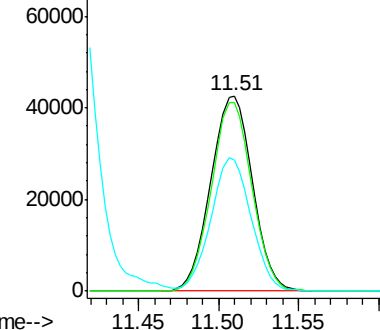
119 65.8 32.7 98.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





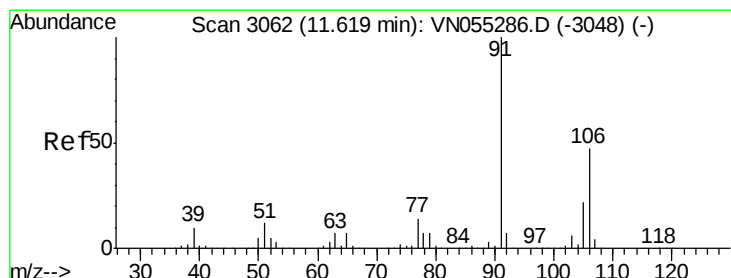
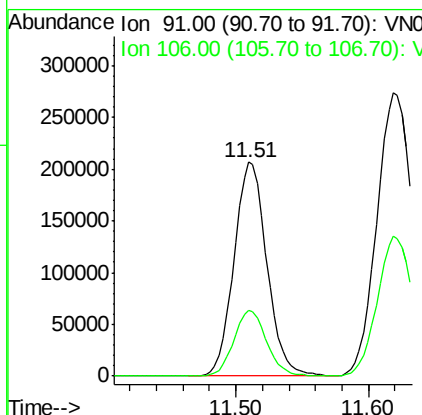
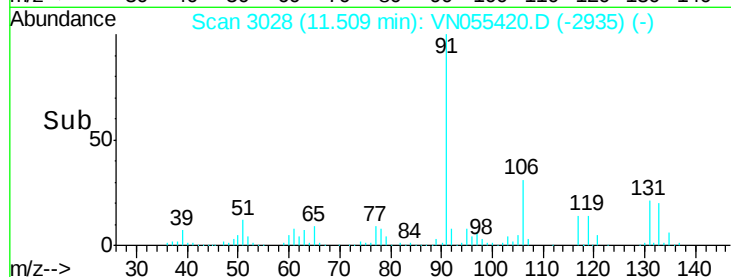
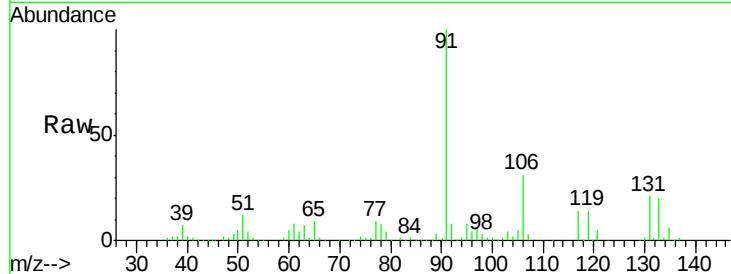
#67
Ethyl Benzene
Concen: 19.729 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion: 91 Resp: 355809
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

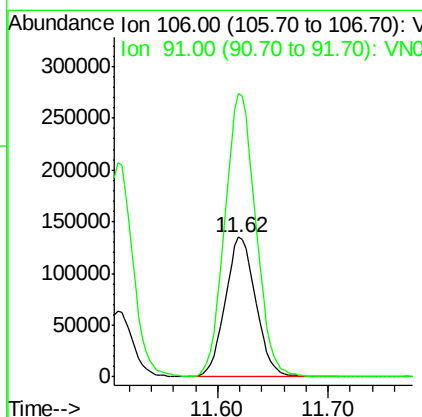
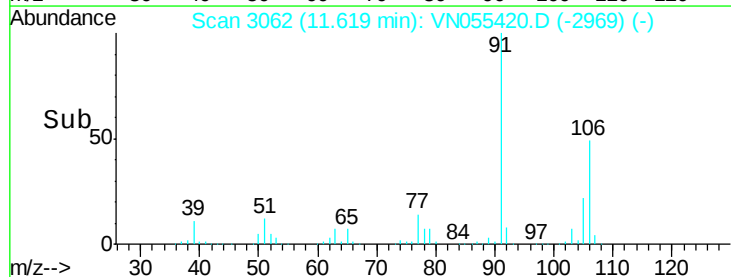
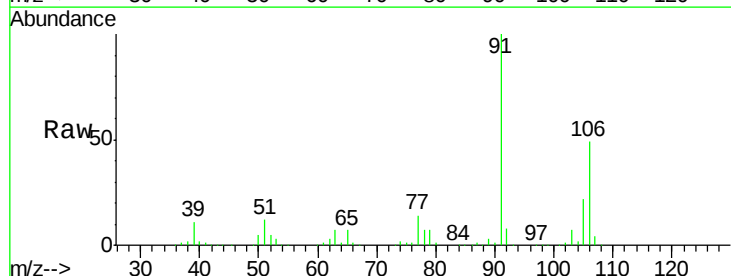
Manual Integrations
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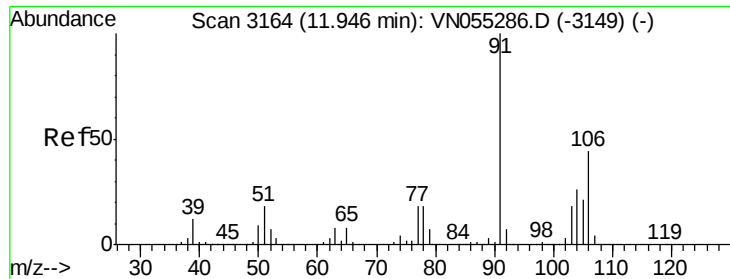
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#68
m/p-Xylenes
Concen: 40.297 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion: 106 Resp: 259415
Ion Ratio Lower Upper
106 100
91 204.9 169.5 254.3





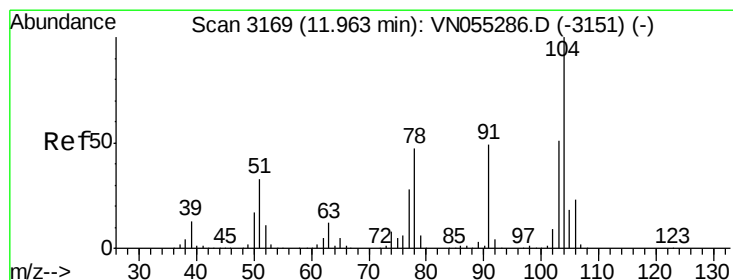
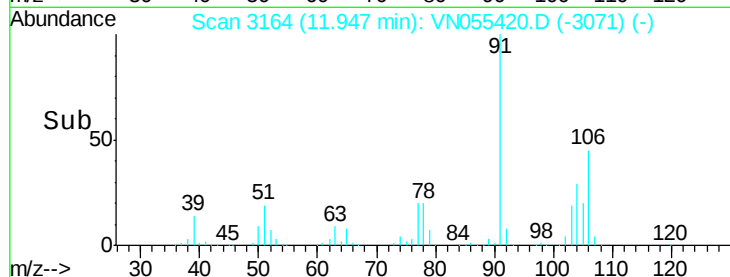
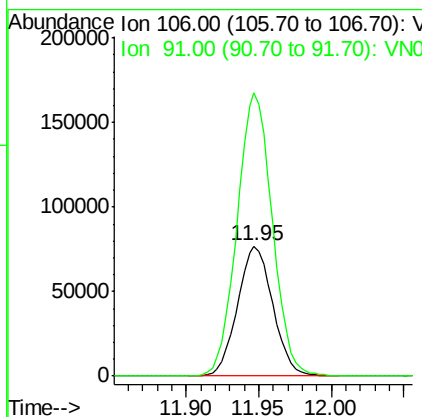
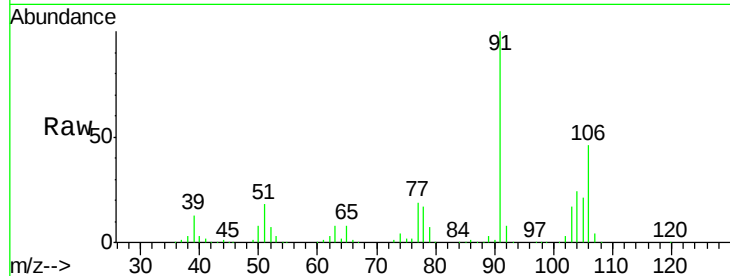
#69
o-Xylene
Concen: 20.427 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion:106 Resp: 130337
Ion Ratio Lower Upper
106 100
91 217.0 111.5 334.5

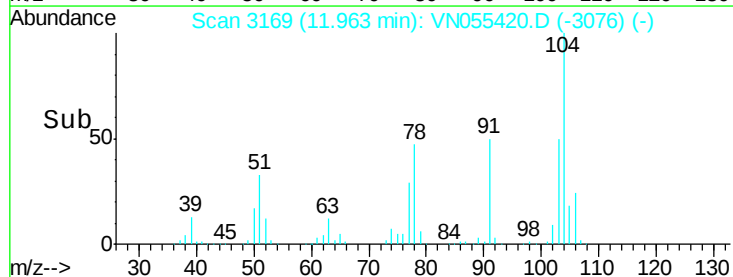
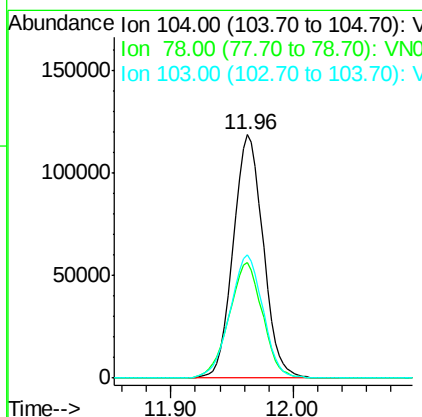
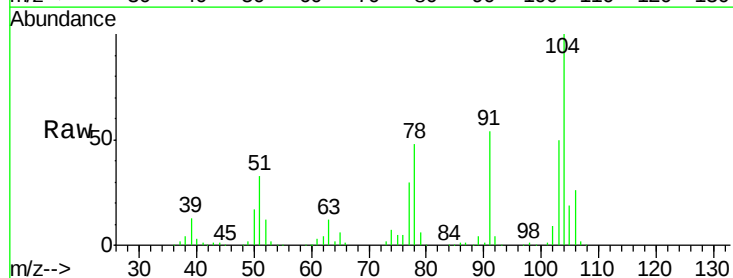
Manual Integrations
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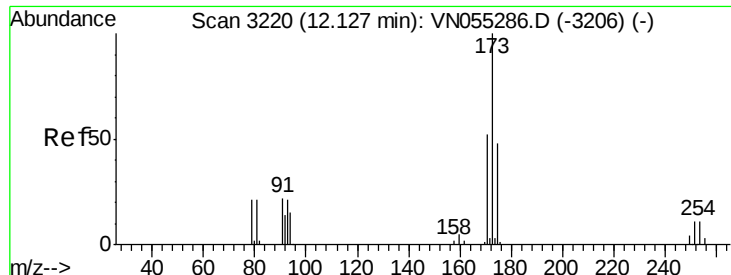
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#70
Styrene
Concen: 20.701 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion:104 Resp: 202803
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.2
103 55.9 44.6 67.0





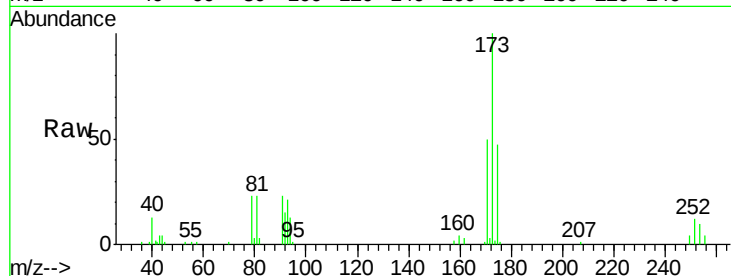
#71
Bromoform
Concen: 20.657 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

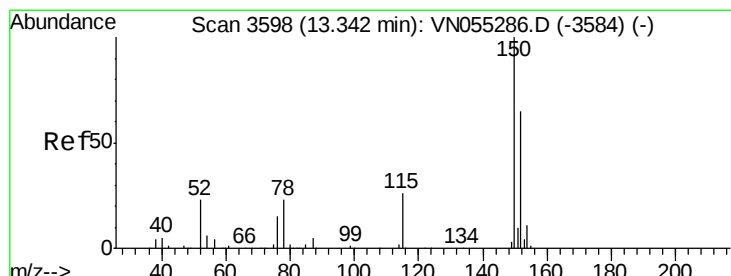
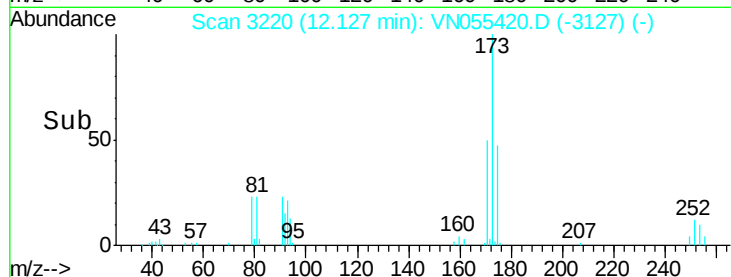
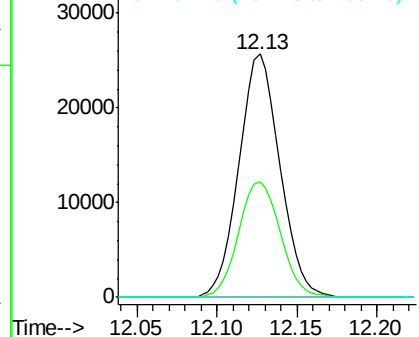
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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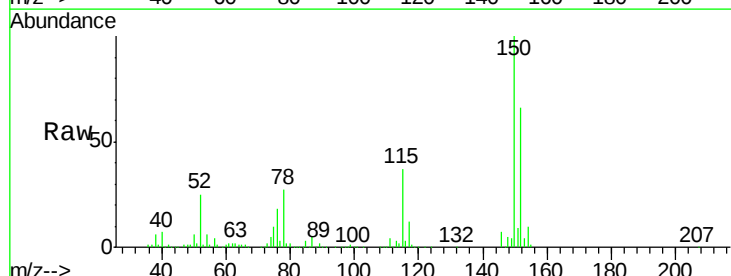


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

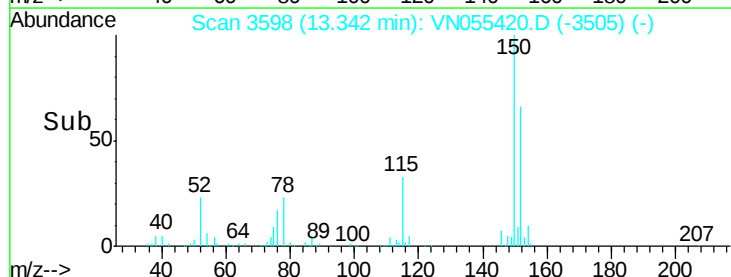
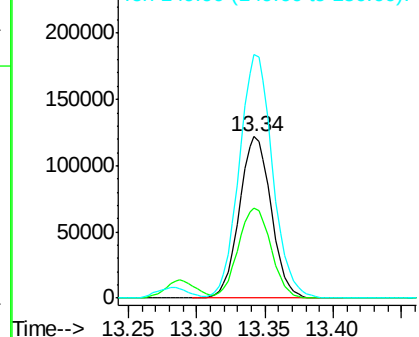


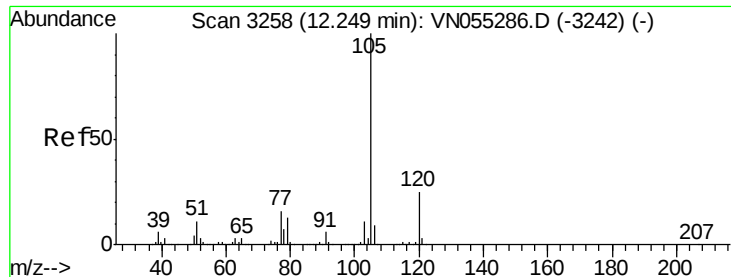
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.0	87.0
150	158.1	0.0	345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





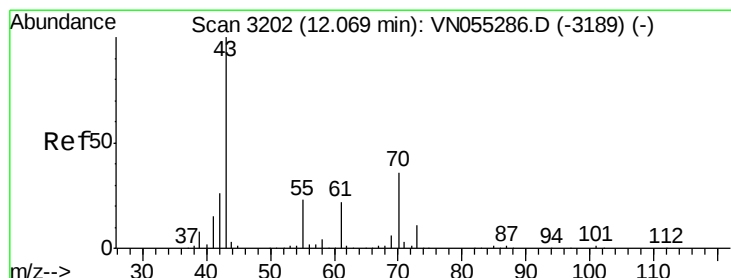
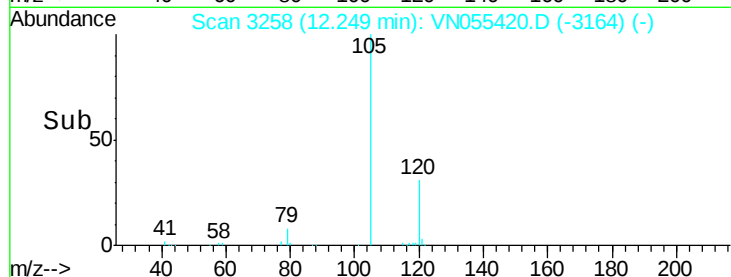
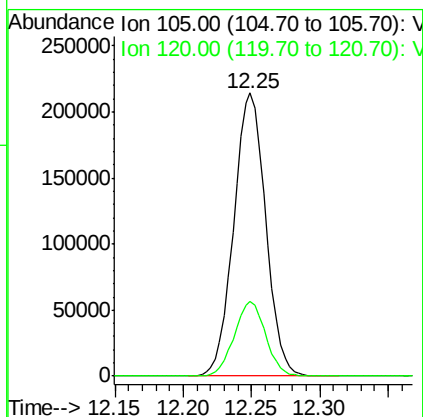
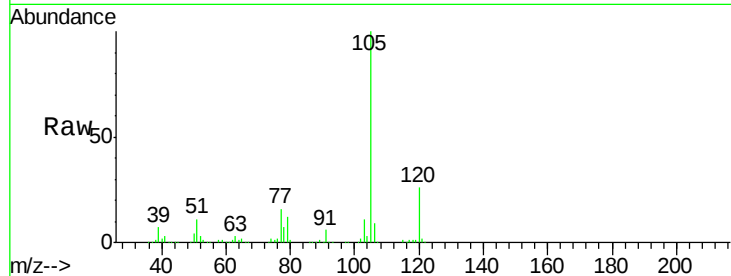
#73
Isopropylbenzene
Concen: 20.301 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

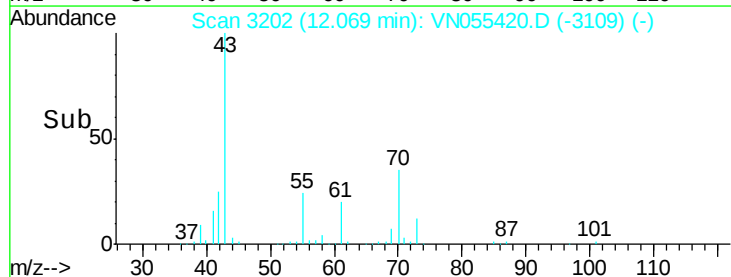
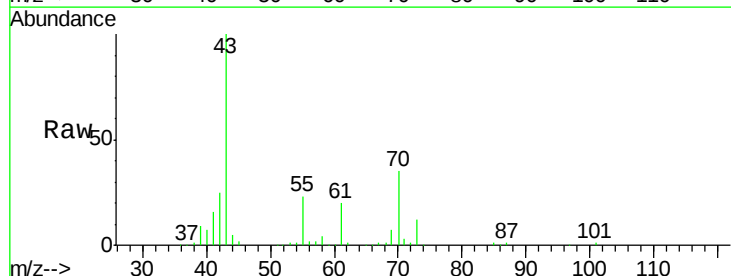
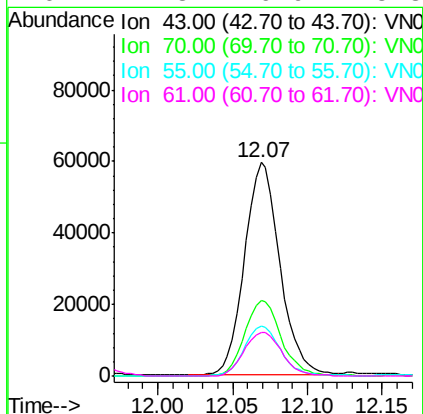
Manual Integrations
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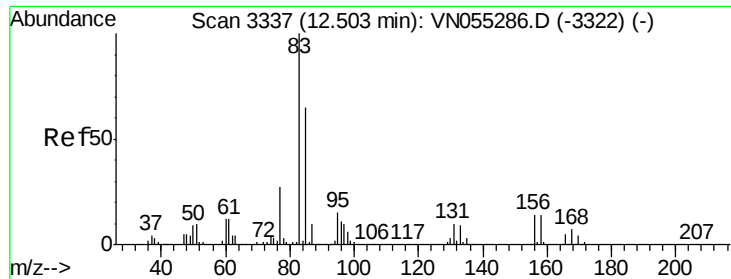
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#74
N-ethyl acetate
Concen: 19.436 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.2	27.9	41.9
55	24.4	18.2	27.2
61	21.8	16.9	25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.234 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

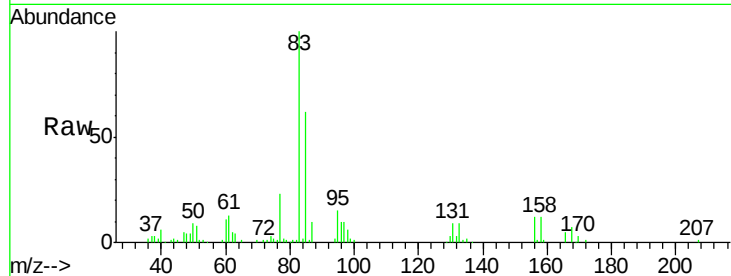
ClientSampled :

VN0506MBSD01

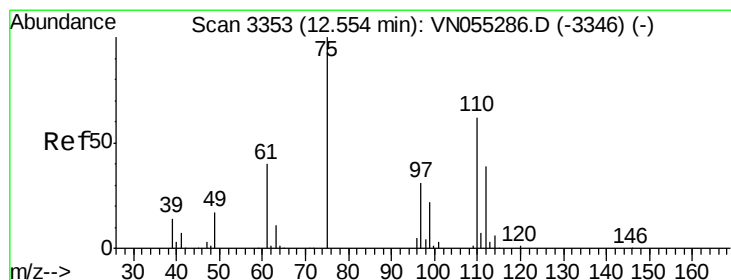
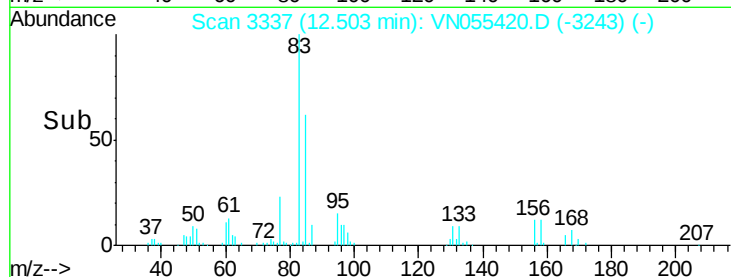
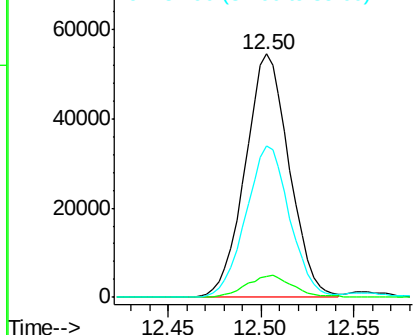
Tot Ion:	83	Resp:	90217
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.1	15.2
85	62.1	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 18.307 ug/l m

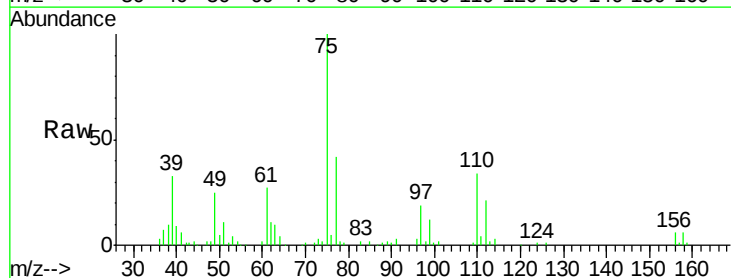
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

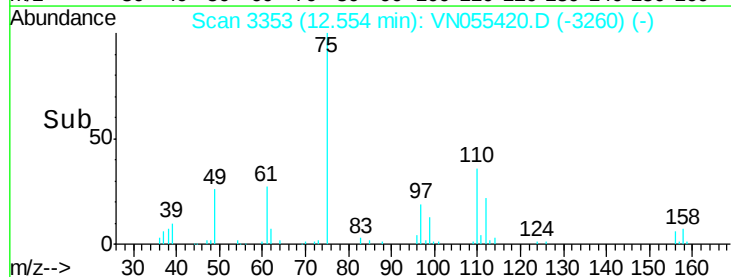
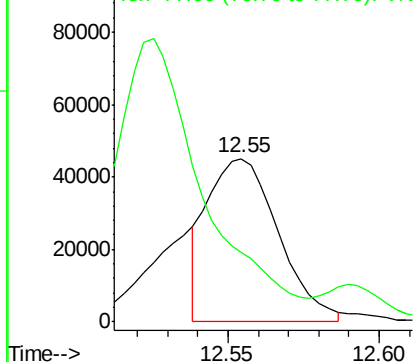
Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion:	75	Resp:	73036
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.850 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

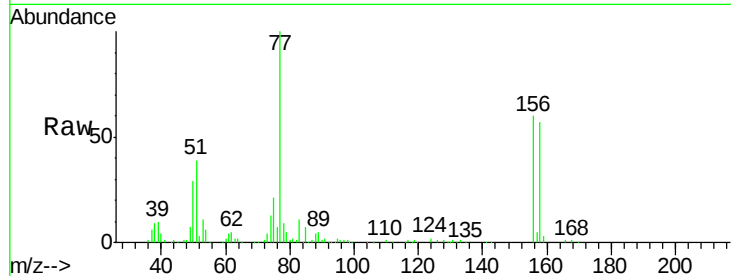
ClientSampled :

VN0506MBSD01

Tot Ion:	156	Resp:	79766
Ion	Ratio	Lower	Upper
156	100		
77	202.7	99.6	298.8
158	97.8	49.3	147.8

Manual Integrations
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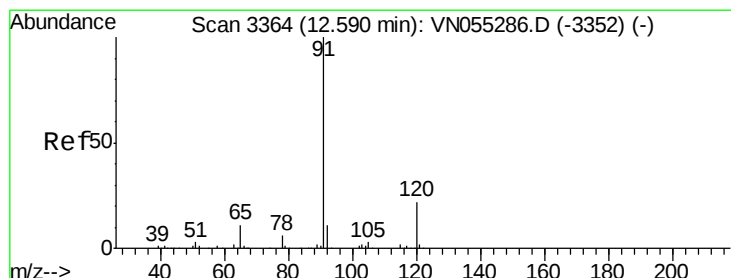
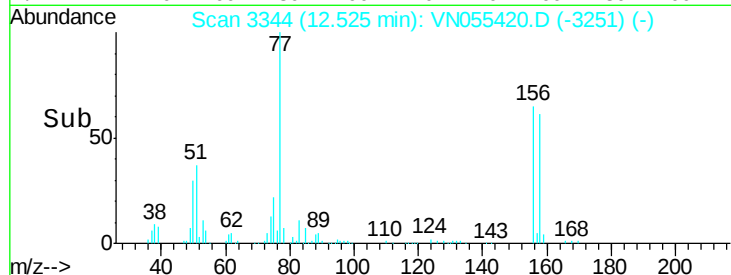
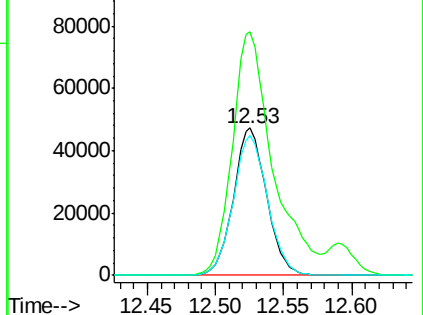
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Abundance Ion 155.80 (155.50 to 156.50): VN055420.D (-3251) (-)

Ion 77.00 (76.70 to 77.70): VN055420.D (-3251) (-)

Ion 157.80 (157.50 to 158.50): VN055420.D (-3251) (-)



#78

n-propylbenzene

Concen: 18.426 ug/l

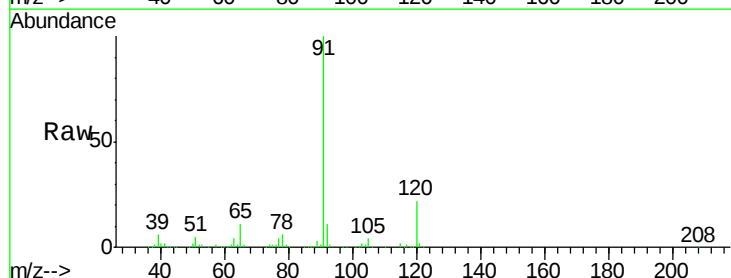
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055420.D

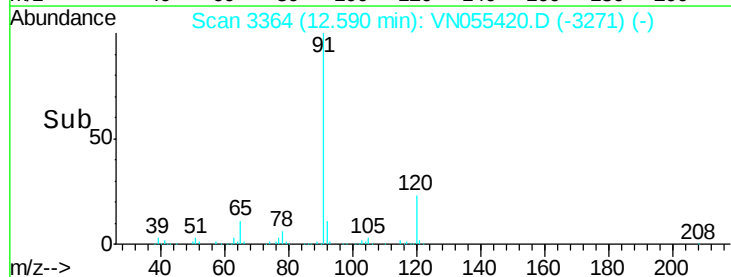
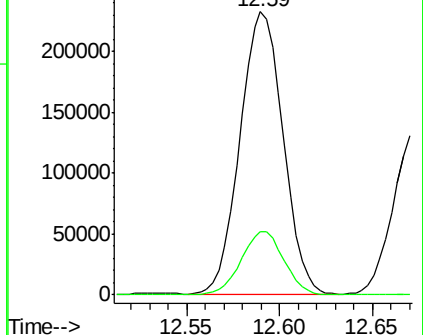
Acq: 6 May 2019 17:04

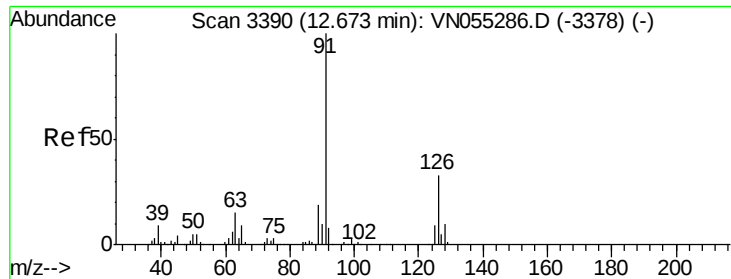
Tgt Ion:	91	Resp:	373673
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN055420.D (-3271) (-)

Ion 120.00 (119.70 to 120.70): VN055420.D (-3271) (-)





#79

2-Chlorotoluene

Concen: 20.616 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampled :

VN0506MBSD01

Tot Ion: 91 Resp: 237325

Ion Ratio Lower Upper

91 100

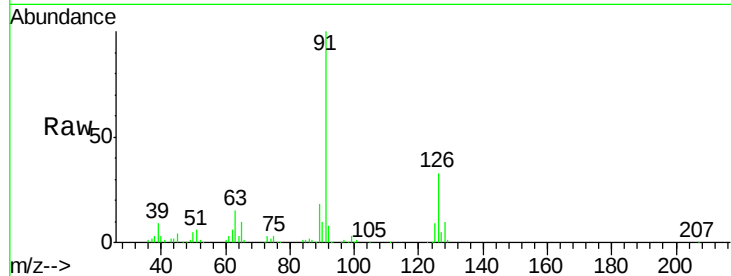
126 32.8 16.6 49.7

Manual Integrations

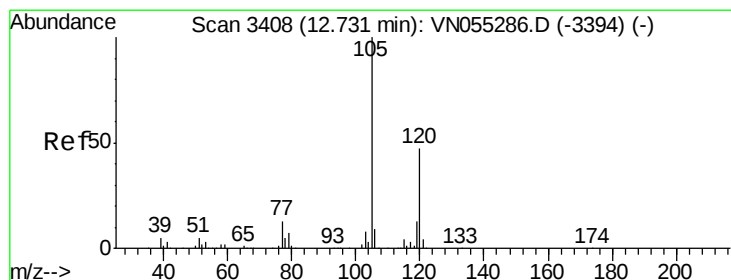
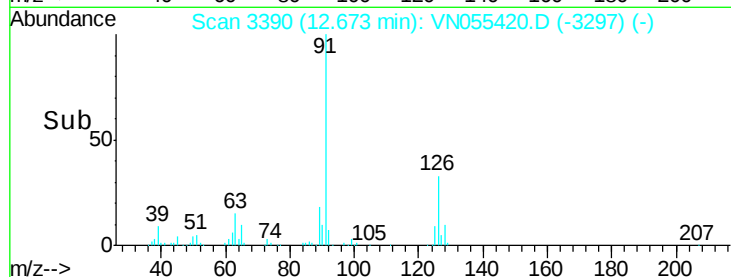
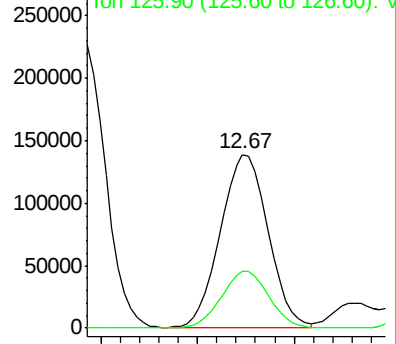
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Abundance Ion 91.00 (90.70 to 91.70): VN055420.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.760 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055420.D

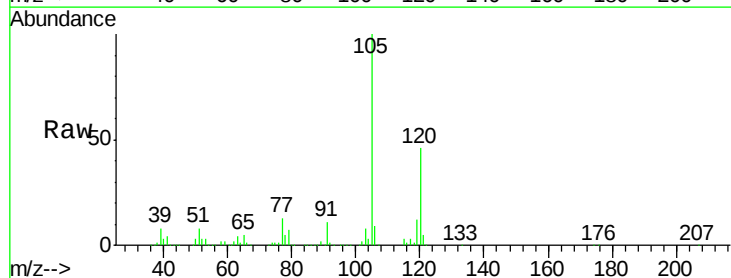
Acq: 6 May 2019 17:04

Tgt Ion: 105 Resp: 290359

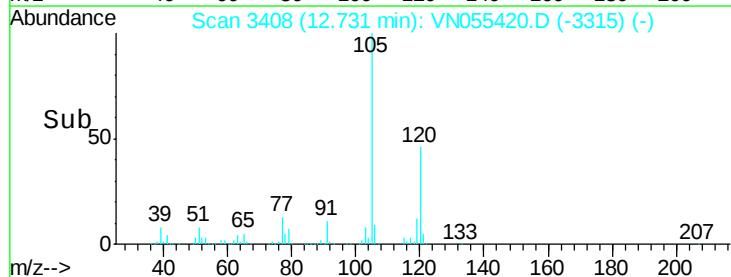
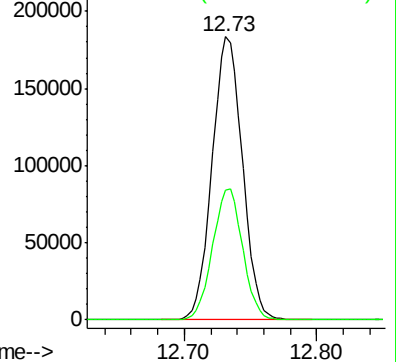
Ion Ratio Lower Upper

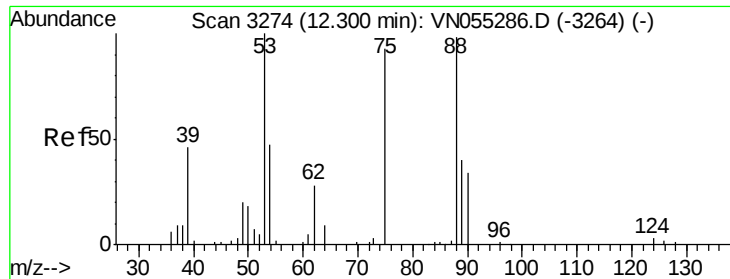
105 100

120 46.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055420.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.974 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion: 75 Resp: 18725

Ion Ratio Lower Upper

75 100

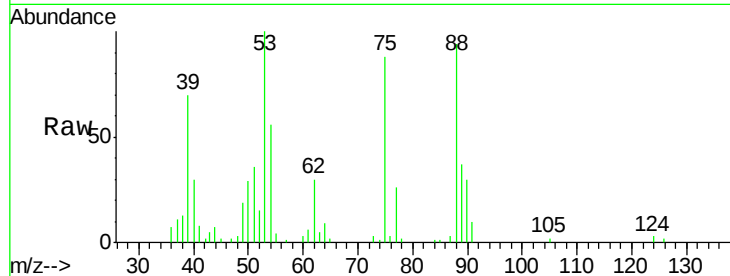
53 122.6 86.3 129.5

89 44.6 34.6 51.8

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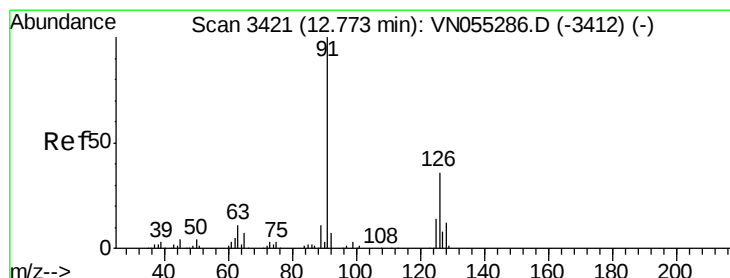
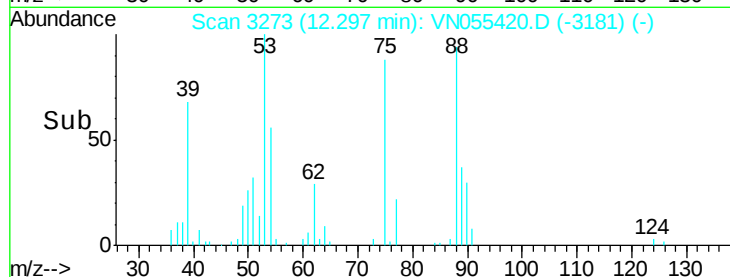
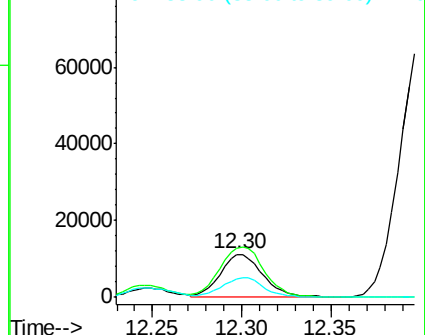
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Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055286.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055286.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 18.495 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055420.D

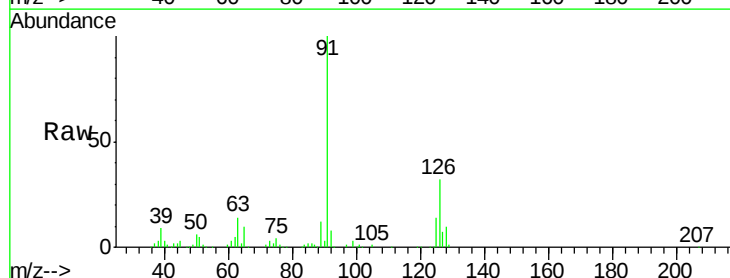
Acq: 6 May 2019 17:04

Tgt Ion: 91 Resp: 218074

Ion Ratio Lower Upper

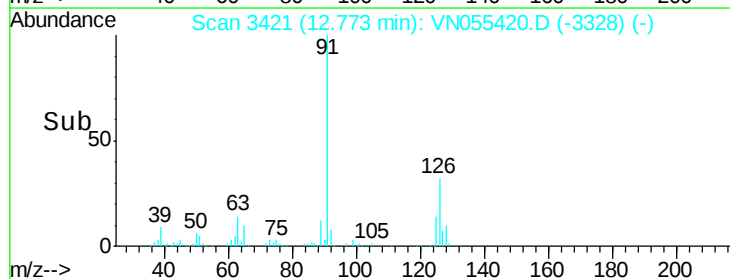
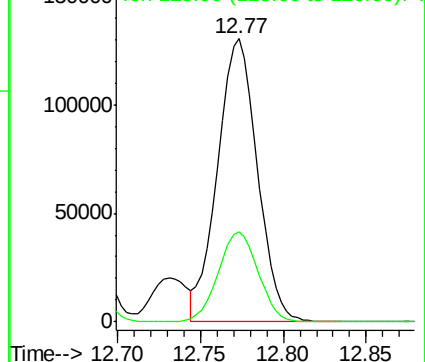
91 100

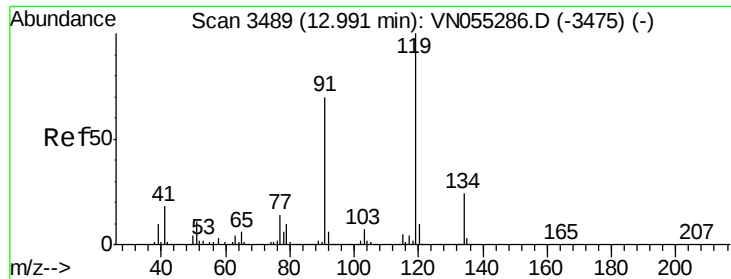
126 31.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3412) (-)





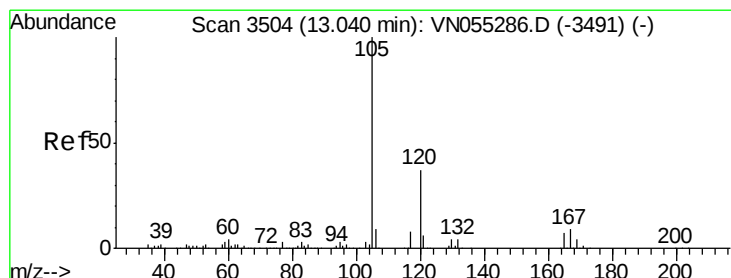
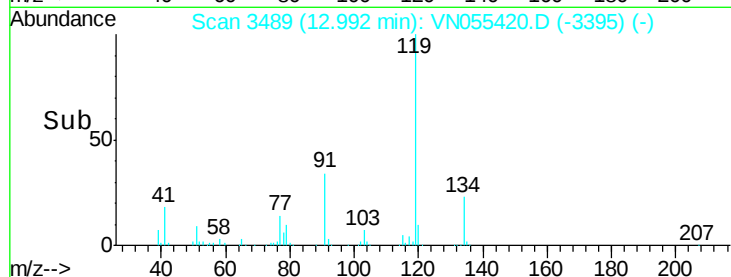
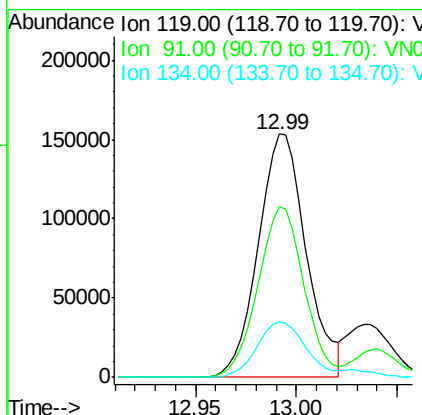
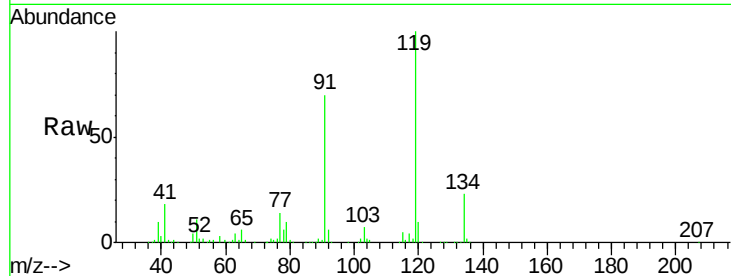
#83
 tert-Butylbenzene
 Concen: 21.564 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.3	102.9
134	23.2	13.1	39.3

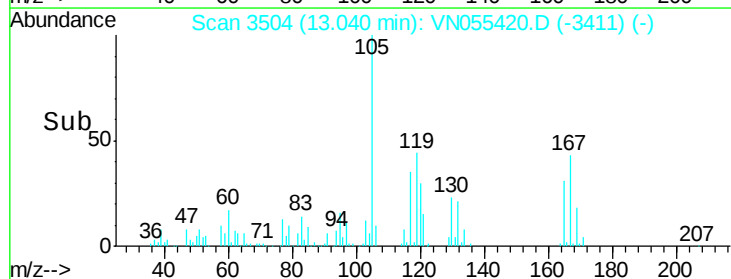
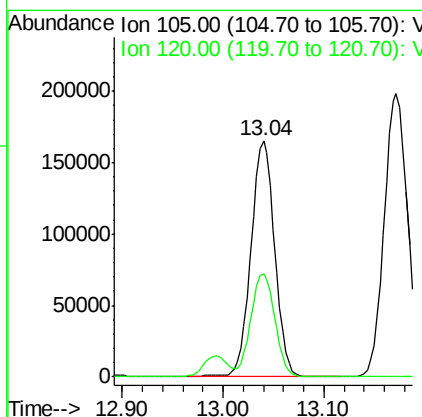
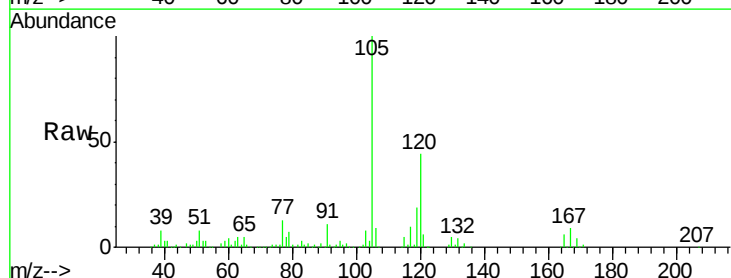
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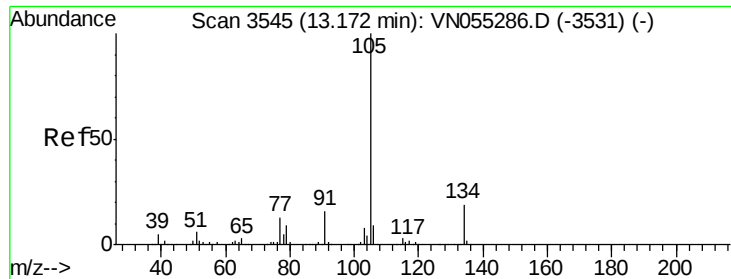
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.296 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.994 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBSD01

Tot Ion:105 Resp: 319531

Ion Ratio Lower Upper

105 100

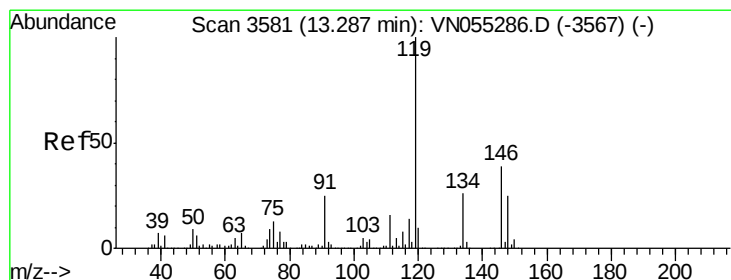
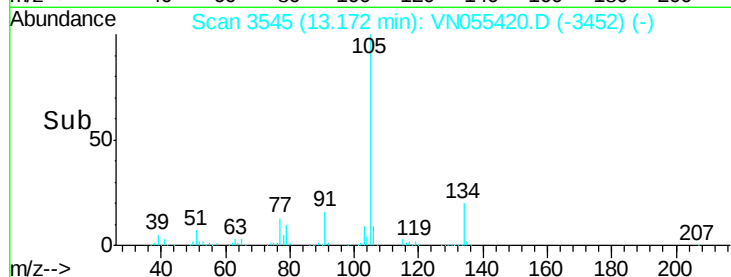
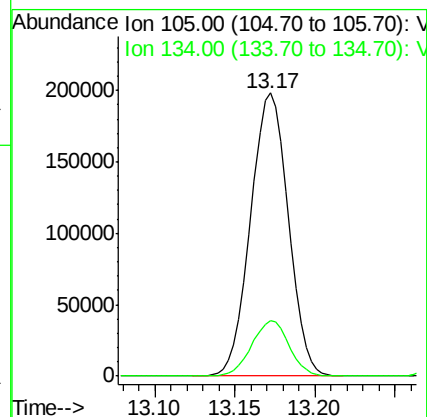
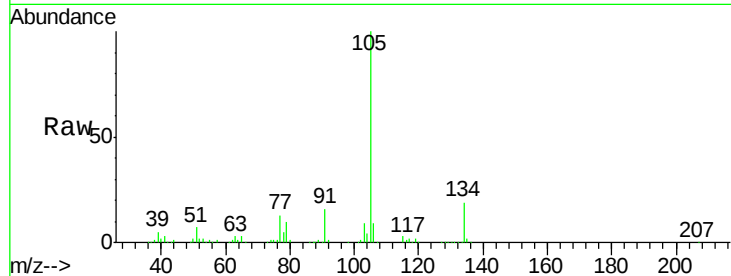
134 19.4 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.425 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

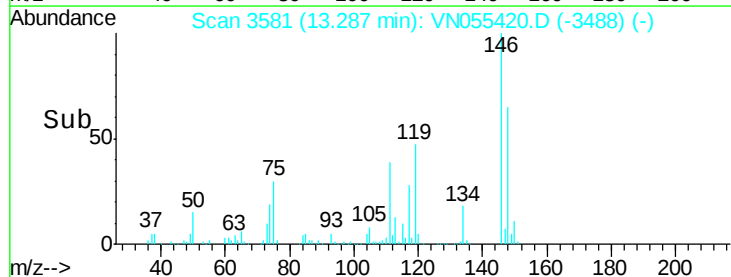
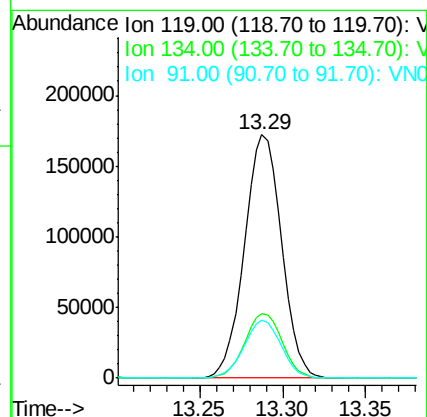
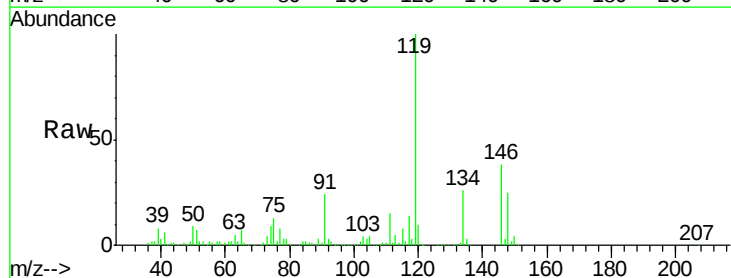
Tgt Ion:119 Resp: 268583

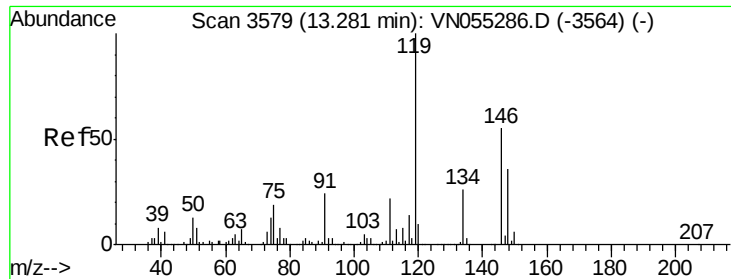
Ion Ratio Lower Upper

119 100

134 26.7 13.0 38.9

91 23.9 12.2 36.6





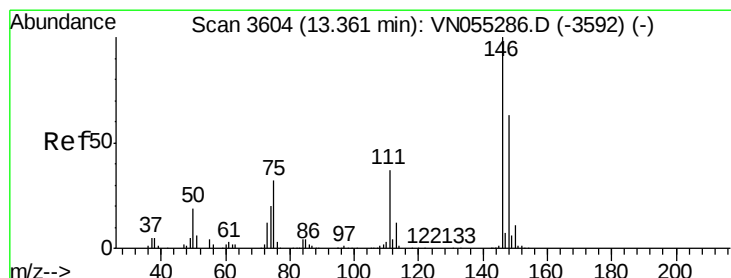
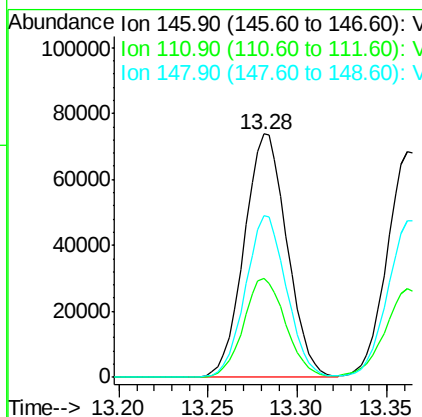
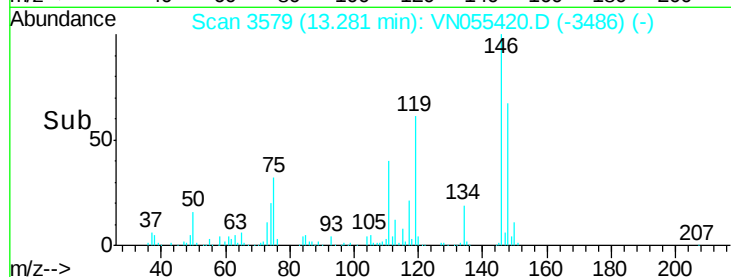
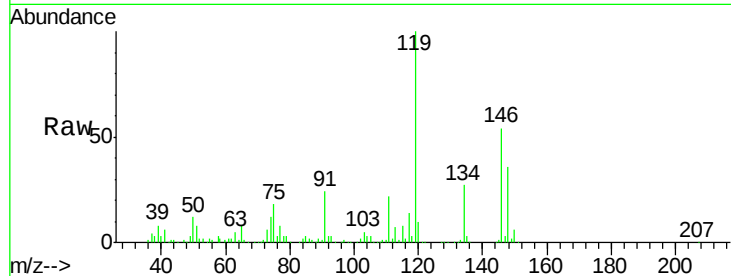
#87
 1,3-Dichlorobenzene
 Concen: 18.773 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124018		
111	39.8	20.3	60.8	
148	63.8	32.5	97.5	

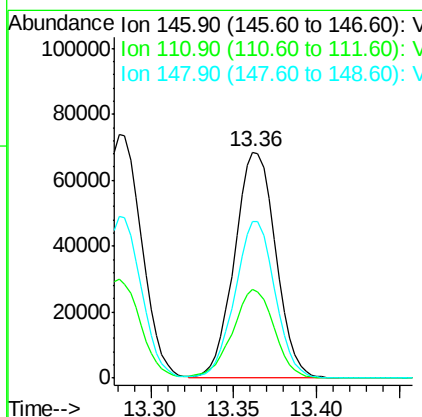
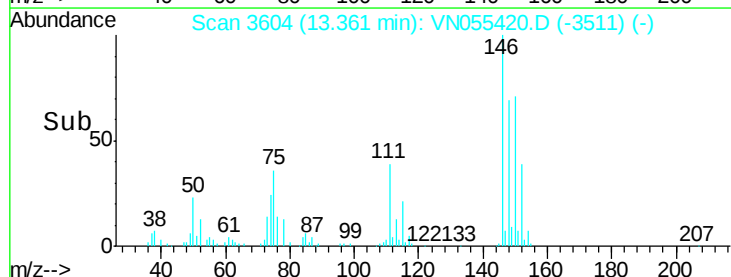
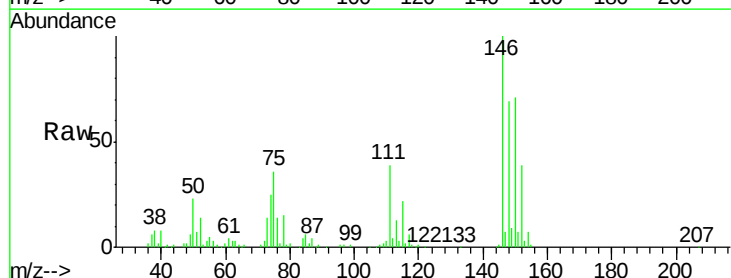
Manual Integrations
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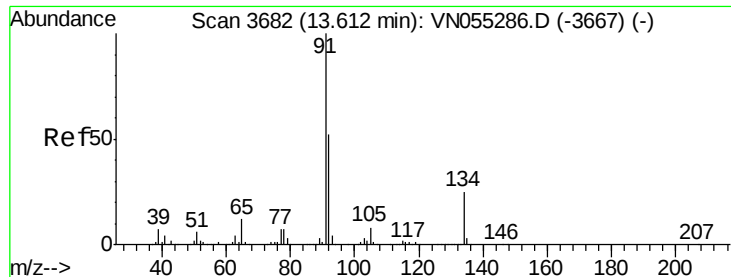
MMDadoda
 5/7/2019 1:22:47 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.076 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118678		
111	39.9	19.5	58.5	
148	67.2	32.5	97.4	





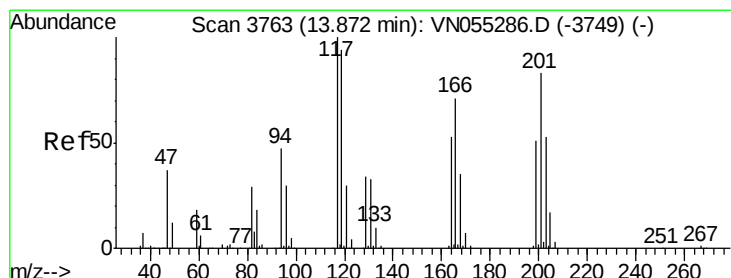
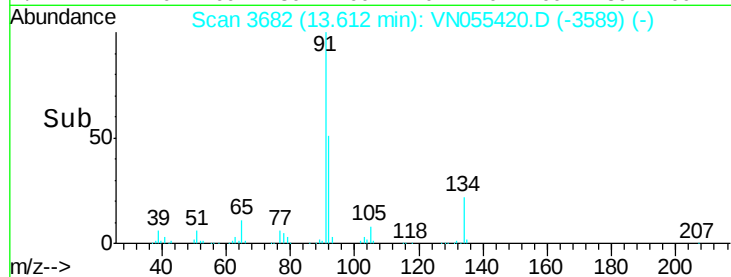
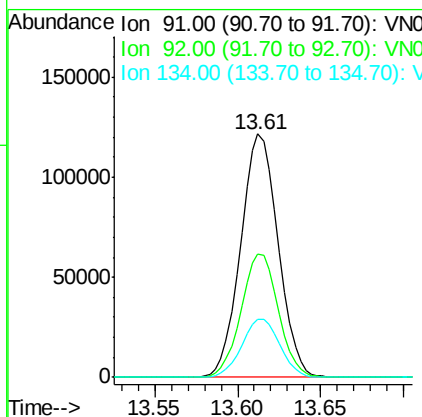
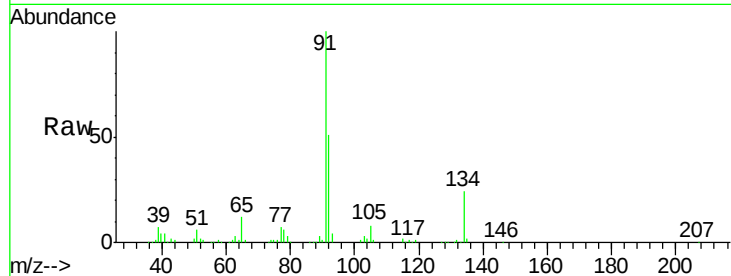
#89
n-Butylbenzene
Concen: 19.419 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	190795		
92	50.4		26.1	78.3
134	24.4		12.4	37.4

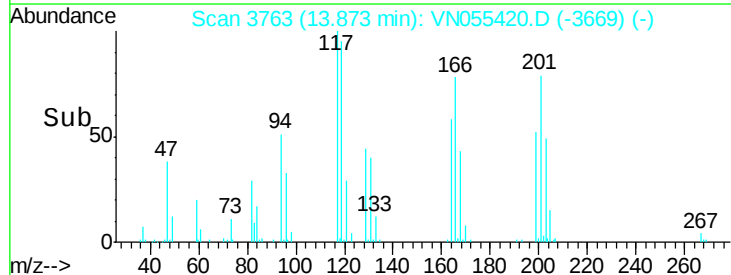
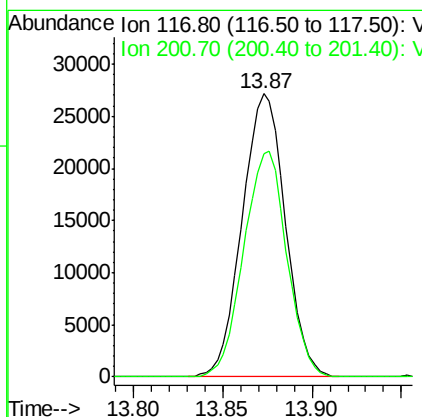
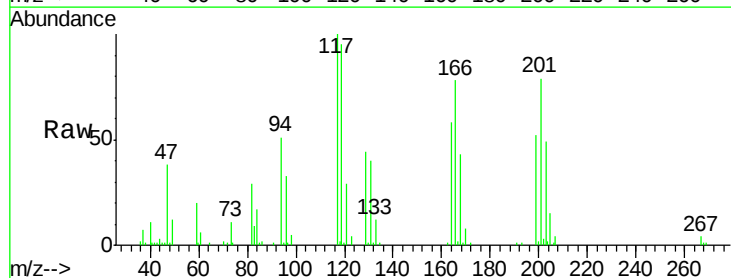
Manual Integrations
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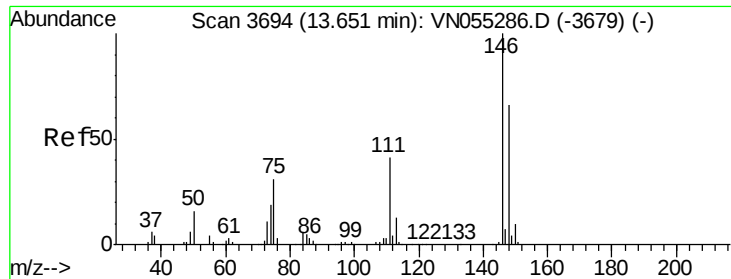
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#90
Hexachloroethane
Concen: 19.997 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055420.D
Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	45849		
201	79.5		41.9	125.8





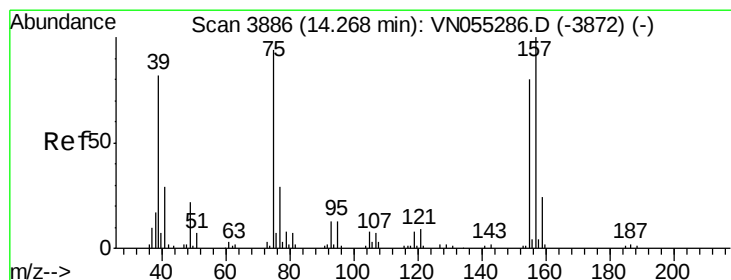
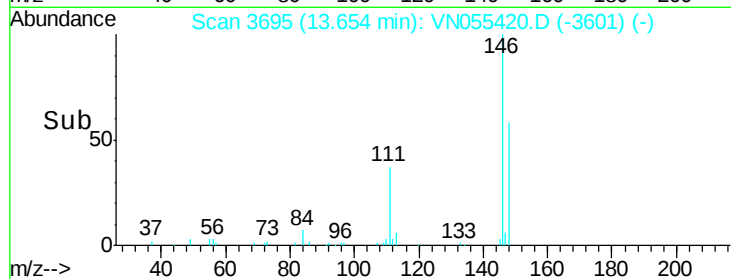
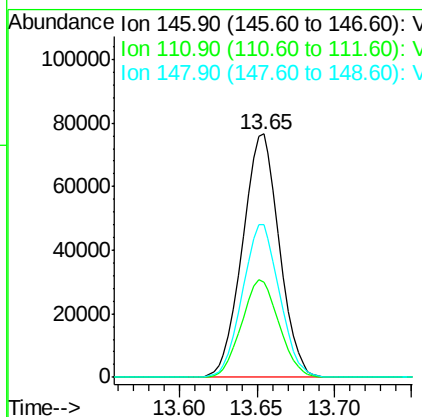
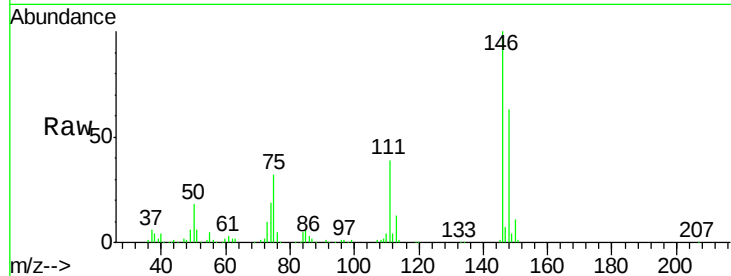
#91
 1,2-Dichlorobenzene
 Concen: 19.419 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	61.0
148	63.1	32.4	97.2

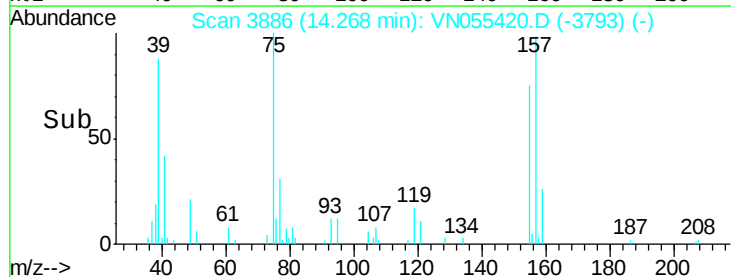
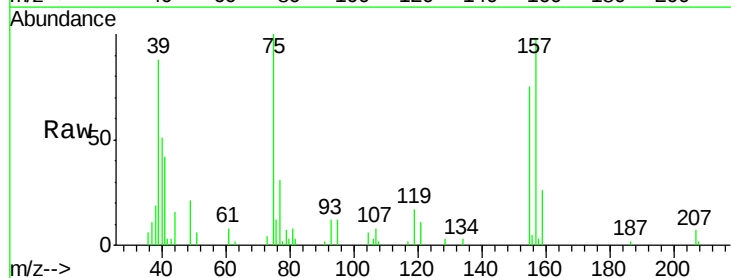
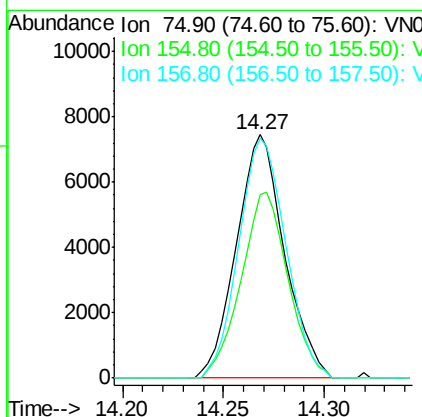
Manual Integrations
 APPROVED

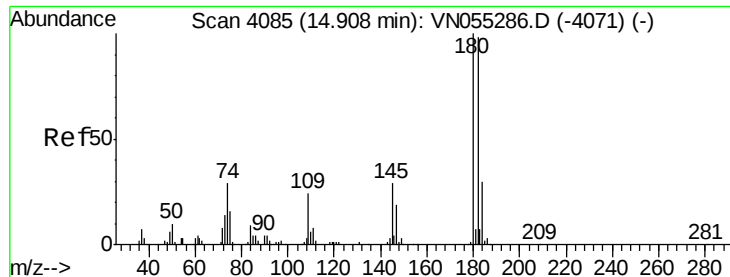
MMDadoda
 5/7/2019 1:22:47 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.915 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	41.5	124.6
157	96.7	54.0	162.2





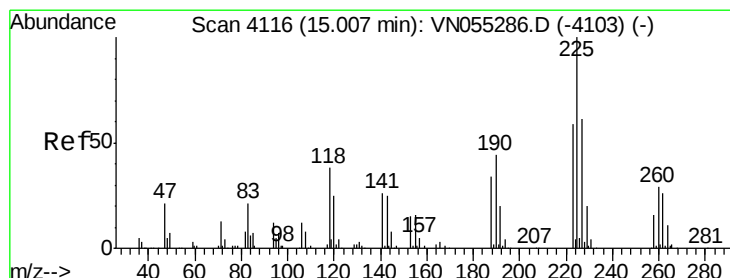
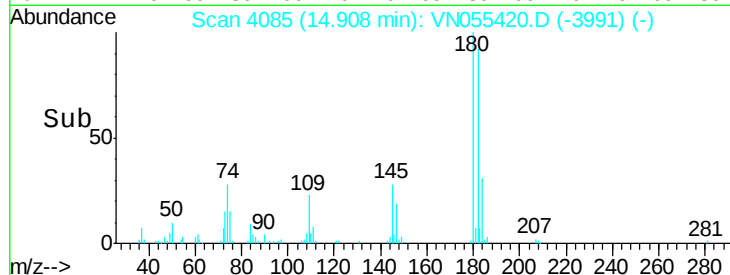
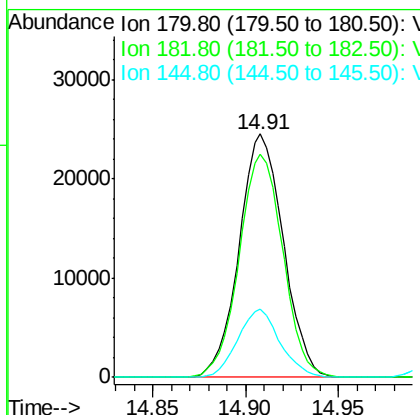
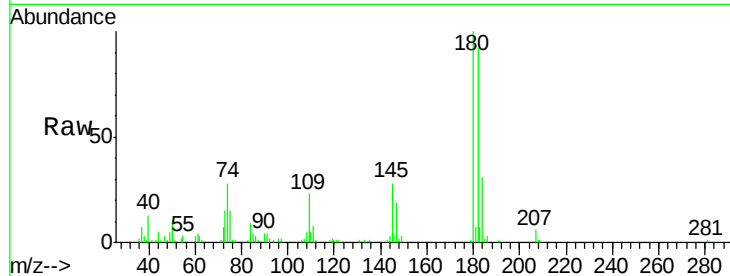
#93
 1,2,4-Trichlorobenzene
 Concen: 18.008 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.9	48.3	144.9
145	26.9	14.2	42.6

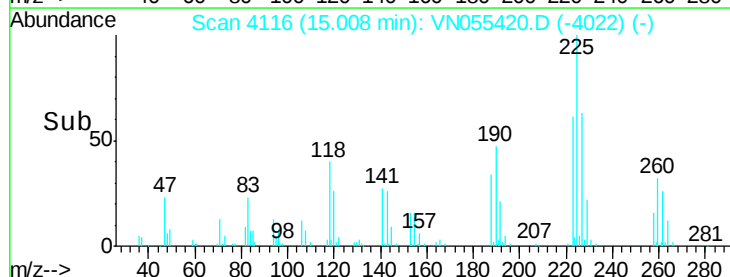
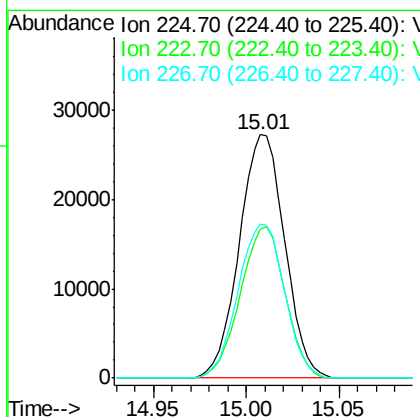
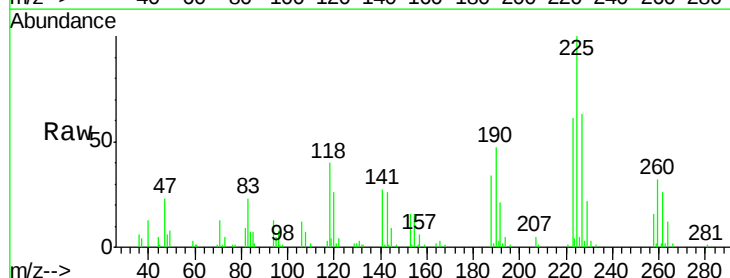
Manual Integrations
 APPROVED

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 5/7/2019 1:22:47 PM



#94
 Hexachlorobutadiene
 Concen: 21.946 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055420.D
 Acq: 6 May 2019 17:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.3	90.8
227	64.8	30.9	92.7





#95

Naphthalene

Concen: 16.878 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Instrument :

MSVOA_N

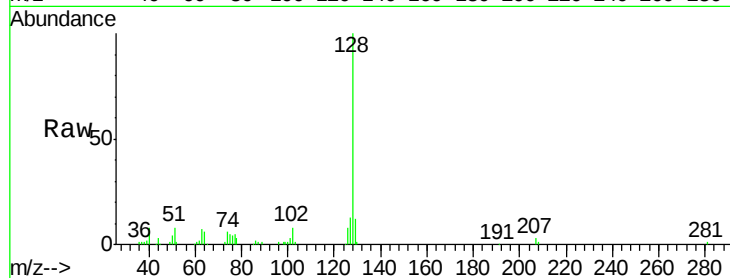
ClientSampleId :

VN0506MBSD01

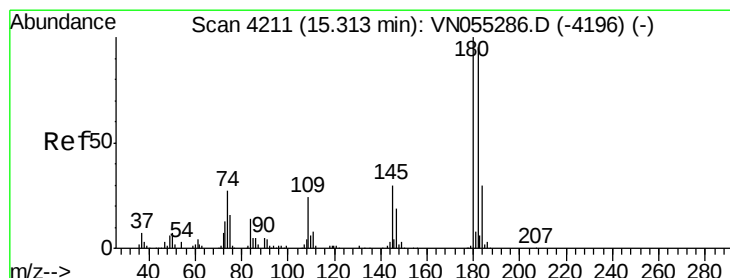
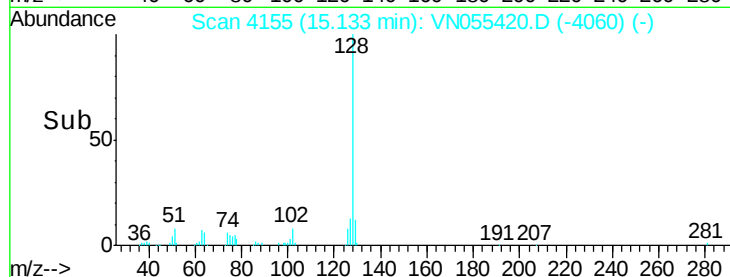
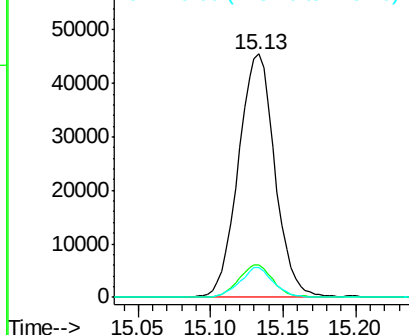
Tot Ion:	128	Resp:	79657
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.7	16.1
129	11.1	8.6	13.0

Manual Integrations
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5/7/2019 1:22:47 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 18.666 ug/l

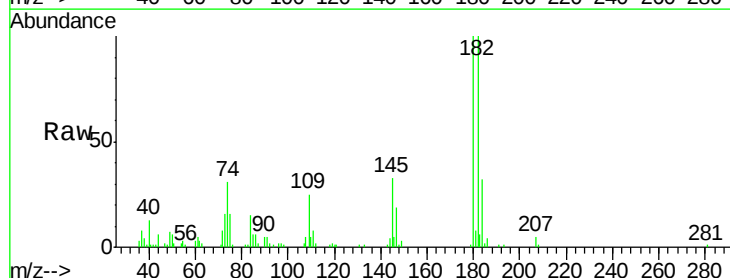
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055420.D

Acq: 6 May 2019 17:04

Tgt Ion:	180	Resp:	43060
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.3	144.9
145	31.5	15.2	45.6



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

