

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083119\
 Data File : VN057594.D
 Acq On : 30 Aug 2019 17:56
 Operator : JC/SP
 Sample : VN0831WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:28:49 AM

Quant Time: Aug 31 01:07:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 11:59:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	414365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	653277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	271795	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	349718	51.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.12%	
35) Dibromofluoromethane	7.58	113	275956	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	
50) Toluene-d8	10.08	98	1076747	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.40	95	334353	48.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.46%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	99360	21.340	ug/l	91
3) Chloromethane	2.06	50	90708	19.512	ug/l	95
4) Vinyl Chloride	2.18	62	146297	21.332	ug/l	99
5) Bromomethane	2.55	94	133149	22.546	ug/l	97
6) Chloroethane	2.70	64	101173	22.003	ug/l	99
7) Trichlorofluoromethane	3.01	101	318306	22.345	ug/l	99
8) Diethyl Ether	3.40	74	103347	21.835	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	3.74	101	185813	22.272	ug/l #	82
10) Methyl Iodide	3.93	142	302747	22.169	ug/l	93
11) Tert butyl alcohol	4.79	59	64696	96.731	ug/l	99
12) 1,1-Dichloroethene	3.72	96	177317	22.585	ug/l #	71
13) Acrolein	3.59	56	54495	95.157	ug/l	97
14) Allyl chloride	4.30	41	116444	20.263	ug/l #	86
15) Acrylonitrile	4.98	53	171495	103.560	ug/l	99
16) Acetone	3.81	43	271232	98.936	ug/l	91
17) Carbon Disulfide	4.03	76	181361	16.898	ug/l	99
18) Methyl Acetate	4.31	43	86753	21.553	ug/l #	89
19) Methyl tert-butyl Ether	5.03	73	292174	19.536	ug/l	94
20) Methylene Chloride	4.53	84	94267	18.562	ug/l	83
21) trans-1,2-Dichloroethene	5.01	96	94056	19.151	ug/l #	81
22) Diisopropyl ether	5.94	45	271418	21.068	ug/l #	90
23) Vinyl Acetate	5.88	43	1090549	108.332	ug/l #	92
24) 1,1-Dichloroethane	5.83	63	171753	20.247	ug/l	96
25) 2-Butanone	6.83	43	231641	107.047	ug/l #	87
26) 2,2-Dichloropropane	6.81	77	157720	18.210	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	119990	20.174	ug/l	82
28) Bromochloromethane	7.18	49	87393	24.509	ug/l #	62
29) Tetrahydrofuran	7.20	42	144917	107.088	ug/l #	75
30) Chloroform	7.36	83	203121	19.295	ug/l	99
31) Cyclohexane	7.64	56	158188	20.080	ug/l #	82
32) 1,1,1-Trichloroethane	7.55	97	186130	19.890	ug/l	95
36) 1,1-Dichloropropene	7.78	75	143141	20.255	ug/l	95
37) Ethyl Acetate	6.92	43	92579	19.772	ug/l #	93
38) Carbon Tetrachloride	7.76	117	151298	18.308	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	177506	19.742	ug/l #	85
40) Benzene	8.03	78	428487	19.799	ug/l	99
41) Methacrylonitrile	7.16	41	35984	17.638	ug/l #	71
42) 1,2-Dichloroethane	8.11	62	163173	21.183	ug/l	99
43) Isopropyl Acetate	8.16	43	180136	20.612	ug/l #	91
44) Trichloroethene	8.83	130	118538	19.835	ug/l	85
45) 1,2-Dichloropropane	9.11	63	104373	20.639	ug/l	99
46) Dibromomethane	9.20	93	80719	20.355	ug/l #	89
47) Bromodichloromethane	9.40	83	156185	19.104	ug/l	98
48) Methyl methacrylate	9.19	41	87859	21.286	ug/l #	84
49) 1,4-Dioxane	9.20	88	32576	432.468	ug/l #	79
51) 4-Methyl-2-Pentanone	9.98	43	516508	110.580	ug/l	92
52) Toluene	10.15	92	278755	19.881	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	147846	18.712	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	166302	19.433	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	108705	20.159	ug/l	96
56) Ethyl methacrylate	10.43	69	145570	20.281	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	177277	20.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	178281	105.869	ug/l #	85
59) 2-Hexanone	10.75	43	348098	107.942	ug/l	90
60) Dibromochloromethane	10.90	129	112023	18.212	ug/l	98
61) 1,2-Dibromoethane	11.00	107	113068	20.037	ug/l	95
64) Tetrachloroethene	10.63	164	118813	19.503	ug/l	93
65) Chlorobenzene	11.43	112	302222	20.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	113226	19.284	ug/l	96
67) Ethyl Benzene	11.51	91	541983	20.730	ug/l	97
68) m/p-Xylenes	11.62	106	406355	40.808	ug/l	94
69) o-Xylene	11.95	106	197884	19.789	ug/l	94
70) Styrene	11.96	104	309589	20.511	ug/l	97
71) Bromoform	12.13	173	67072	17.112	ug/l #	98
73) Isopropylbenzene	12.25	105	537028	18.569	ug/l	99
74) N-amyl acetate	12.07	43	146429	23.307	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.51	83	132429	21.426	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	120905m	22.365	ug/l	
77) Bromobenzene	12.53	156	118765	17.713	ug/l	76
78) n-propylbenzene	12.59	91	556469	19.367	ug/l	97
79) 2-Chlorotoluene	12.67	91	335984	18.773	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	446936	19.637	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	30570	16.912	ug/l	93
82) 4-Chlorotoluene	12.78	91	327120	19.700	ug/l	95
83) tert-Butylbenzene	12.99	119	397800	20.948	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	435794	20.935	ug/l	99
85) sec-Butylbenzene	13.17	105	499377	19.962	ug/l	98
86) p-Isopropyltoluene	13.29	119	436558	20.303	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	189988	19.511	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	184459	19.754	ug/l	94
89) n-Butylbenzene	13.62	91	322500	19.799	ug/l	98
90) Hexachloroethane	13.88	117	69376	15.332	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	190908	21.006	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	19094	18.728	ug/l	83

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QLast Update : Fri Aug 30 11:59:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52996	16.780	ug/l	97
94) Hexachlorobutadiene	15.01	225	60217	20.104	ug/l	98
95) Naphthalene	15.13	128	156108	17.359	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	51821	16.871	ug/l	96

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

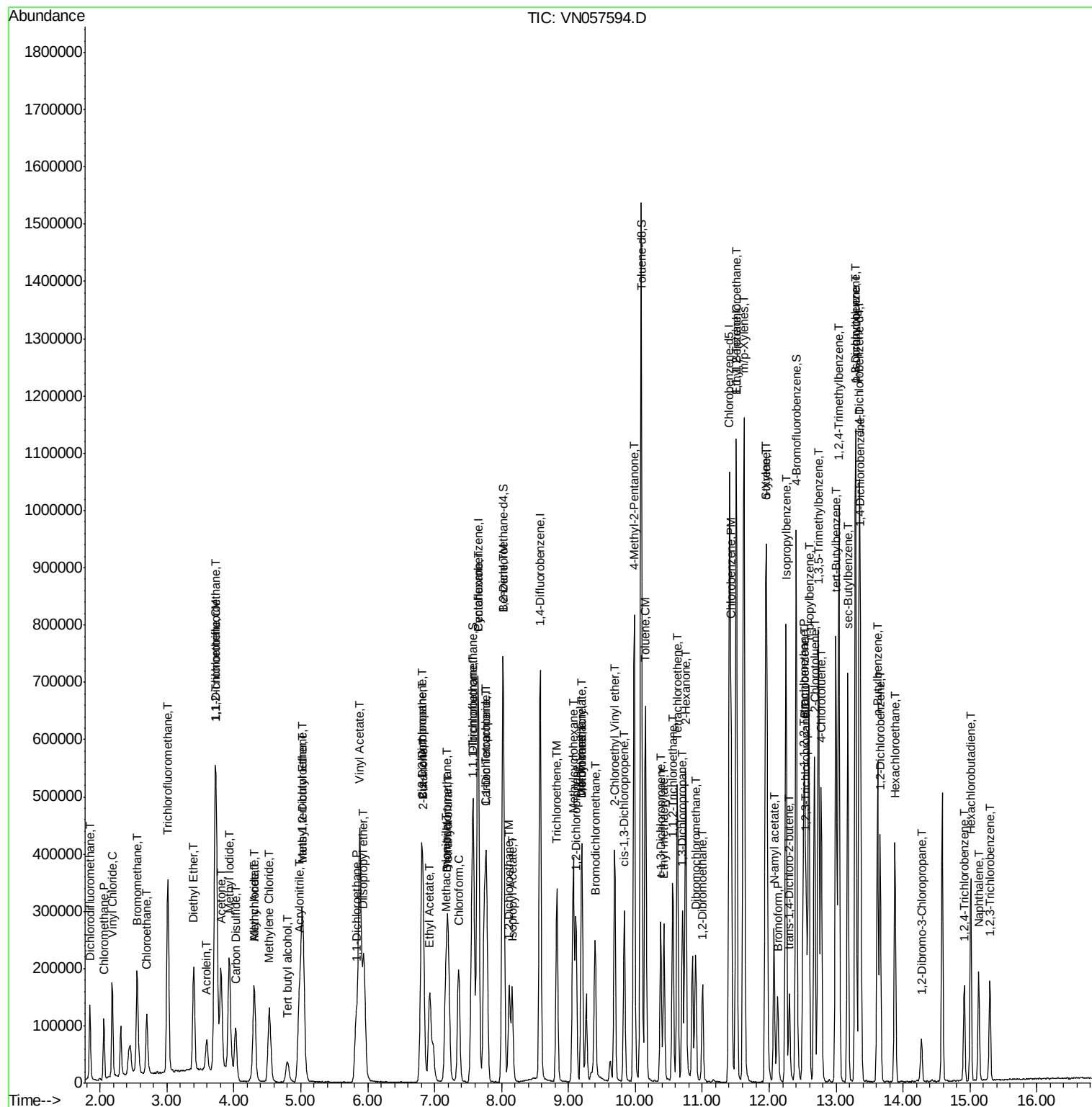
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083119\
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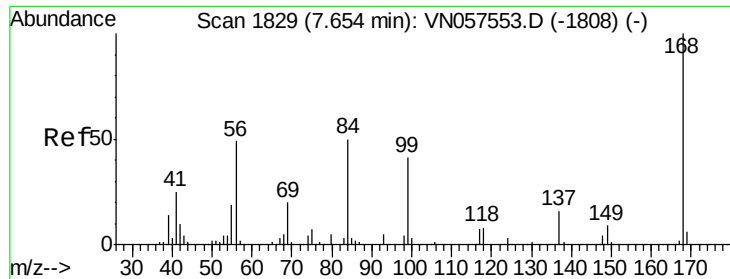
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Manual Integrations
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8/31/2019 11:28:49 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion:168 Resp: 414365

Ion Ratio Lower Upper

168 100

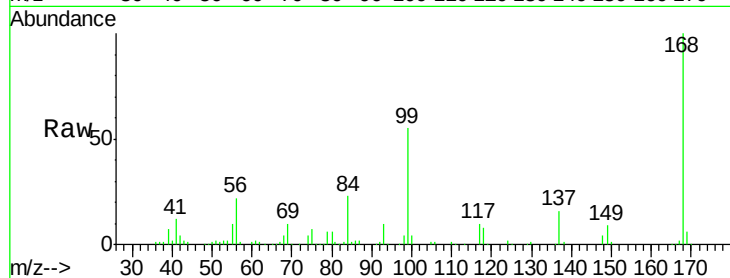
99 54.8 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN057553.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN057553.D (-1808) (-)

7.65

150000

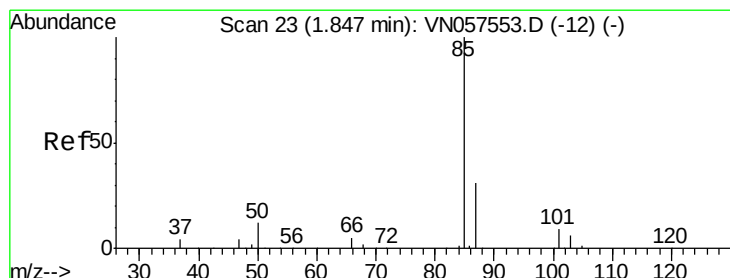
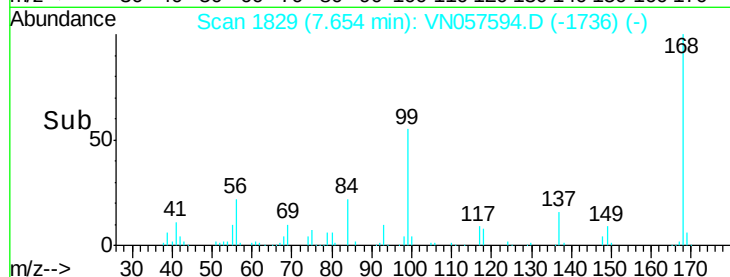
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.340 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057594.D

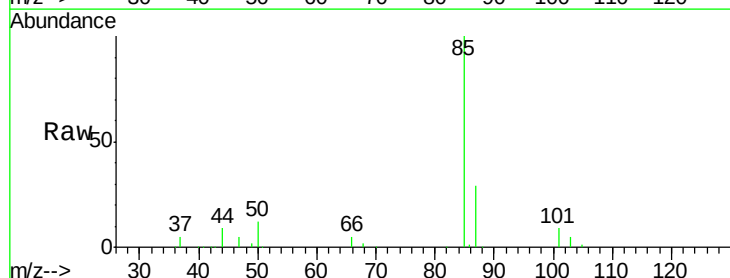
Acq: 30 Aug 2019 17:56

Tgt Ion: 85 Resp: 99360

Ion Ratio Lower Upper

85 100

87 28.7 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN057553.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN057553.D (-12) (-)

1.85

80000

60000

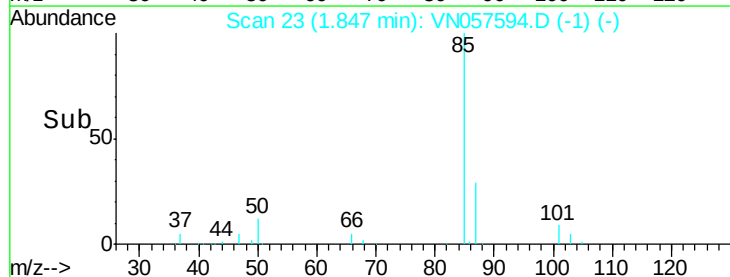
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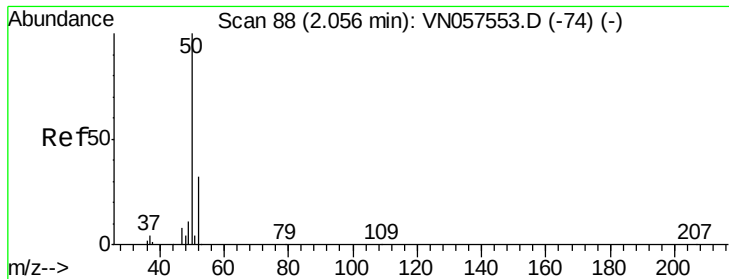
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.512 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion: 50 Resp: 90708

Ion Ratio Lower Upper

50 100

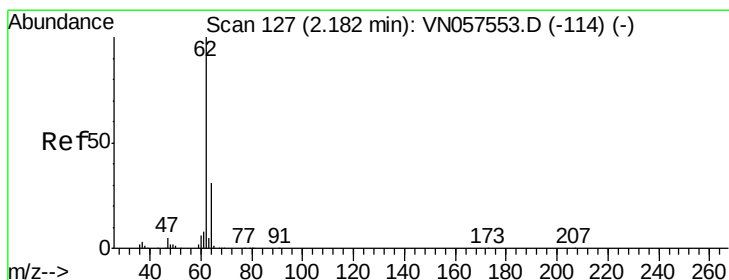
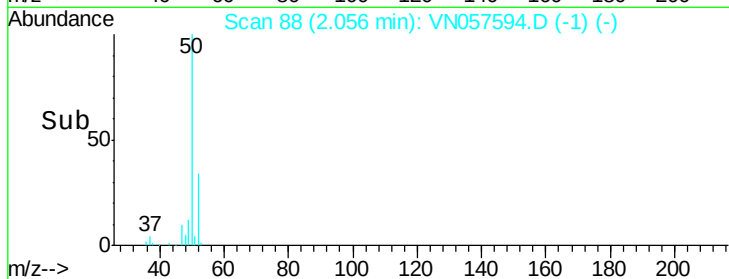
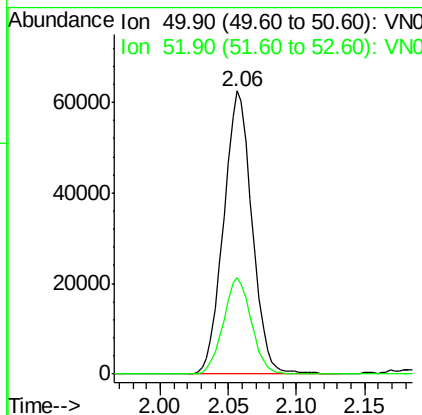
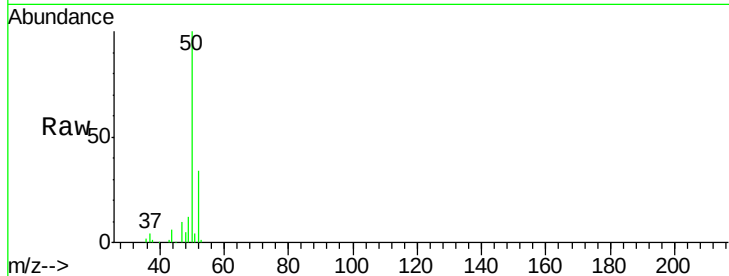
52 34.3 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.332 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057594.D

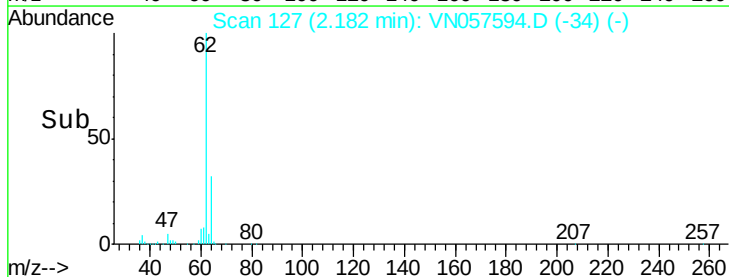
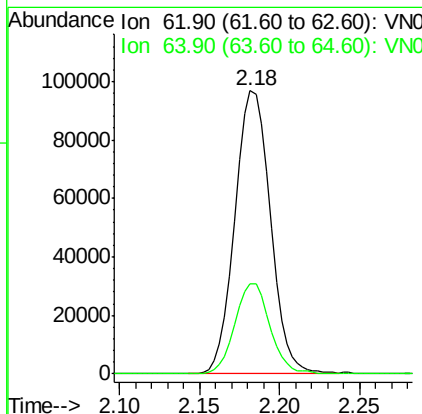
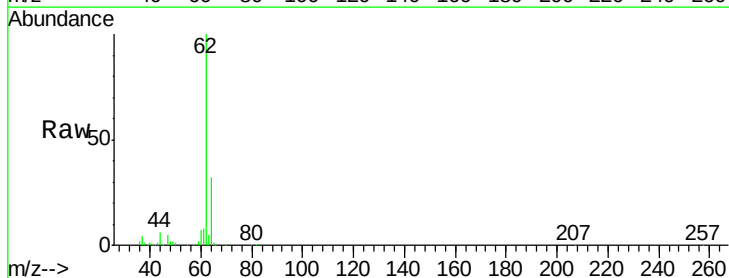
Acq: 30 Aug 2019 17:56

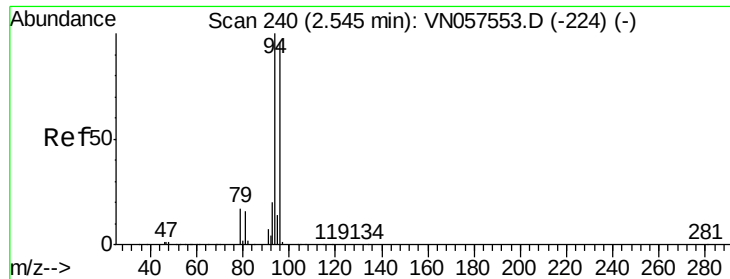
Tgt Ion: 62 Resp: 146297

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 22.546 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion: 94 Resp: 133149

Ion Ratio Lower Upper

94 100

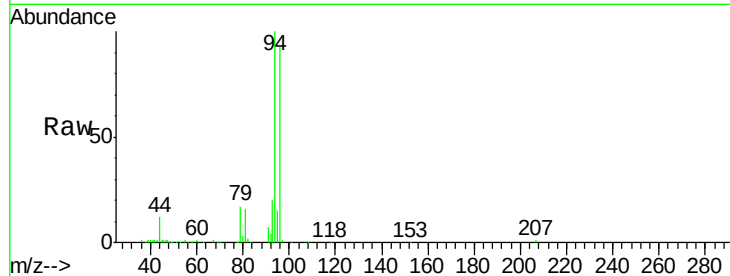
96 92.9 76.2 114.4

Manual Integrations

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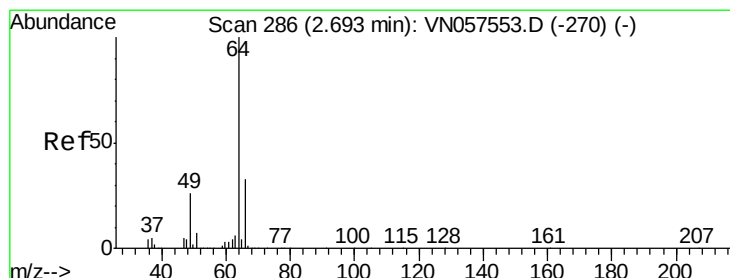
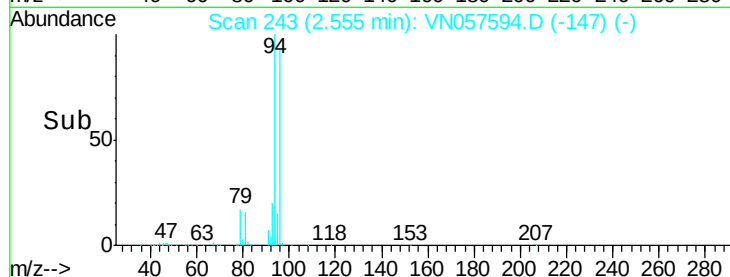
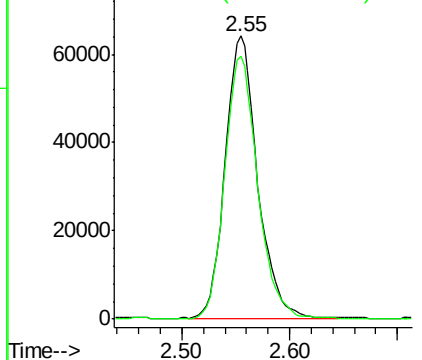
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 22.003 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057594.D

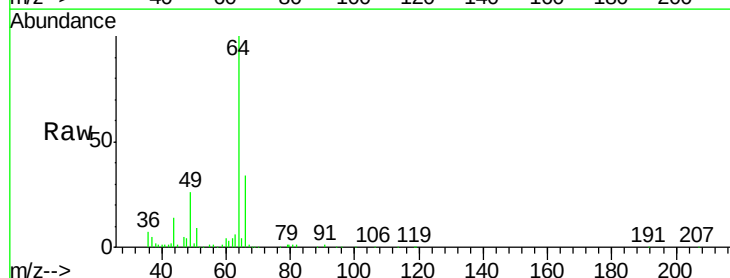
Acq: 30 Aug 2019 17:56

Tgt Ion: 64 Resp: 101173

Ion Ratio Lower Upper

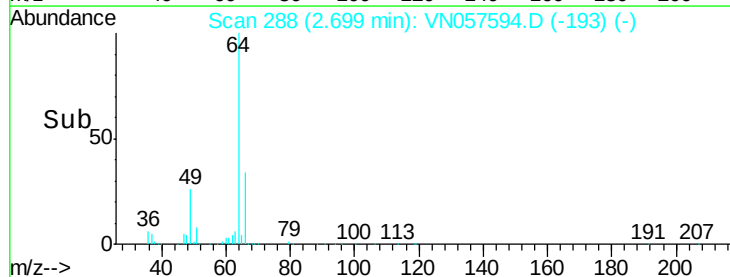
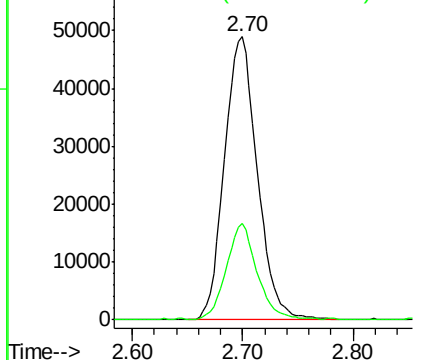
64 100

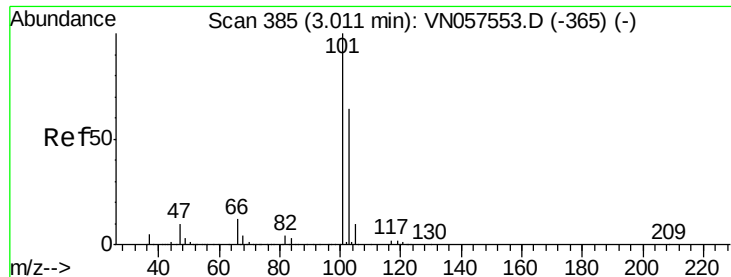
66 33.9 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

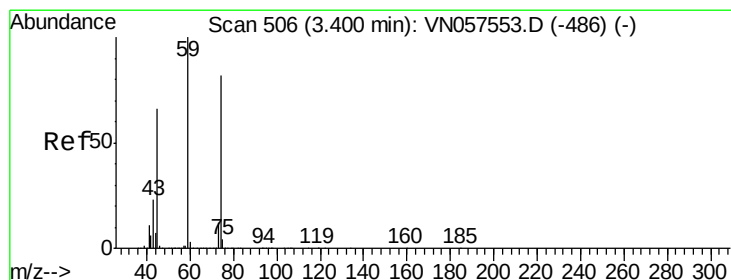
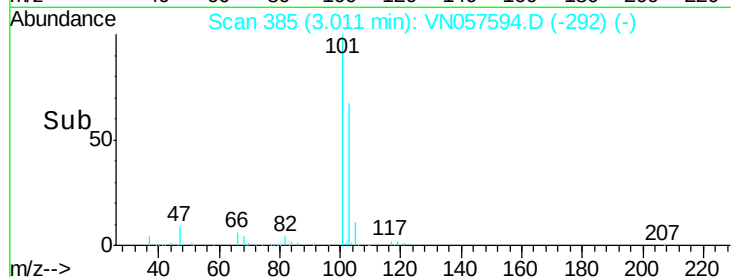
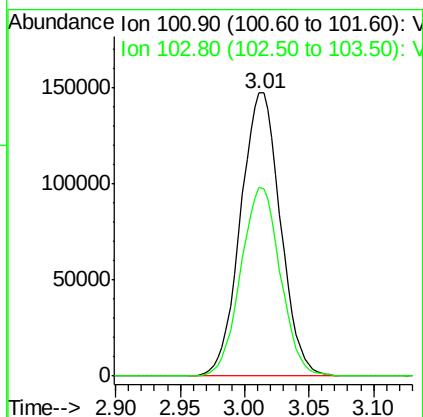
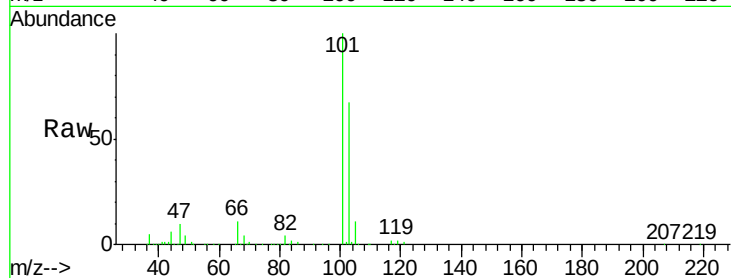
Trichlorofluoromethane
Concen: 22.345 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
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ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.6	78.8

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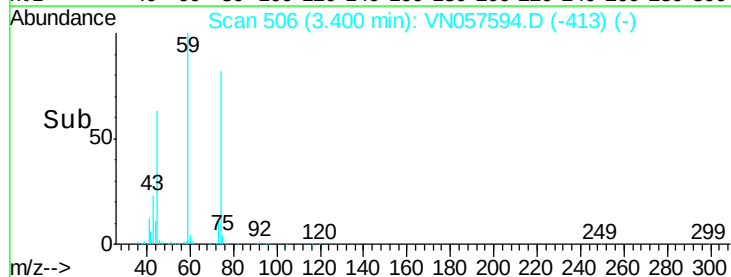
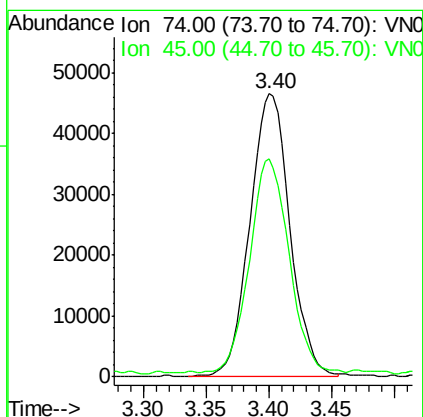
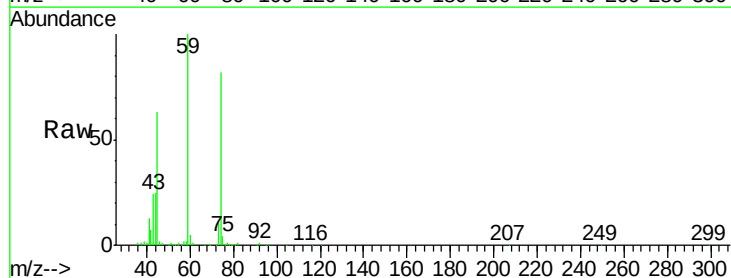
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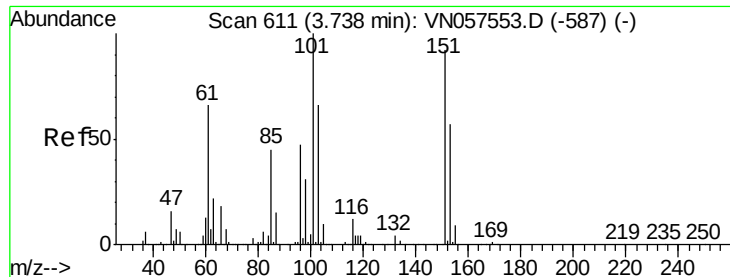


#8

Diethyl Ether
Concen: 21.835 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.0	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.272 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

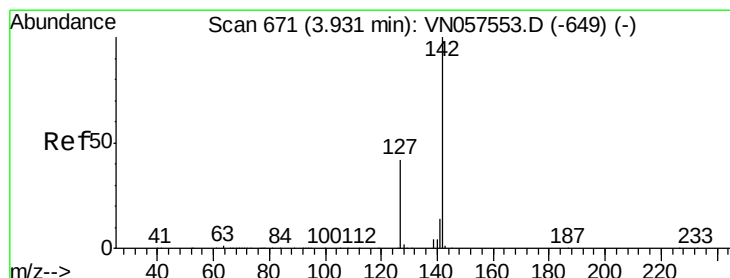
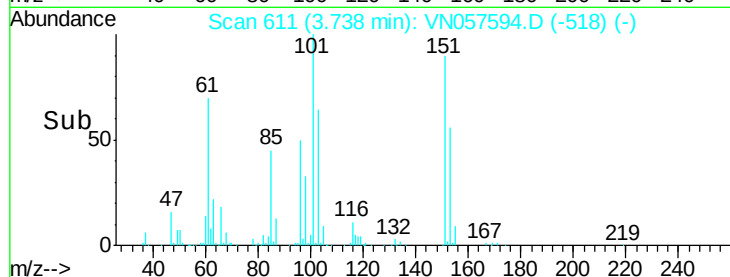
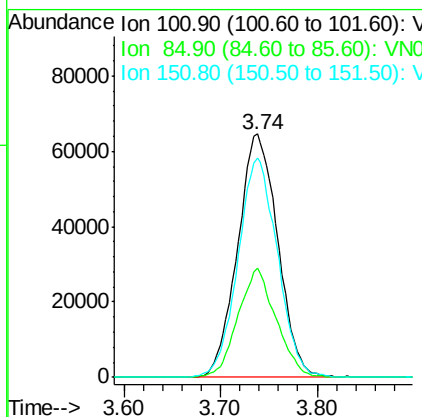
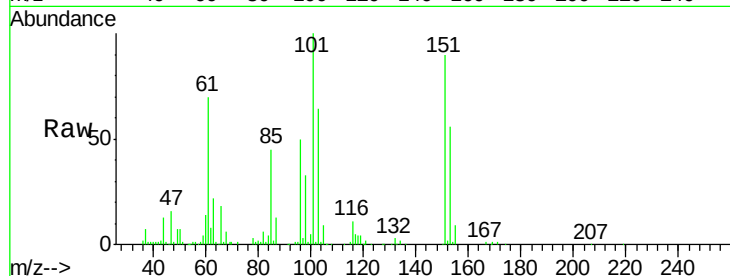
ClientSampleId :

VN0831WBSD01

Tot Ion:	101	Resp:	185813
Ion Ratio	Lower	Upper	
101	100		
85	41.7	40.0	60.0
151	89.0	57.0	85.6#

Manual Integrations
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#10

Methyl Iodide

Concen: 22.169 ug/l

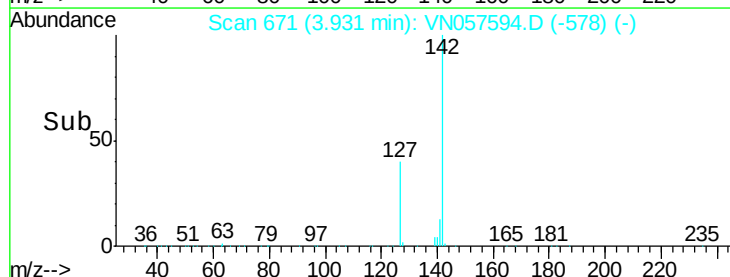
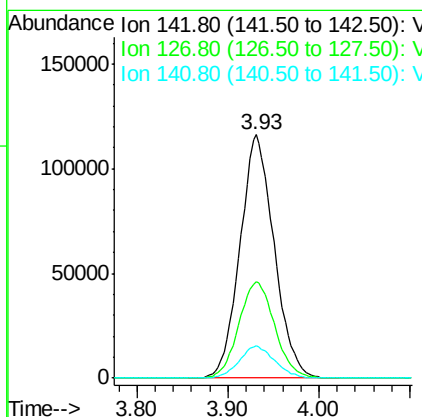
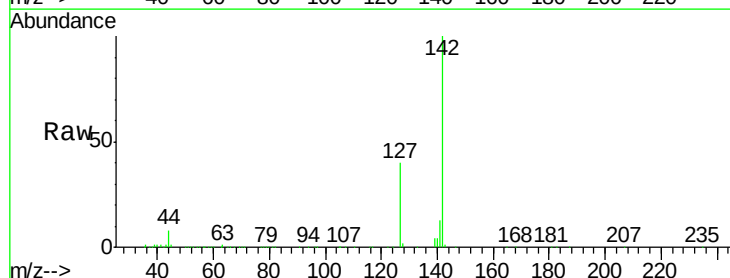
RT: 3.93 min Scan# 671

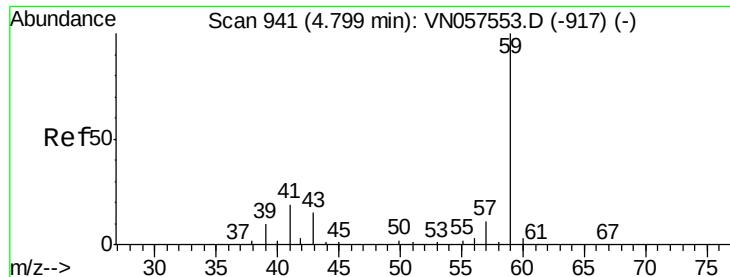
Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Tgt Ion:	142	Resp:	302747
Ion Ratio	Lower	Upper	
142	100		
127	41.6	37.8	56.8
141	13.6	11.9	17.9





#11

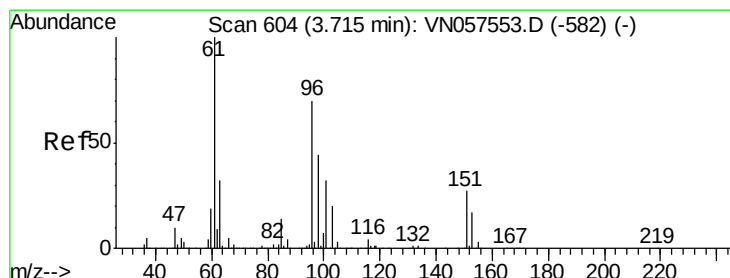
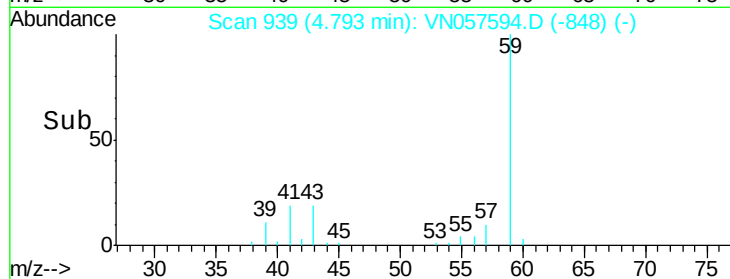
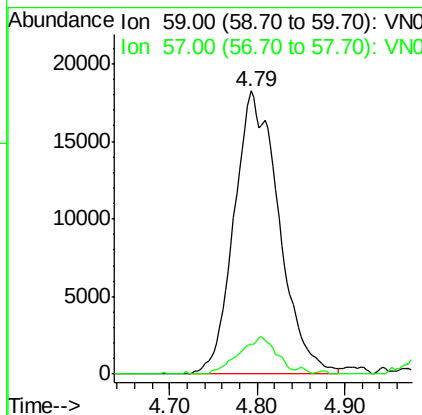
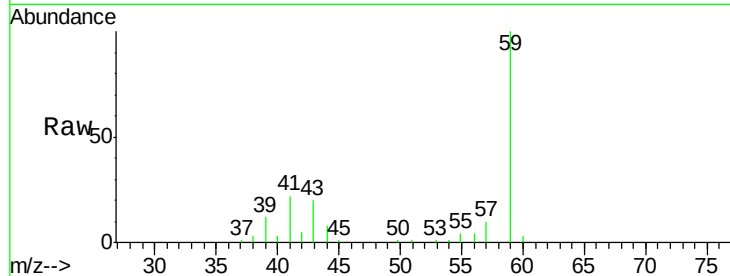
Tert butyl alcohol
Concen: 96.731 ug/l
RT: 4.79 min Scan# 939
Delta R.T. -0.01 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.1	13.7

Manual Integrations
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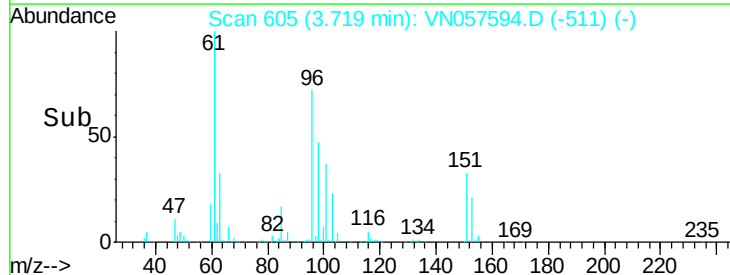
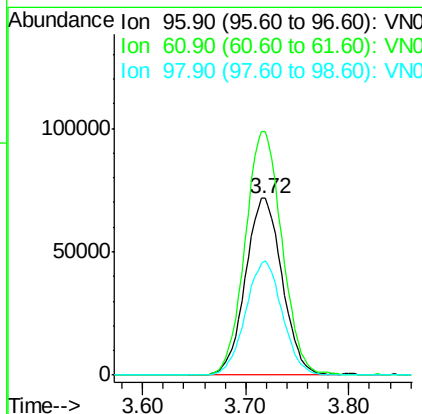
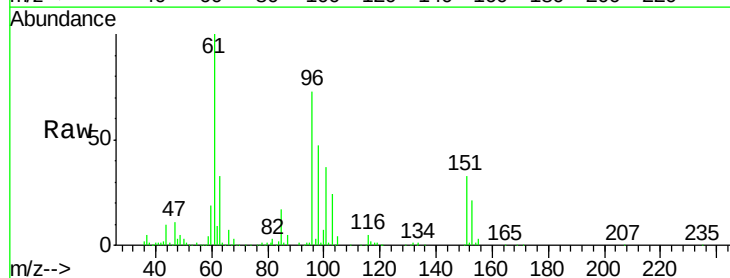
MMDadoda
8/31/2019 11:28:49 AM

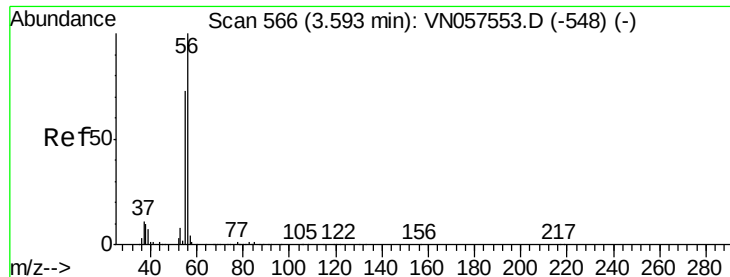


#12

1,1-Dichloroethene
Concen: 22.585 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.8	155.3	232.9#
98	64.6	50.2	75.2





#13

Acrolein

Concen: 95.157 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion: 56 Resp: 54495

Ion Ratio Lower Upper

56 100

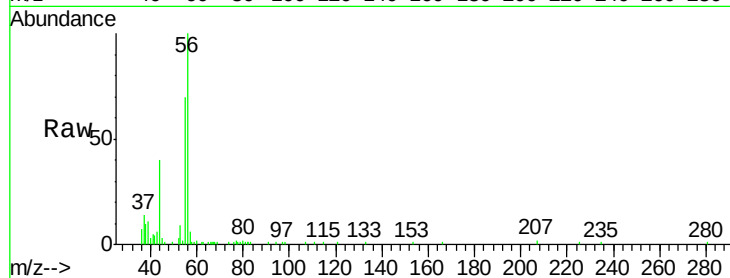
55 76.1 59.0 88.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

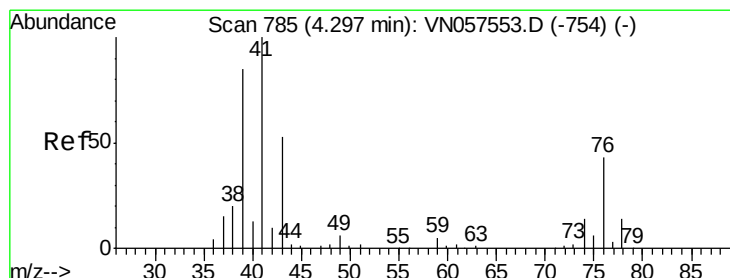
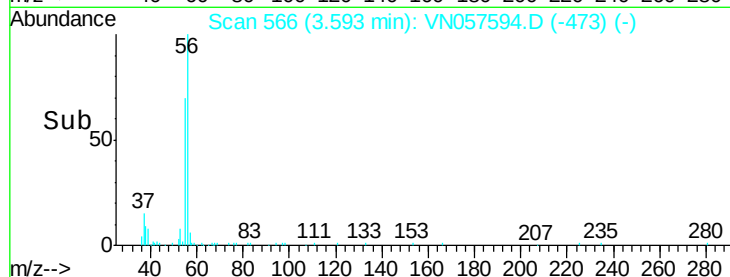
10000

5000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 20.263 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

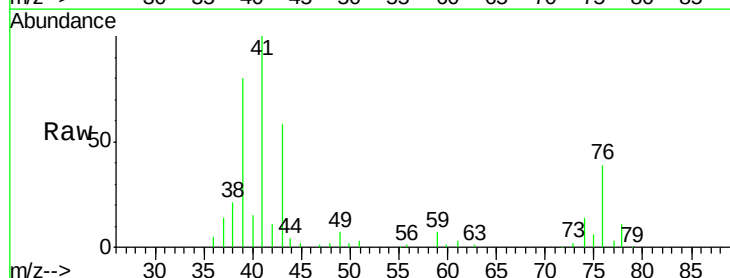
Tgt Ion: 41 Resp: 116444

Ion Ratio Lower Upper

41 100

39 83.1 57.4 86.2

76 37.1 22.9 34.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

50000

40000

30000

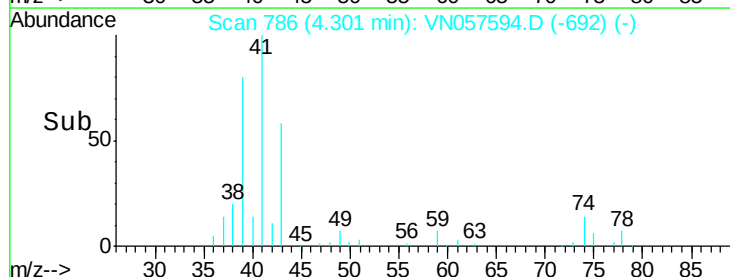
20000

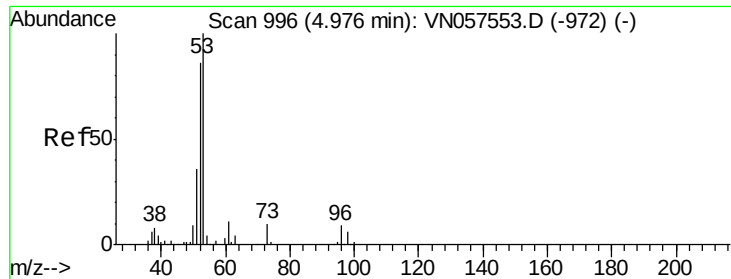
10000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 103.560 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

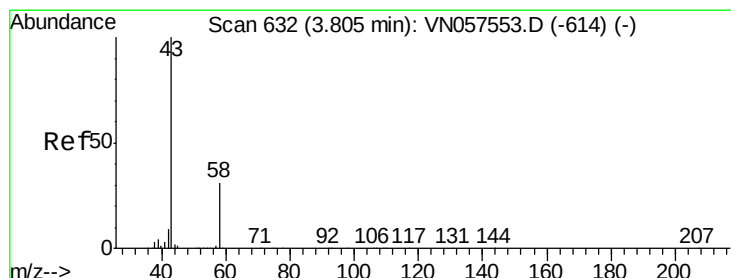
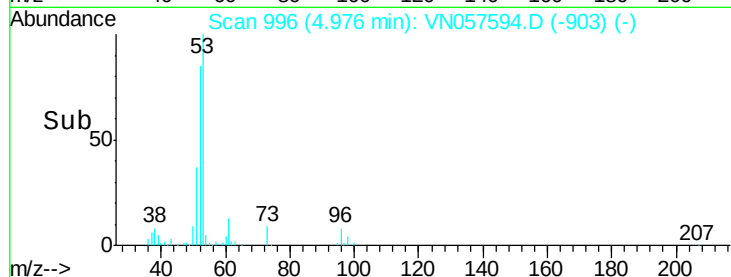
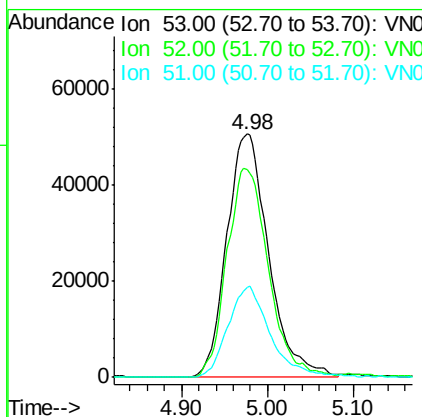
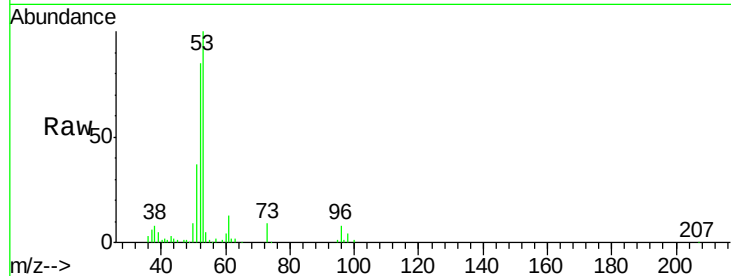
ClientSampleId :

VN0831WBSD01

Tot Ion:	53	Resp:	171495
Ion	Ratio	Lower	Upper
53	100		
52	85.1	67.0	100.6
51	37.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 98.936 ug/l

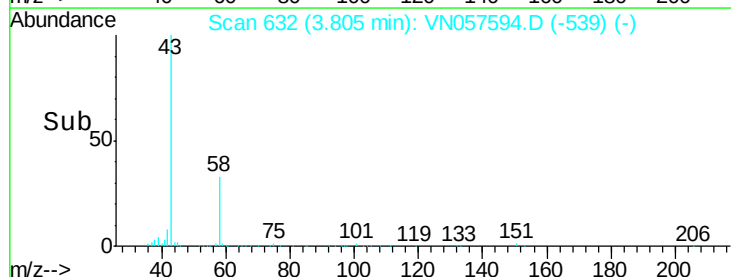
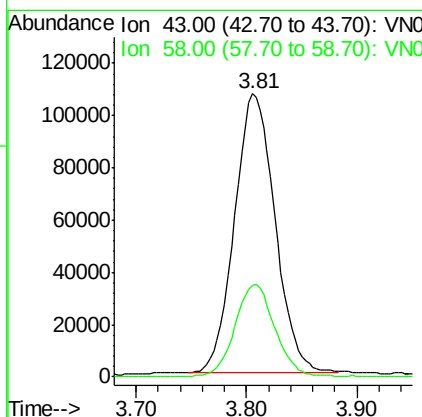
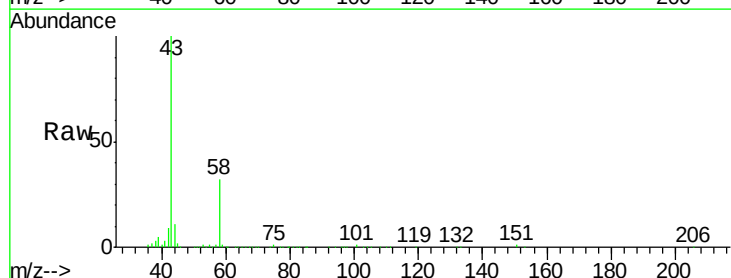
RT: 3.81 min Scan# 632

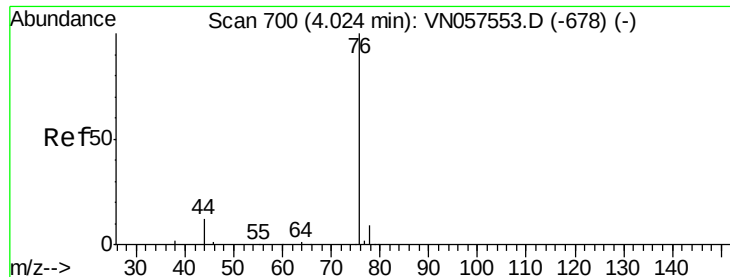
Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Tgt Ion:	43	Resp:	271232
Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.1	33.1





#17

Carbon Disulfide

Concen: 16.898 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion: 76 Resp: 181361

Ion Ratio Lower Upper

76 100

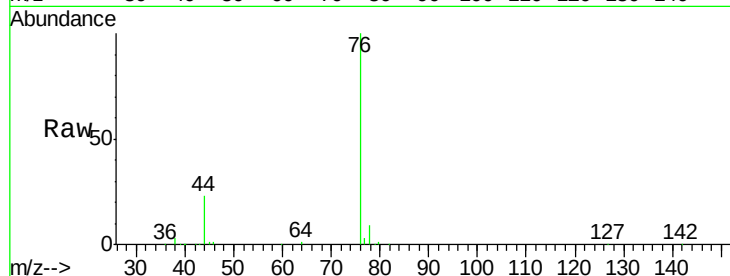
78 8.6 7.1 10.7

Manual Integrations

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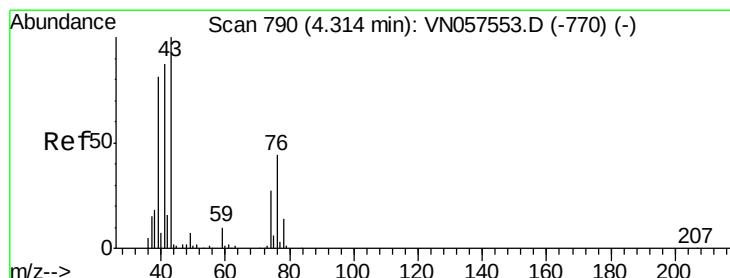
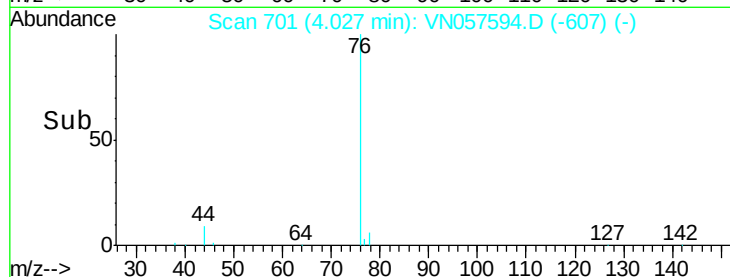
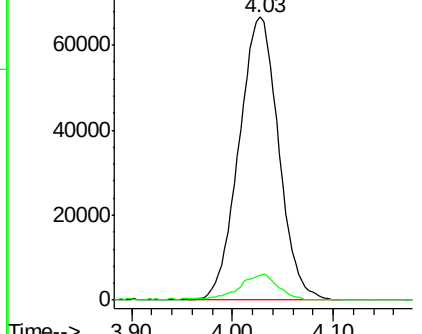
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.553 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057594.D

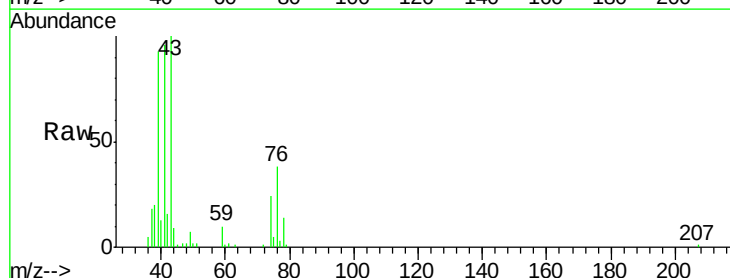
Acq: 30 Aug 2019 17:56

Tgt Ion: 43 Resp: 86753

Ion Ratio Lower Upper

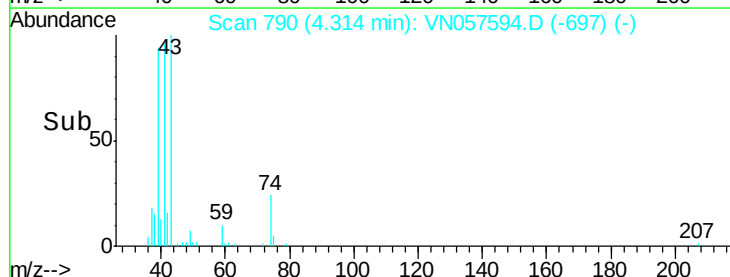
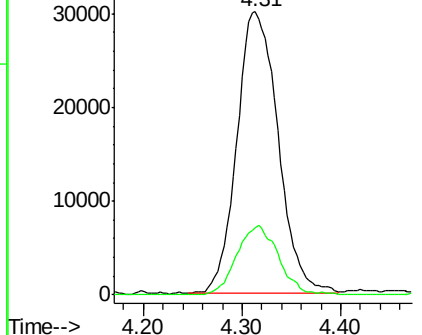
43 100

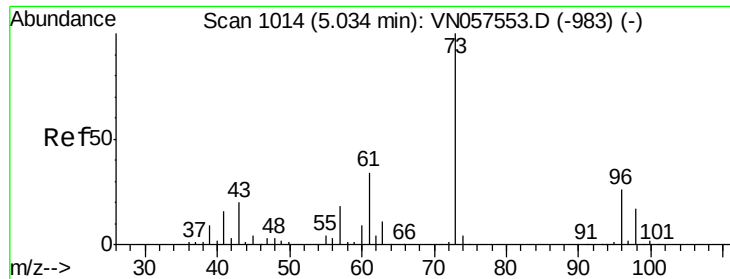
74 25.1 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





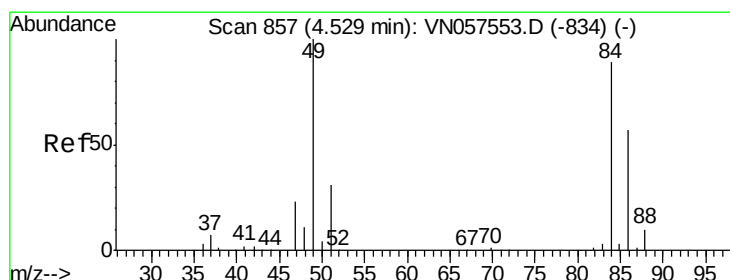
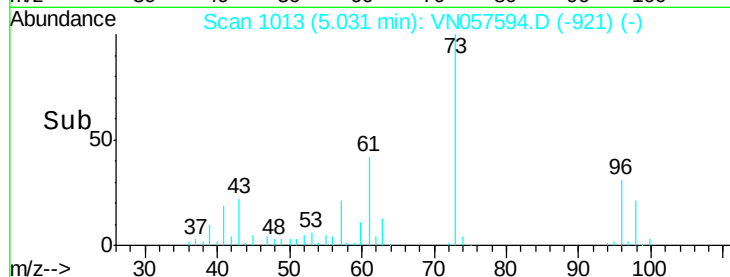
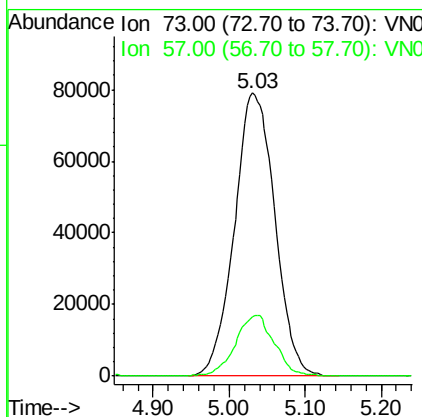
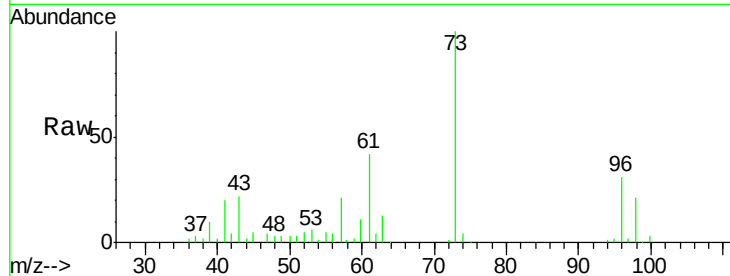
#19
Methyl tert-butyl Ether
Concen: 19.536 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion: 73 Resp: 292174
Ion Ratio Lower Upper
73 100
57 21.0 19.1 28.7

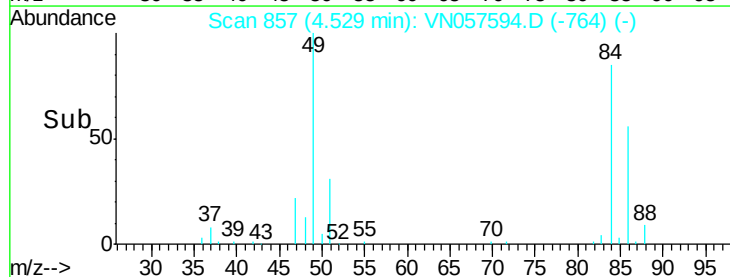
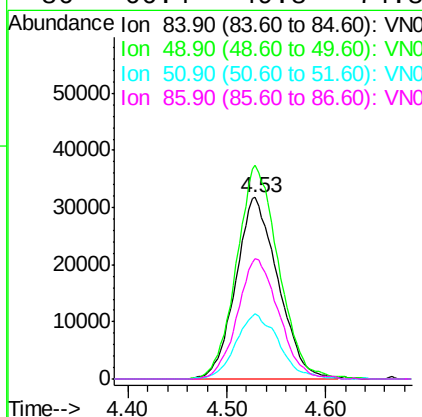
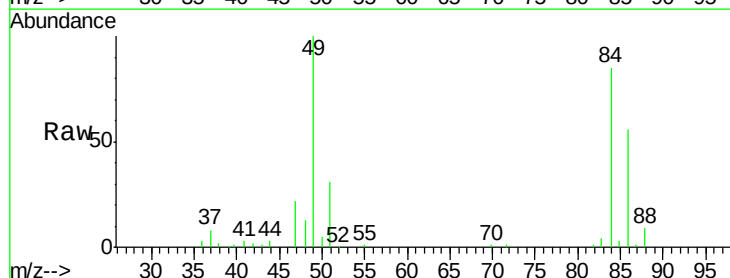
Manual Integrations
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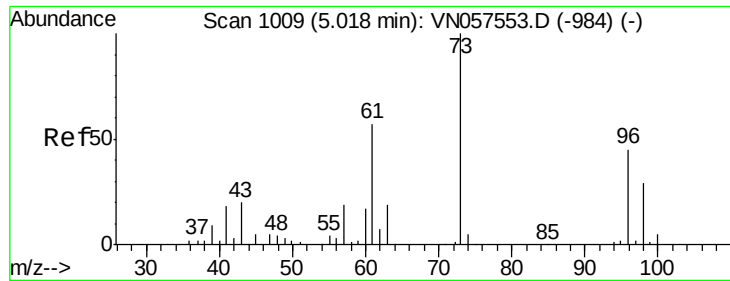
MMDadoda
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#20
Methylene Chloride
Concen: 18.562 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion: 84 Resp: 94267
Ion Ratio Lower Upper
84 100
49 117.7 117.0 175.4
51 35.9 35.5 53.3
86 66.4 49.8 74.8





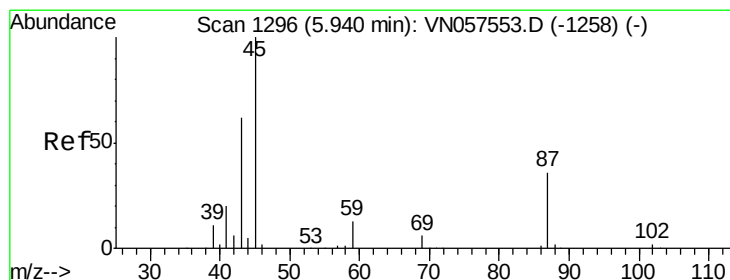
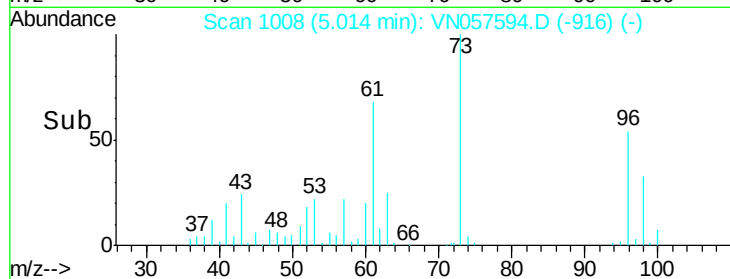
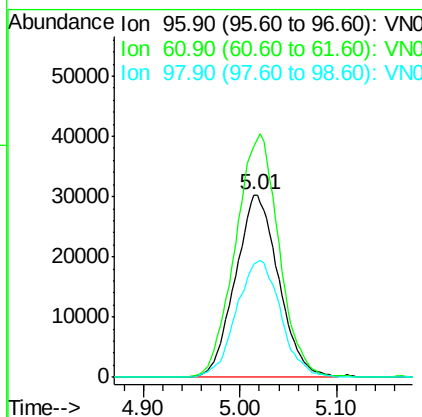
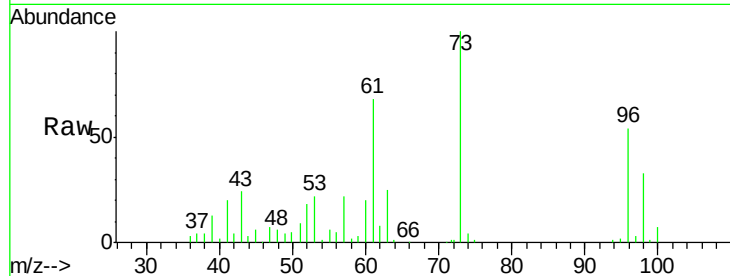
#21
trans-1,2-Dichloroethene
Concen: 19.151 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.4	127.9	191.9#
98	61.8	50.6	76.0

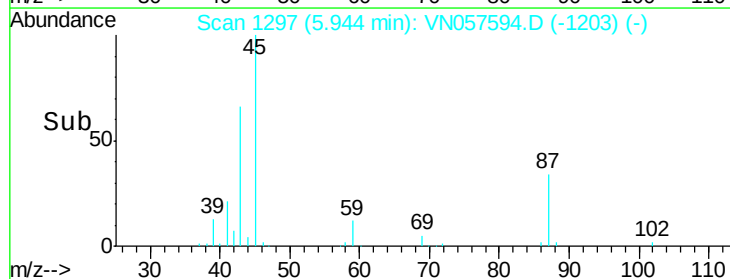
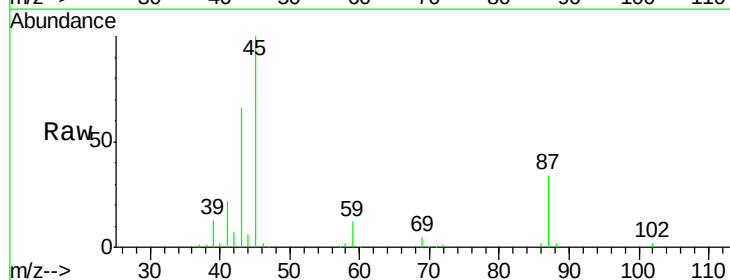
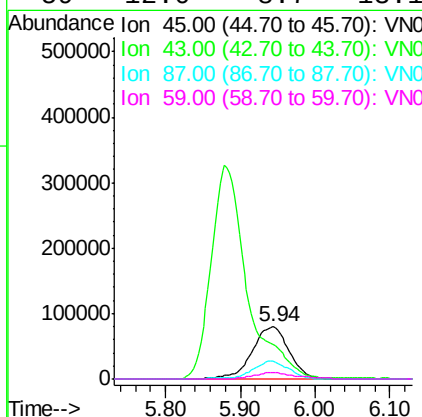
Manual Integrations
APPROVED

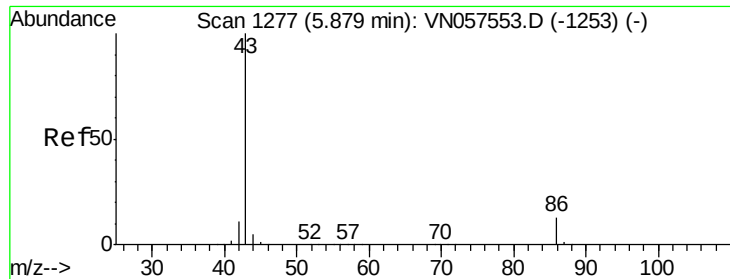
MMDadoda
8/31/2019 11:28:49 AM



#22
Diisopropyl ether
Concen: 21.068 ug/l
RT: 5.94 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.7	46.9	70.3
87	33.6	19.3	28.9#
59	12.0	8.7	13.1





#23

Vinyl Acetate

Concen: 108.332 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

Tot Ion: 43 Resp: 1090549

Ion Ratio Lower Upper

43 100

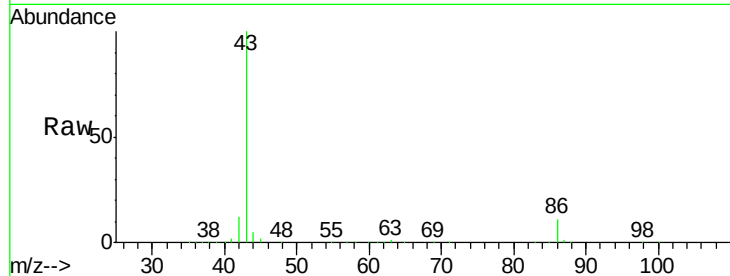
86 11.2 6.7 10.1#

Manual Integrations

APPROVED

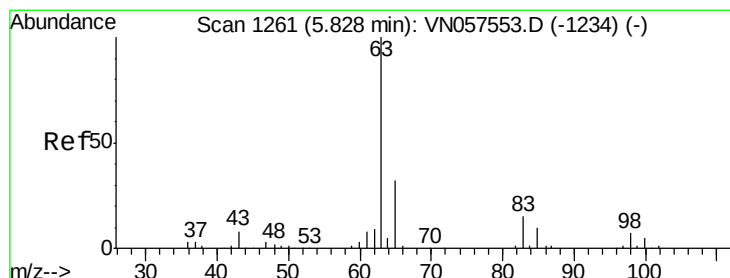
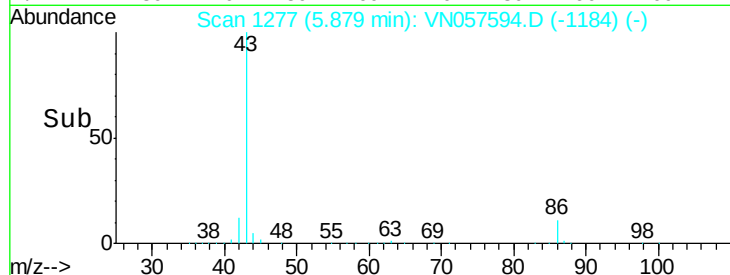
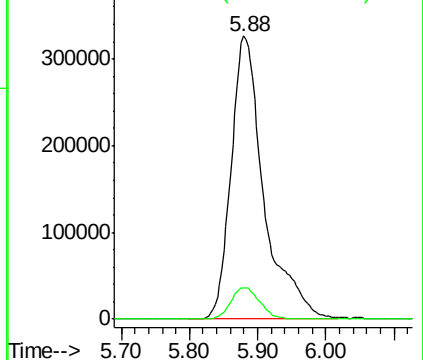
MMDadoda

8/31/2019 11:28:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.247 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

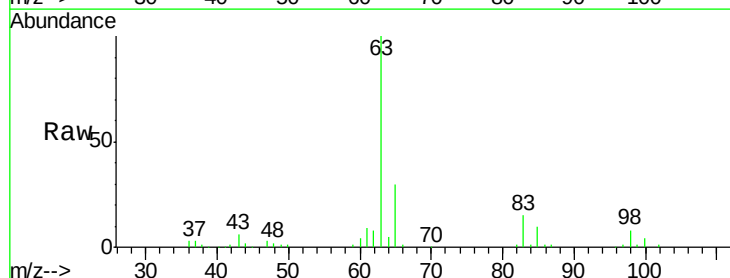
Tgt Ion: 63 Resp: 171753

Ion Ratio Lower Upper

63 100

98 7.8 2.9 8.6

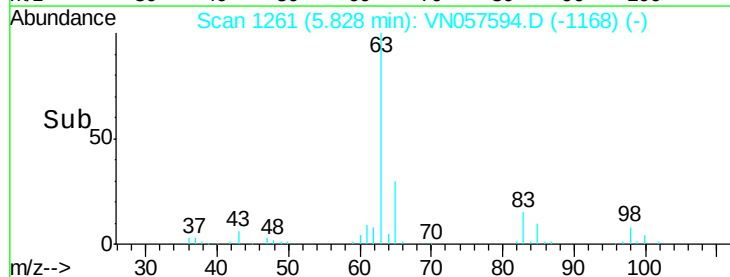
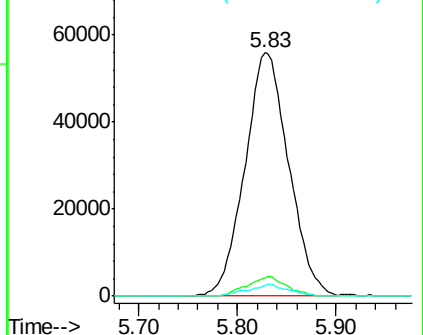
100 4.2 2.1 6.3

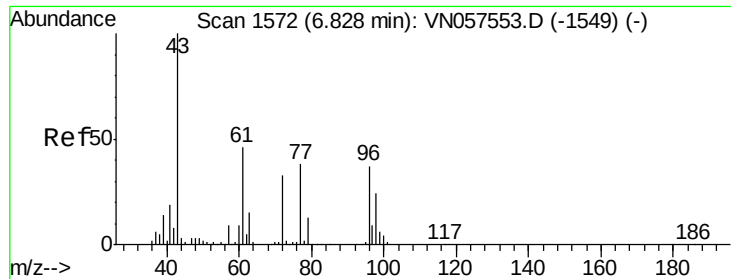


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





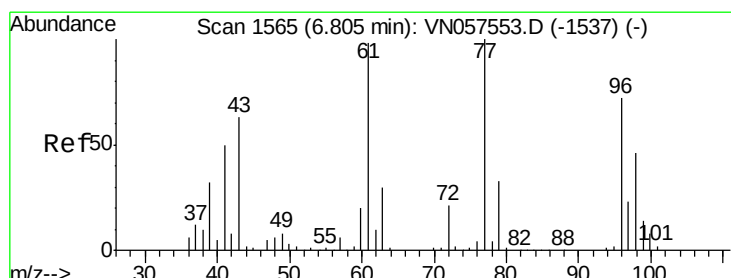
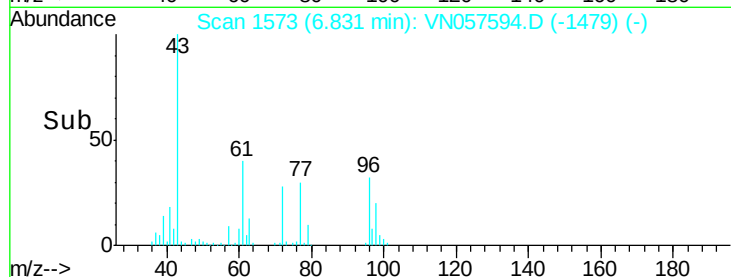
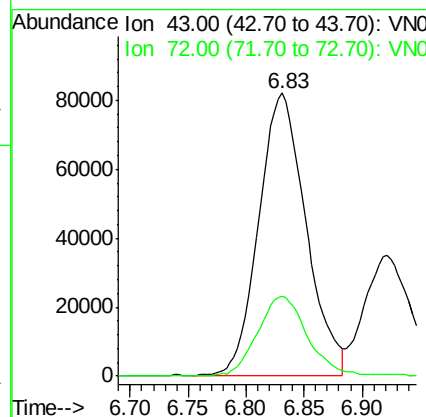
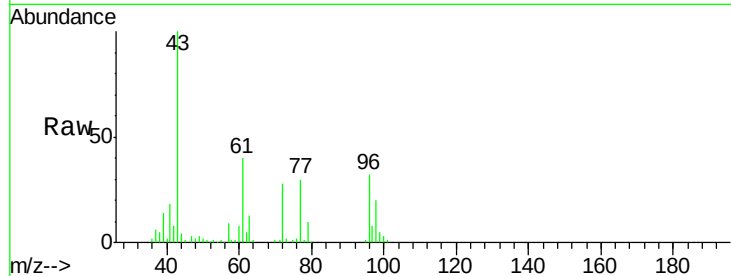
#25
2-Butanone
Concen: 107.047 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion: 43 Resp: 231641
Ion Ratio Lower Upper
43 100
72 28.4 17.8 26.8#

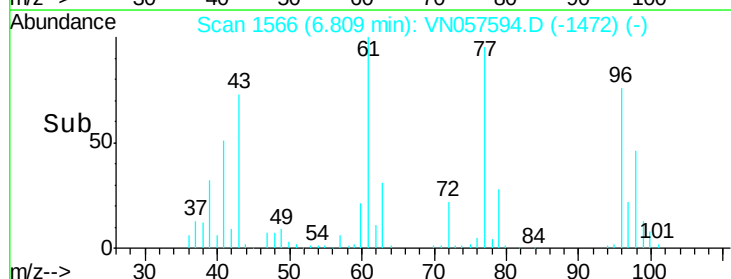
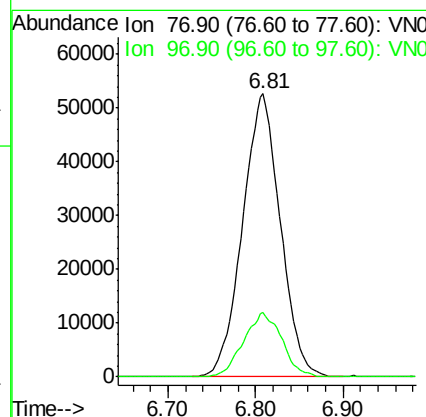
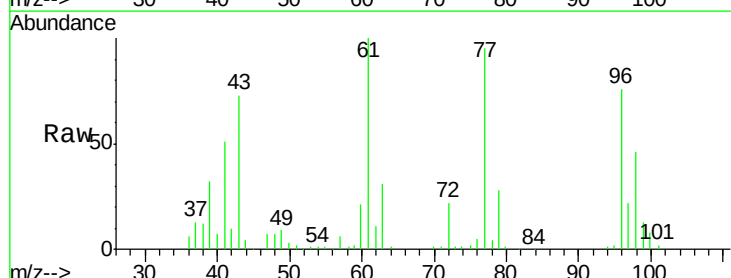
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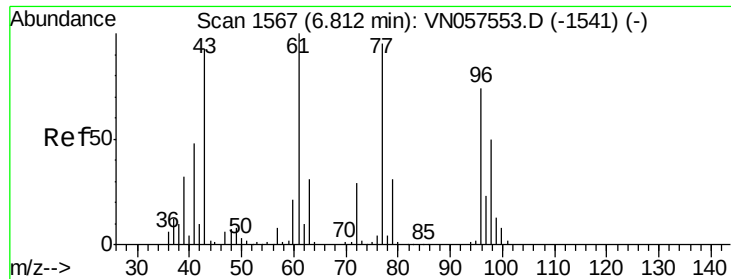
MMDadoda
8/31/2019 11:28:49 AM



#26
2,2-Dichloropropane
Concen: 18.210 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion: 77 Resp: 157720
Ion Ratio Lower Upper
77 100
97 23.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 20.174 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

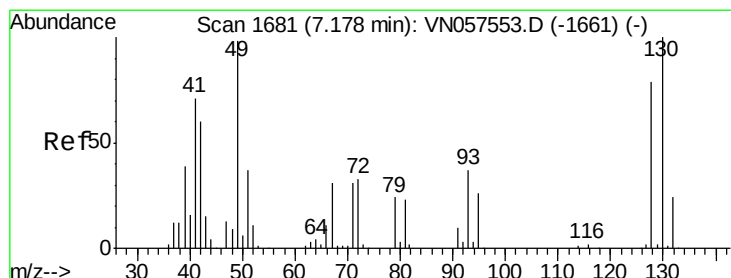
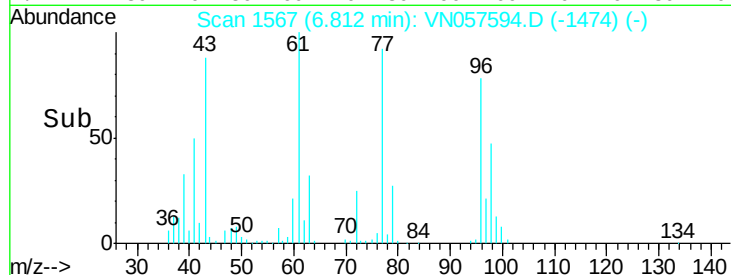
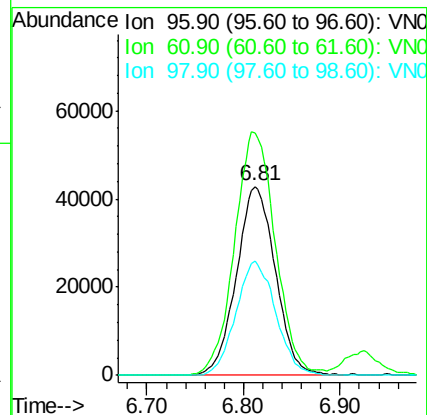
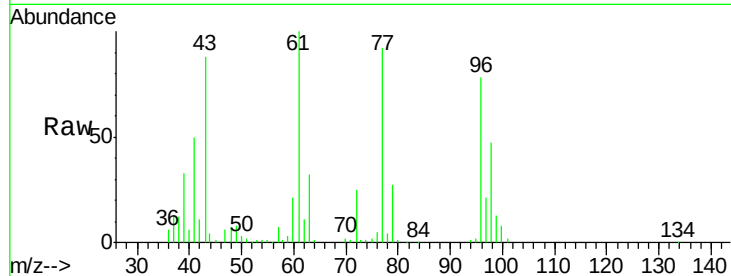
ClientSampleId :

VN0831WBSD01

Tot Ion:	96	Resp:	119990
Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	334.8
98	61.5	0.0	127.4

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#28

Bromochloromethane

Concen: 24.509 ug/l

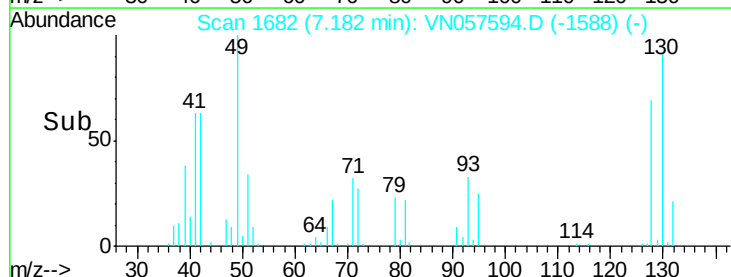
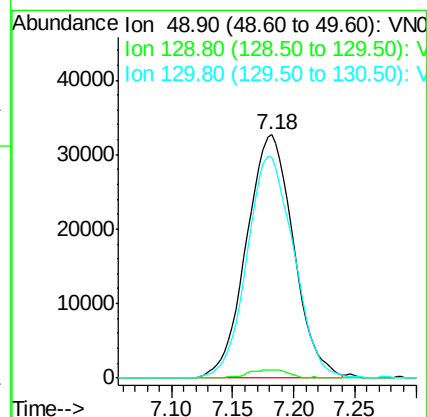
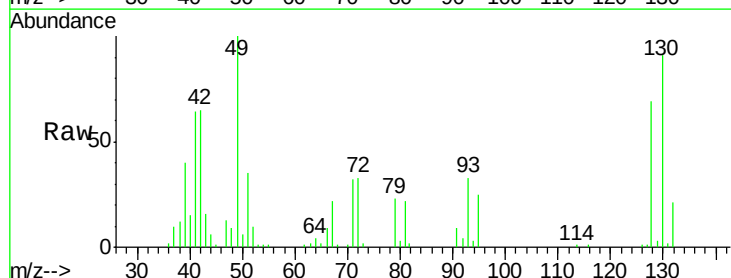
RT: 7.18 min Scan# 1682

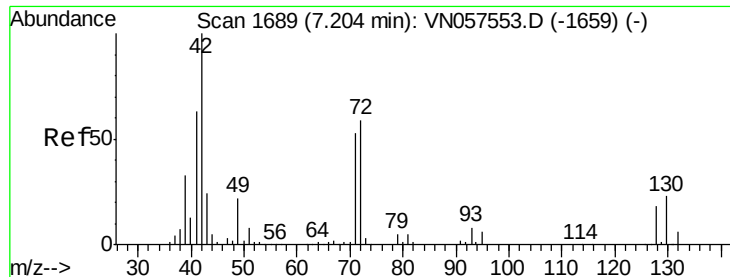
Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Tgt Ion:	49	Resp:	87393
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	3.6
130	90.8	48.6	72.8#





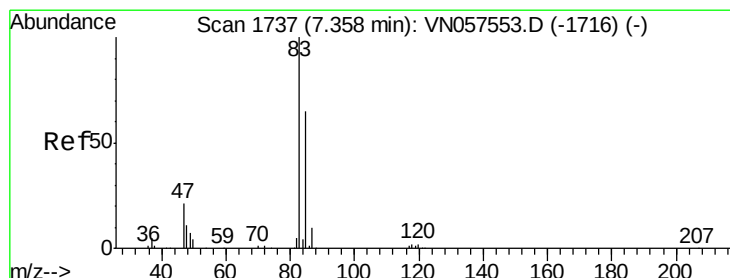
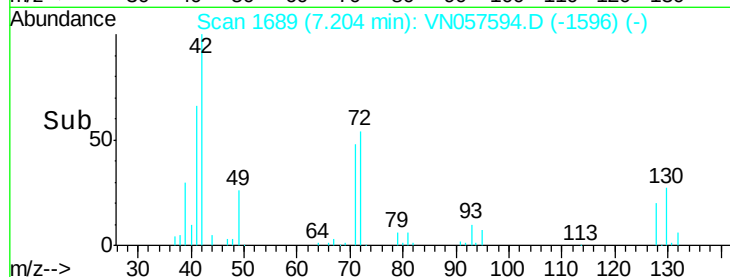
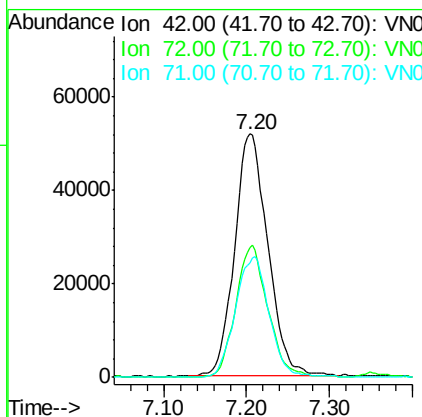
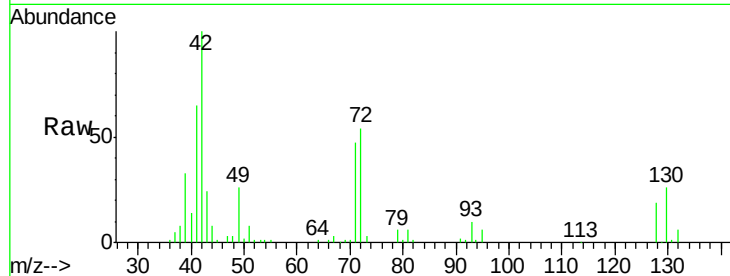
#29
Tetrahydrofuran
Concen: 107.088 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.7	30.1	45.1#
71	50.3	28.8	43.2#

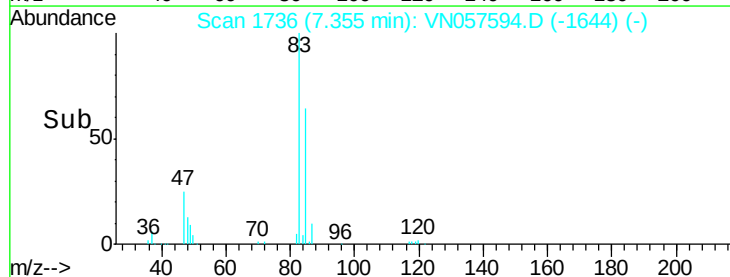
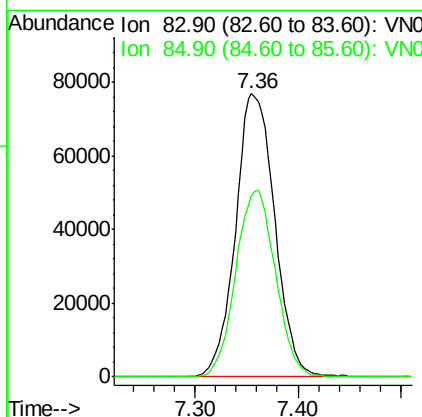
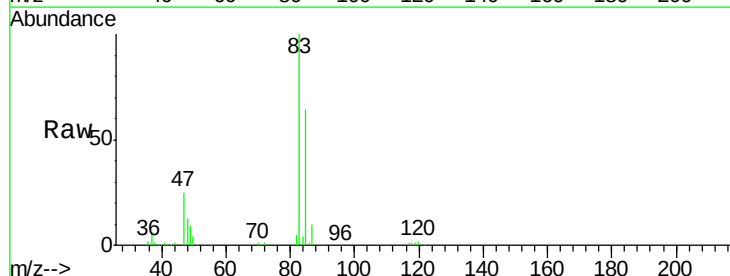
Manual Integrations
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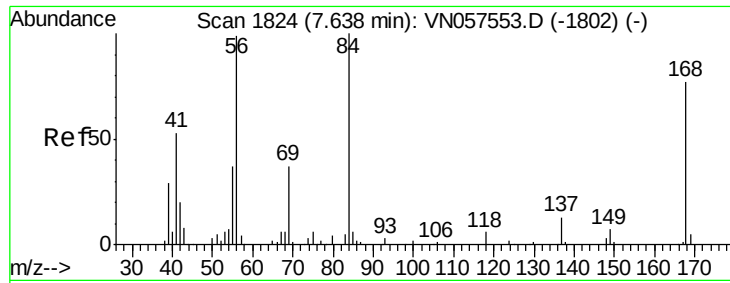
MMDadoda
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#30
Chloroform
Concen: 19.295 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.9	77.9





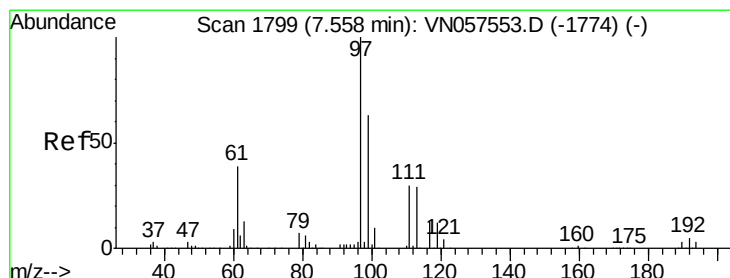
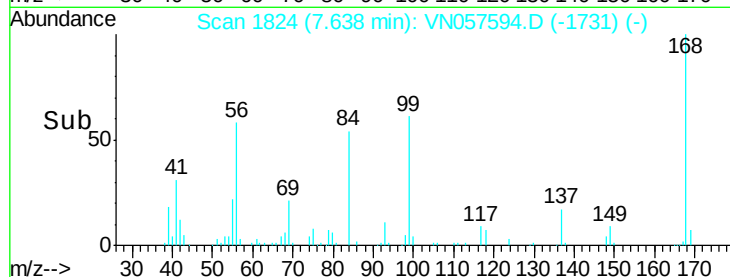
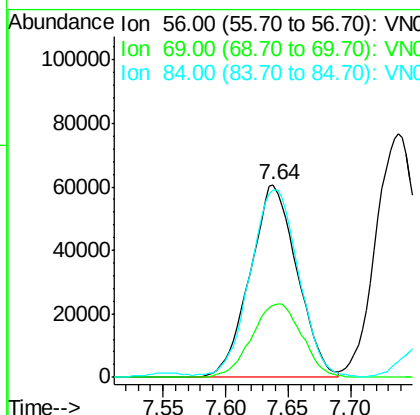
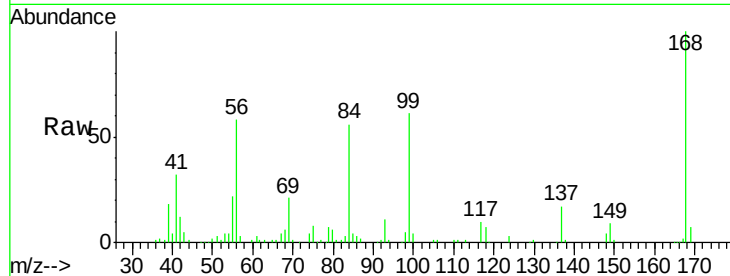
#31
Cyclohexane
Concen: 20.080 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	158188		
69	37.1	25.0	37.6	
84	95.8	62.5	93.7#	

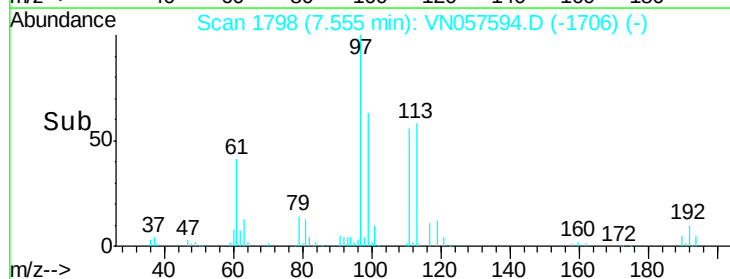
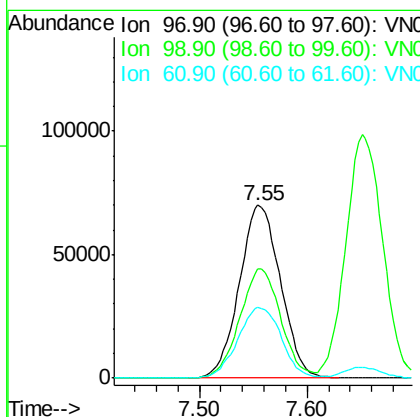
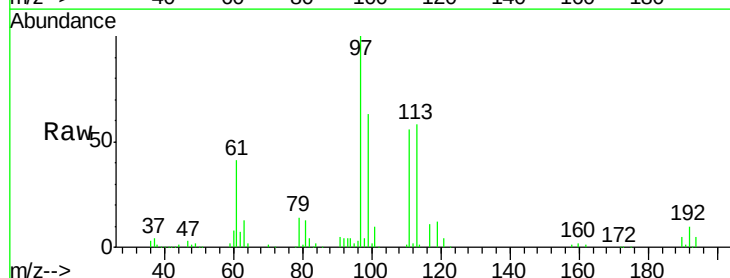
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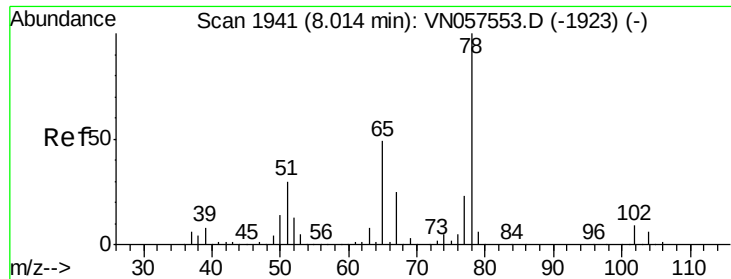
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8/31/2019 11:28:49 AM



#32
1,1,1-Trichloroethane
Concen: 19.890 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	186130		
99	62.8	51.0	76.6	
61	42.8	39.8	59.6	





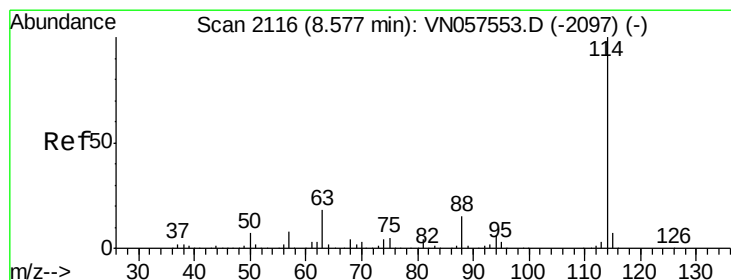
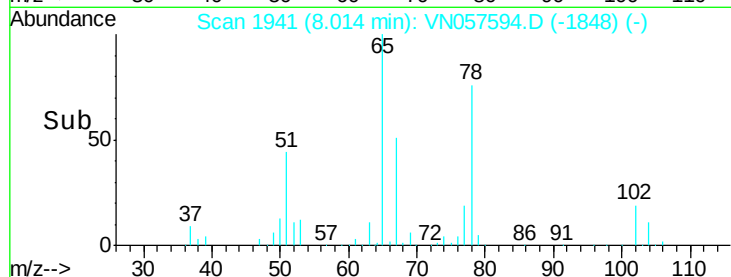
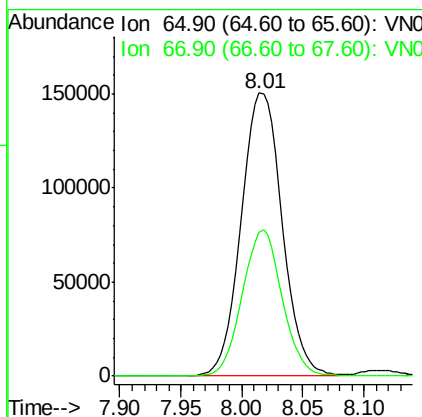
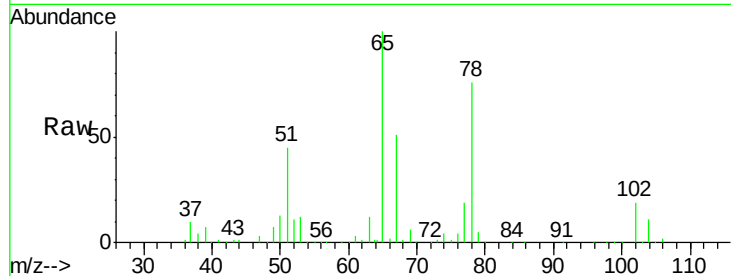
#33
 1,2-Dichloroethane-d4
 Concen: 51.565 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	349718		
67	50.1	0.0	103.8	

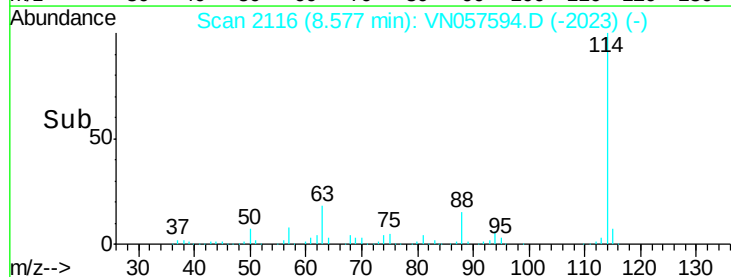
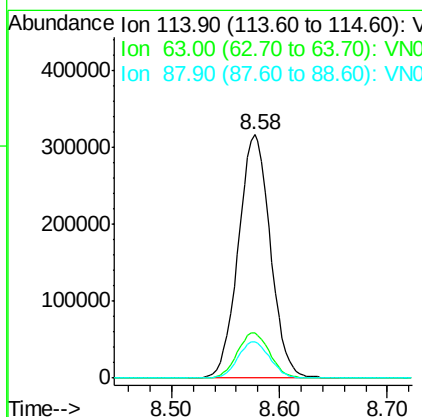
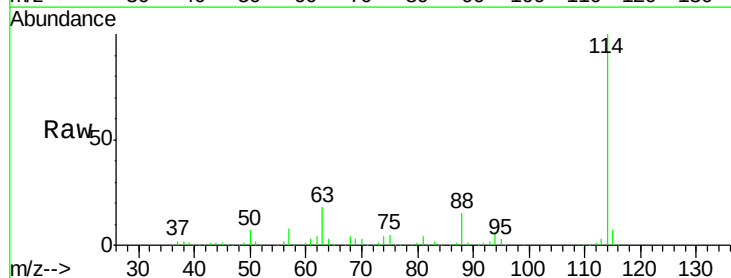
Manual Integrations
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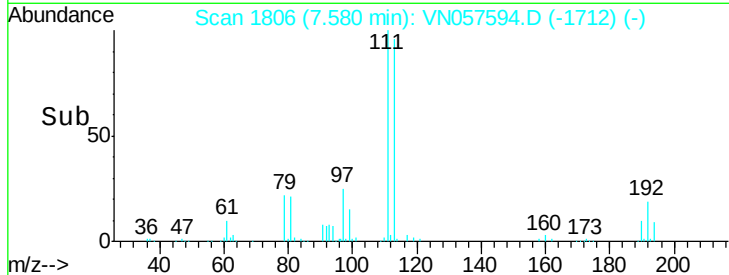
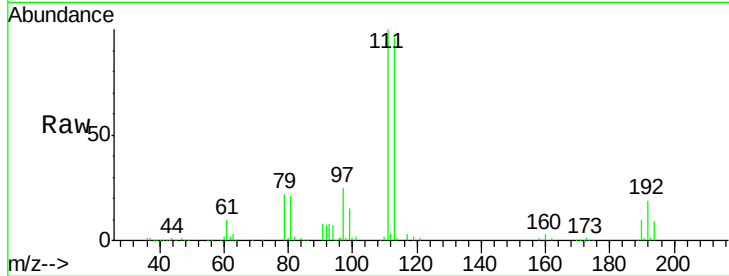
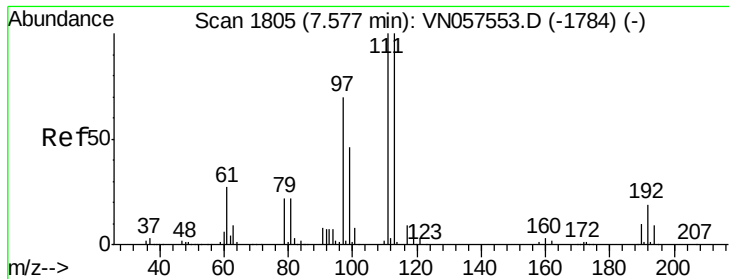
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 8/31/2019 11:28:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	653277		
63	18.4	0.0	50.2	
88	15.0	0.0	34.6	





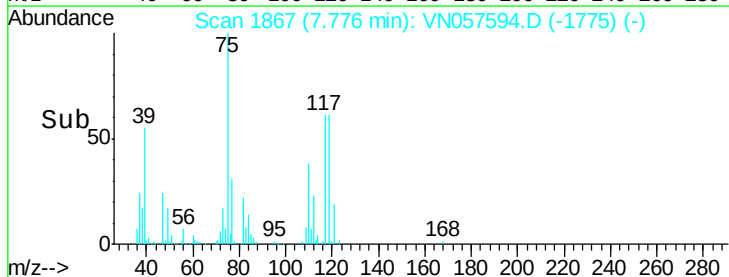
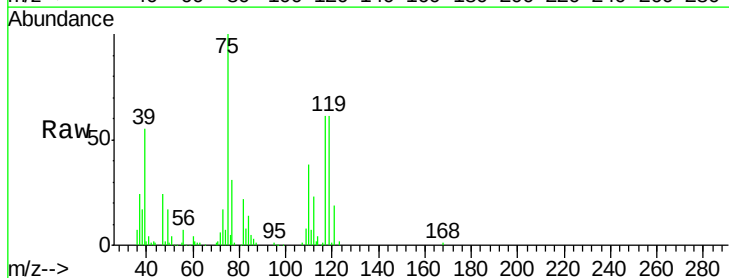
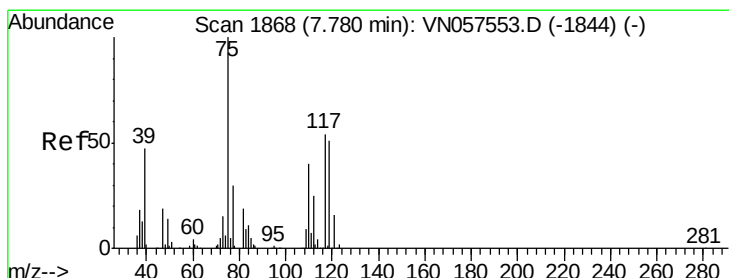
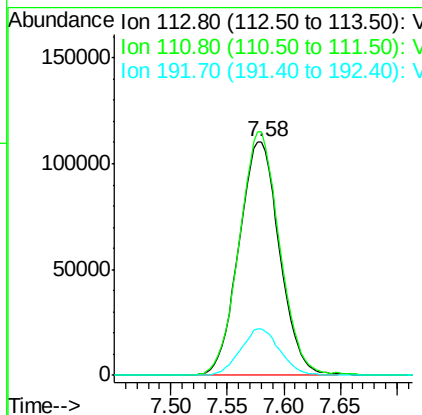
#35
Dibromofluoromethane
Concen: 47.261 ug/l
RT: 7.58 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tot Ion	Ratio	Resp	Lower	Upper
113	100	275956		
111	103.7	83.8	125.6	
192	19.3	13.5	20.3	

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

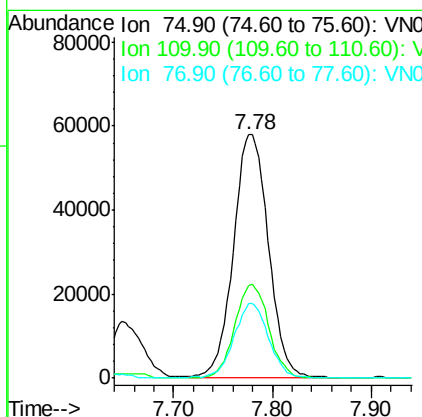
Manual Integrations
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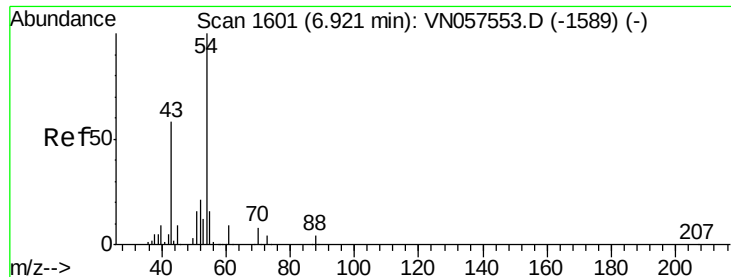
MMDadoda
8/31/2019 11:28:49 AM



#36
1,1-Dichloropropene
Concen: 20.255 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143141		
110	37.1	16.1	48.3	
77	30.1	24.8	37.2	





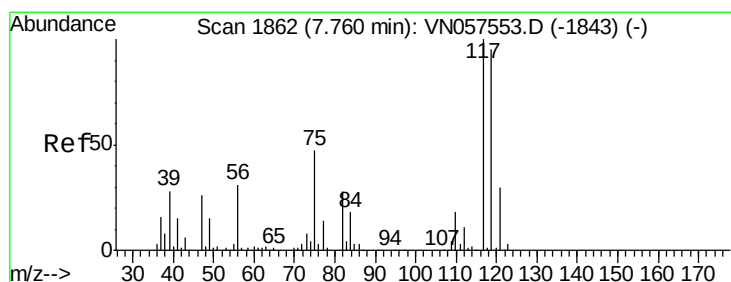
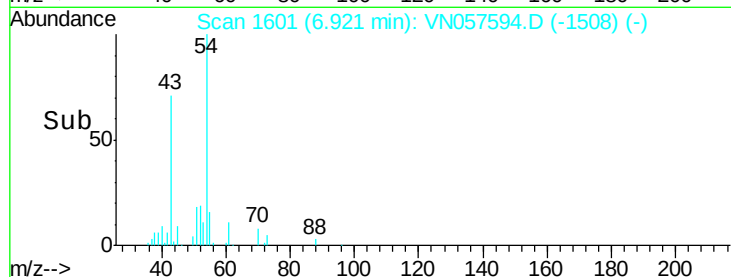
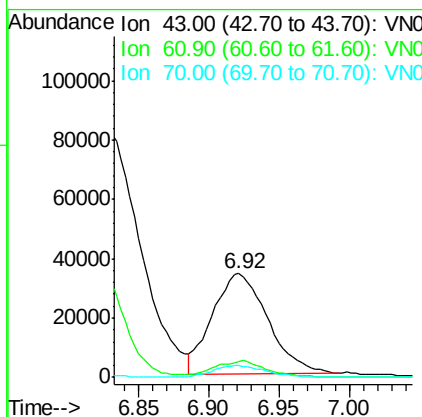
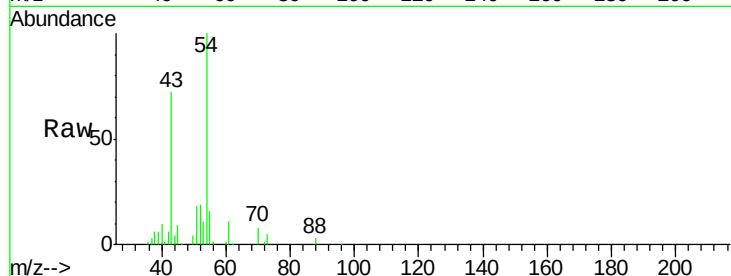
#37
Ethyl Acetate
Concen: 19.772 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	9.9	14.9#
70	11.2	7.0	10.6#

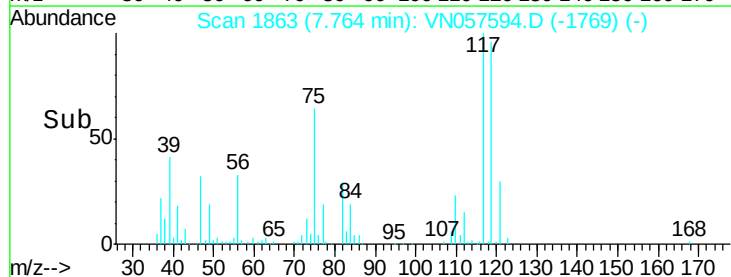
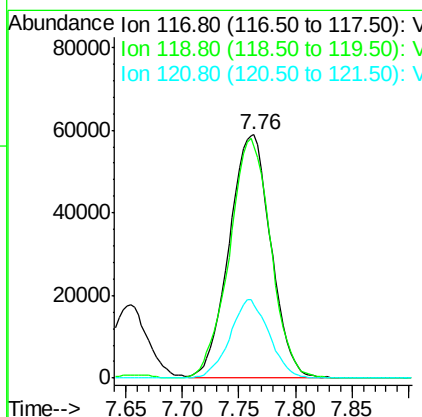
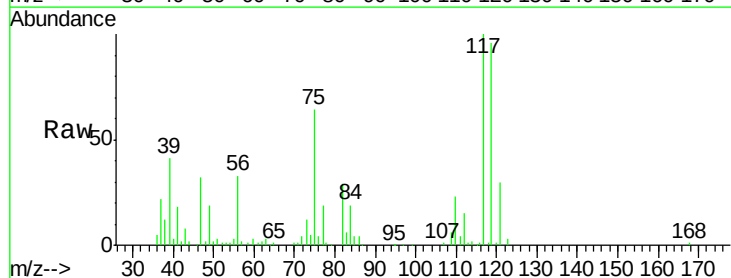
Manual Integrations
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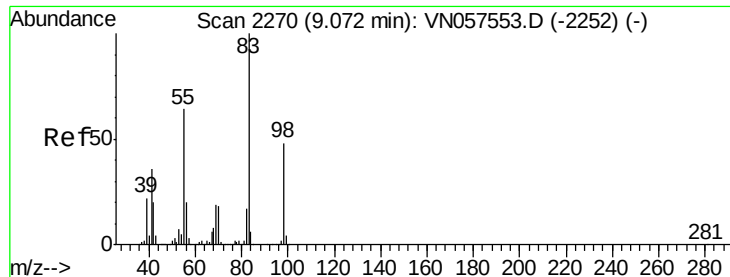
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#38
Carbon Tetrachloride
Concen: 18.308 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.4
121	30.4	23.8	35.6





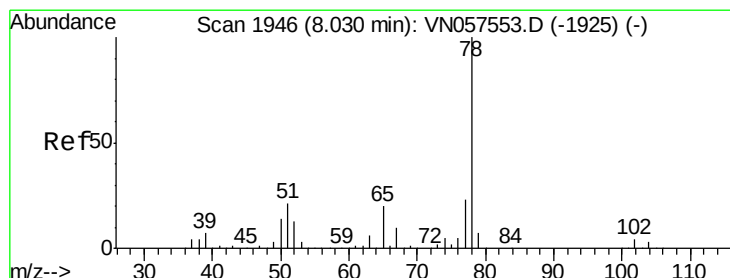
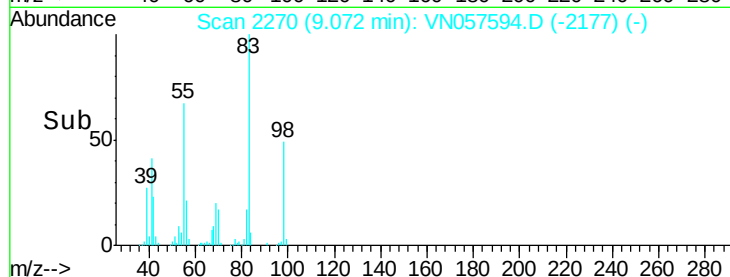
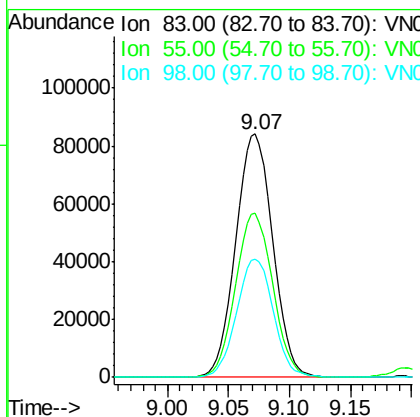
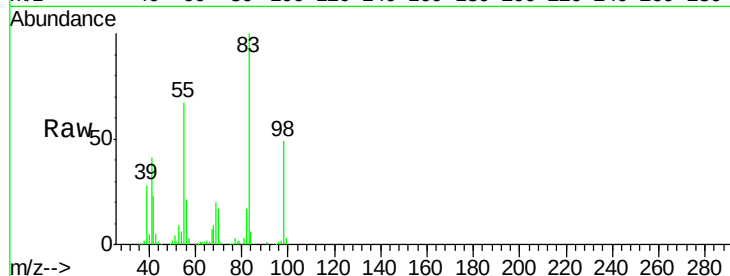
#39
Methylvlcyclohexane
Concen: 19.742 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.1	68.6	102.8#
98	48.8	36.6	54.8

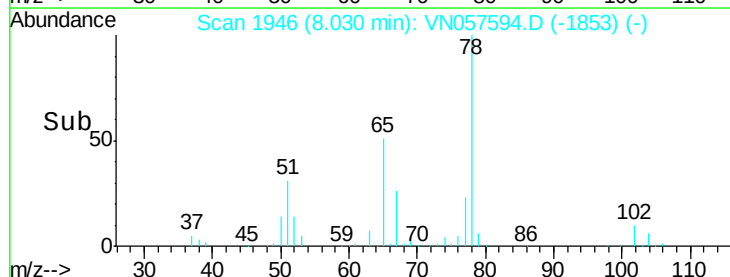
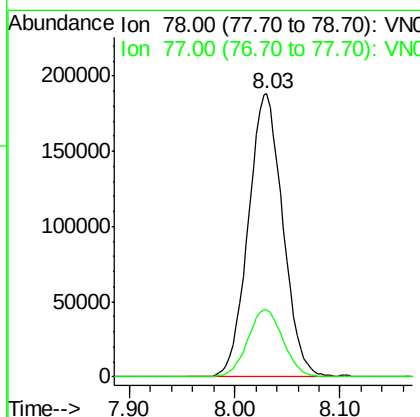
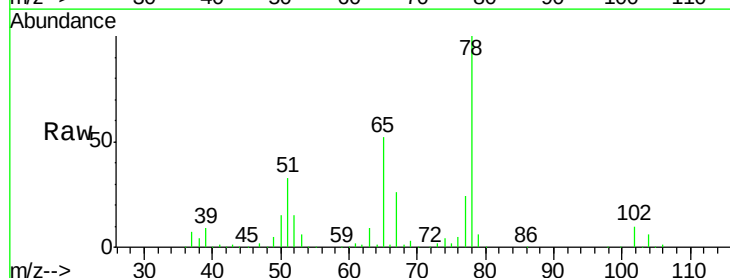
Manual Integrations
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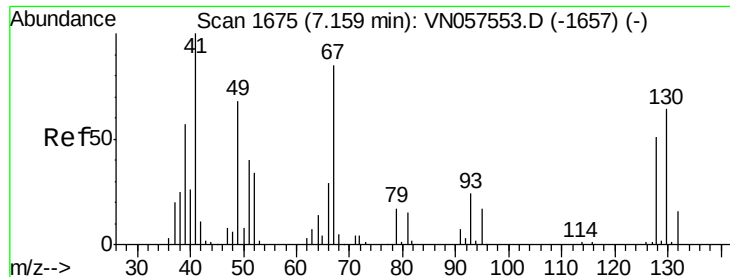
MMDadoda
8/31/2019 11:28:49 AM



#40
Benzene
Concen: 19.799 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7





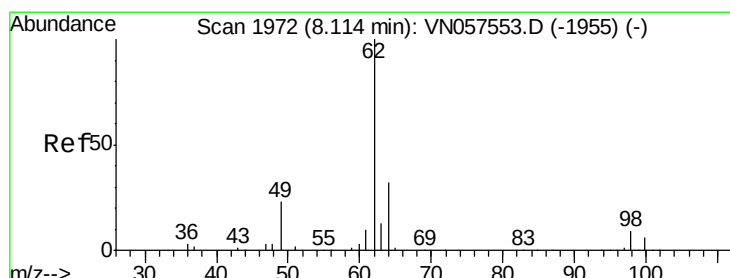
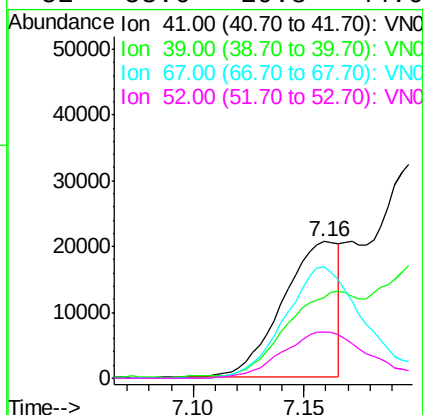
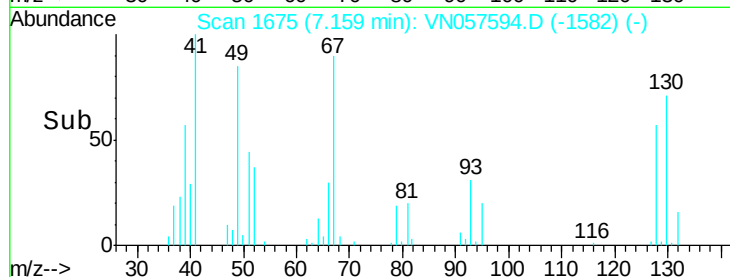
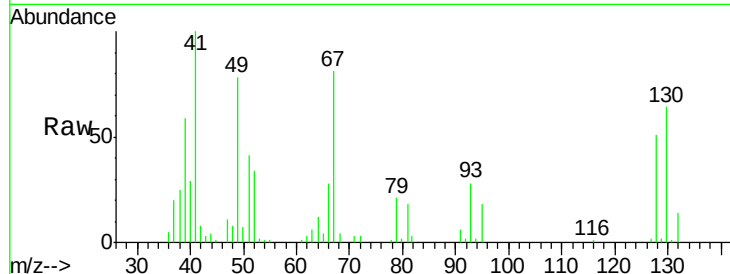
#41
Methacrylonitrile
Concen: 17.638 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.3	53.6	80.4
67	119.4	65.4	98.2#
52	53.6	29.8	44.6#

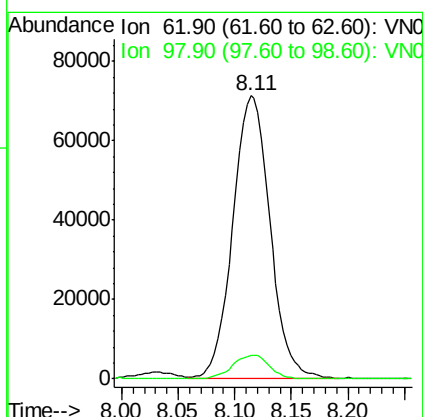
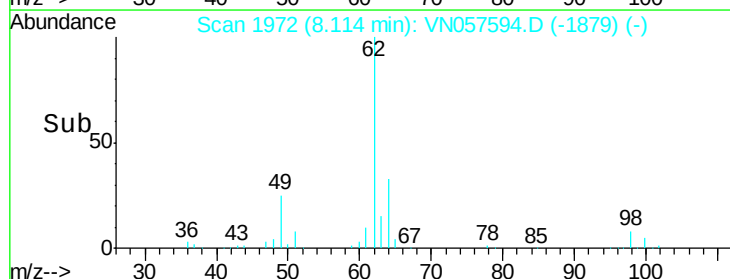
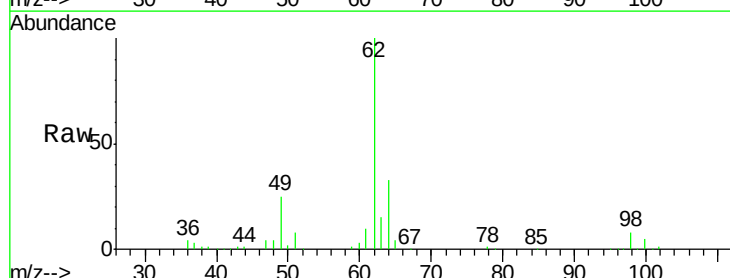
Manual Integrations
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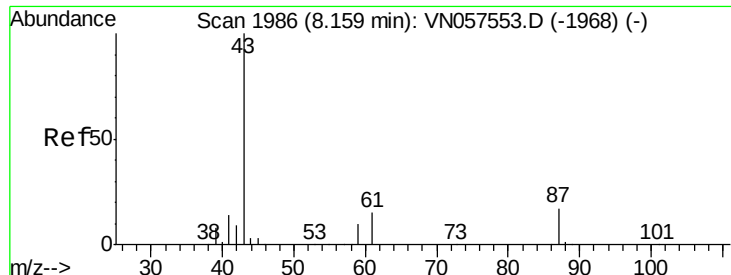
MMDadoda
8/31/2019 11:28:49 AM



#42
1,2-Dichloroethane
Concen: 21.183 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.4





#43

Isopropyl Acetate

Concen: 20.612 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

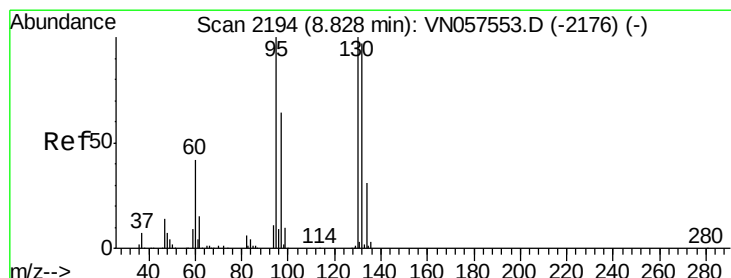
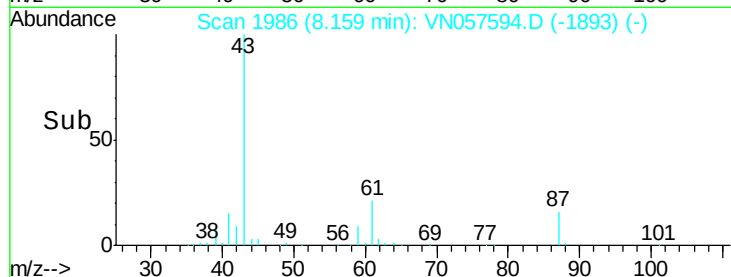
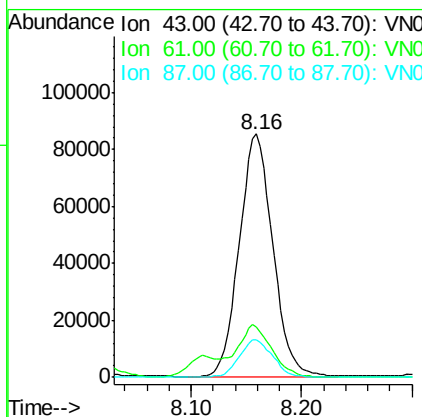
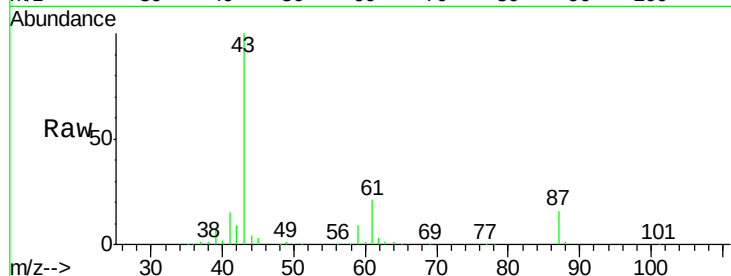
ClientSampleId :

VN0831WBSD01

Tot Ion:	43	Resp:	180136
Ion	Ratio	Lower	Upper
43	100		
61	20.9	14.5	21.7
87	15.4	8.6	12.8#

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#44

Trichloroethene

Concen: 19.835 ug/l

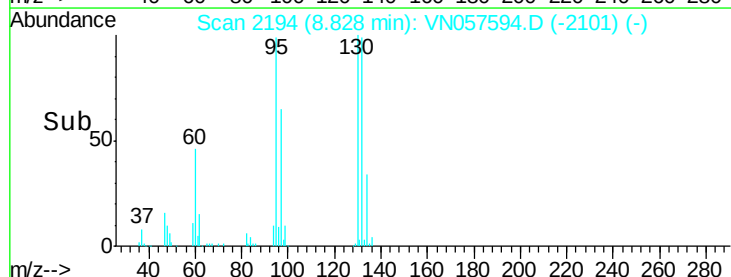
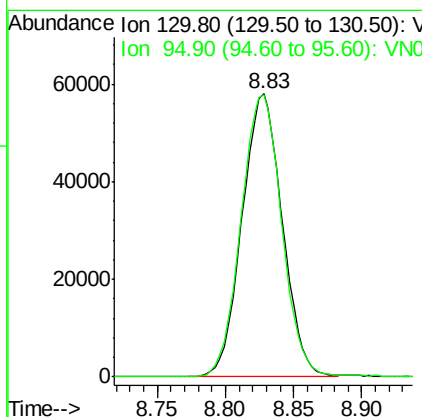
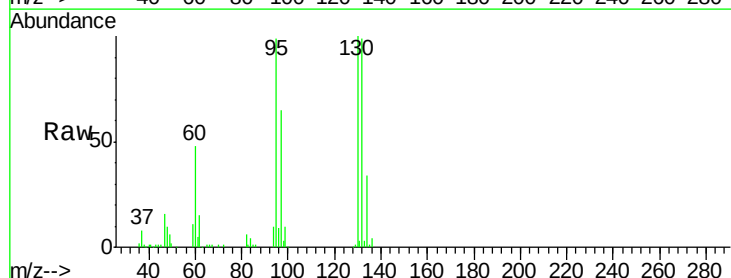
RT: 8.83 min Scan# 2194

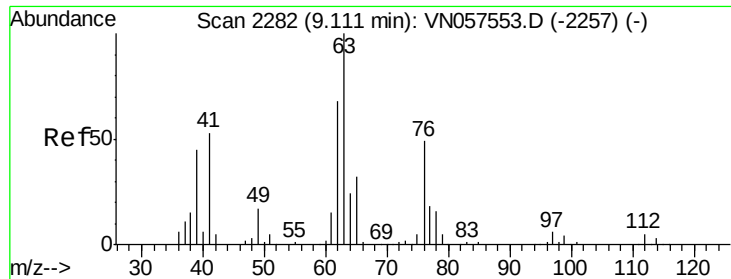
Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Tgt Ion:	130	Resp:	118538
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	231.6





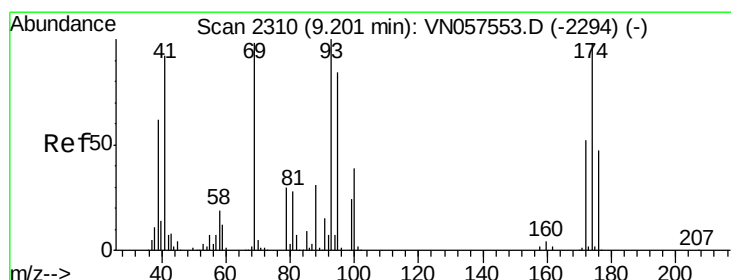
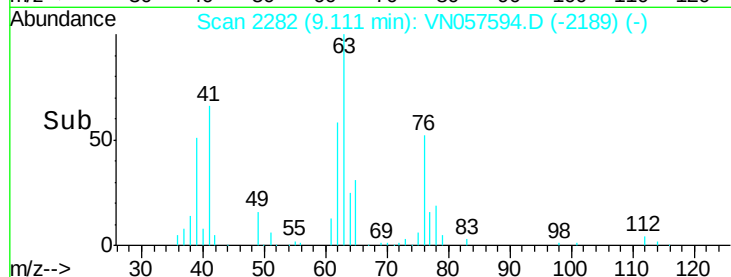
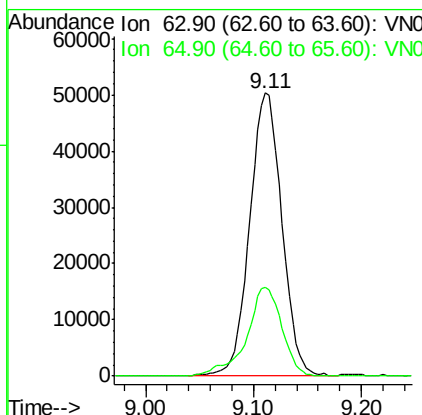
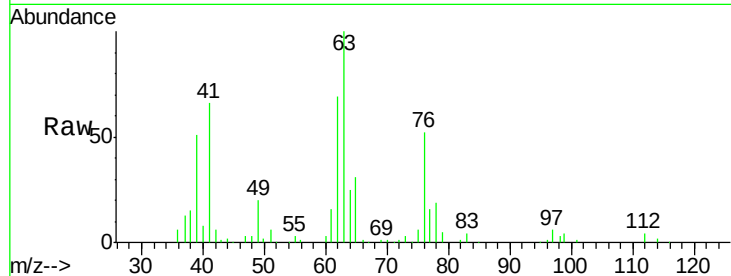
#45
 1,2-Dichloropropane
 Concen: 20.639 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion: 63 Resp: 104373
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1

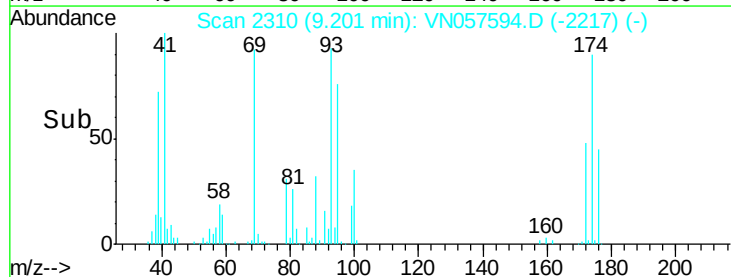
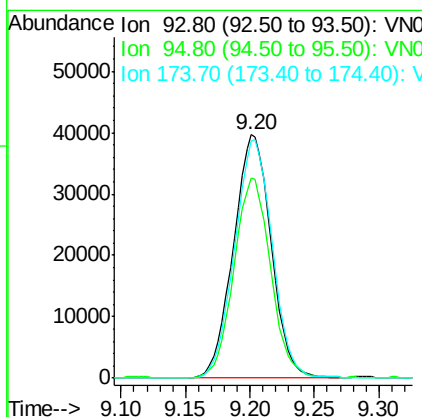
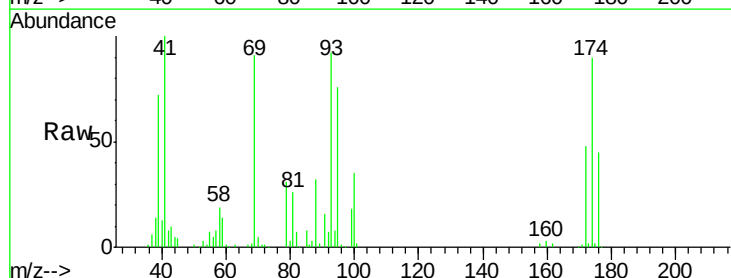
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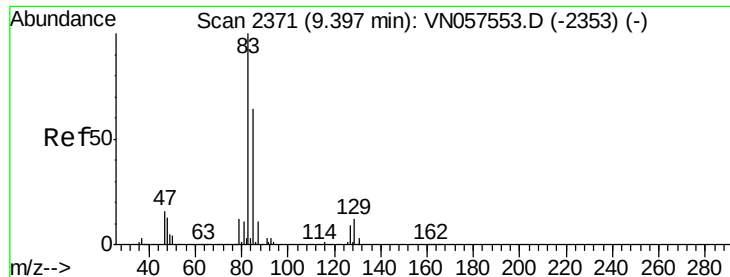
MMDadoda
 8/31/2019 11:28:49 AM



#46
 Dibromomethane
 Concen: 20.355 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion: 93 Resp: 80719
 Ion Ratio Lower Upper
 93 100
 95 80.3 64.7 97.1
 174 97.5 62.3 93.5#





#47

Bromodichloromethane

Concen: 19.104 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

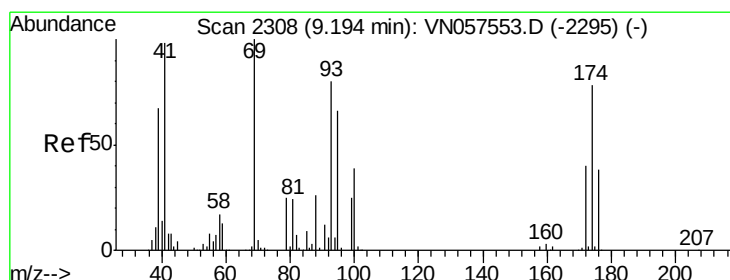
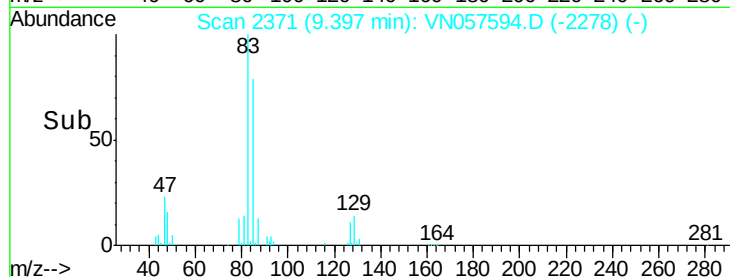
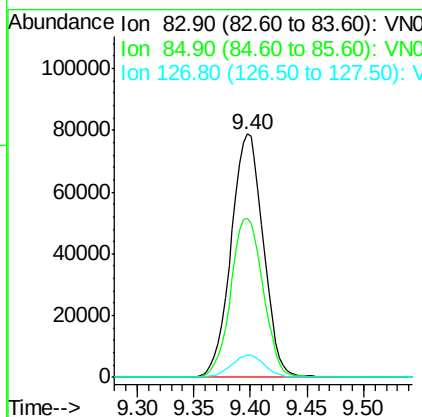
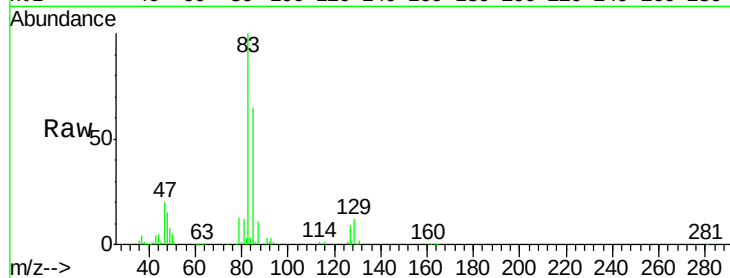
ClientSampleId :

VN0831WBSD01

Tot Ion:	83	Resp:	156185
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.2	76.8
127	9.3	6.6	10.0

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#48

Methyl methacrylate

Concen: 21.286 ug/l

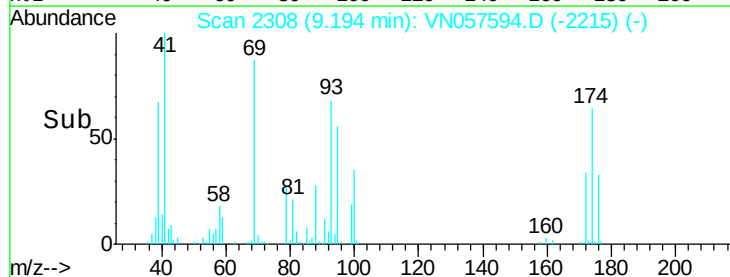
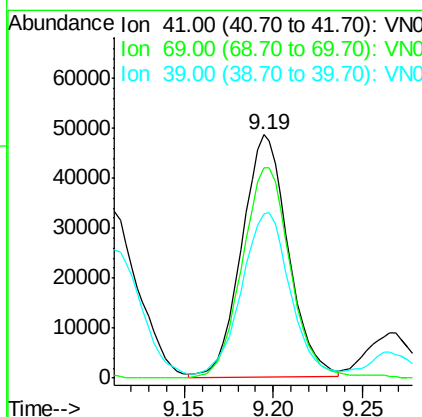
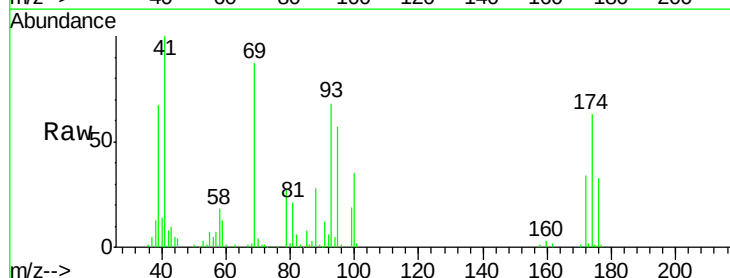
RT: 9.19 min Scan# 2308

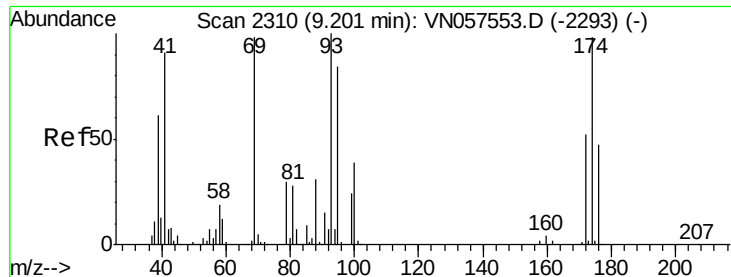
Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Tgt Ion:	41	Resp:	87859
Ion	Ratio	Lower	Upper
41	100		
69	91.0	59.3	88.9#
39	71.6	50.6	75.8





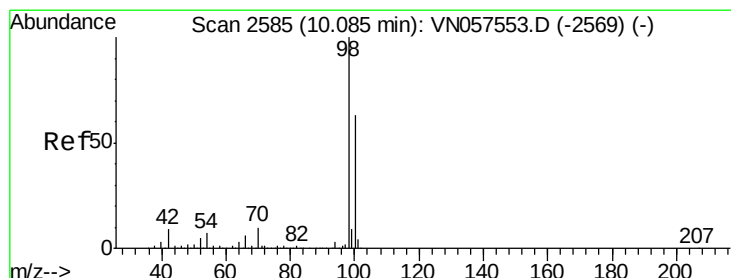
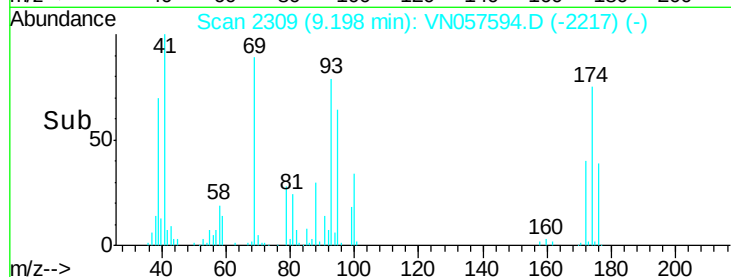
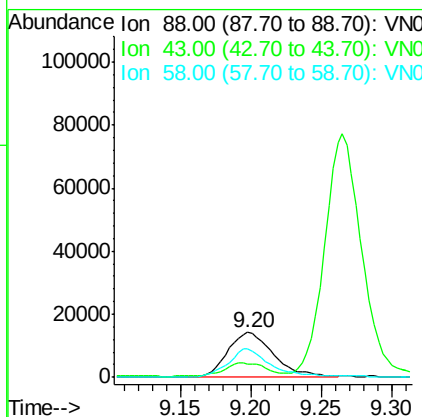
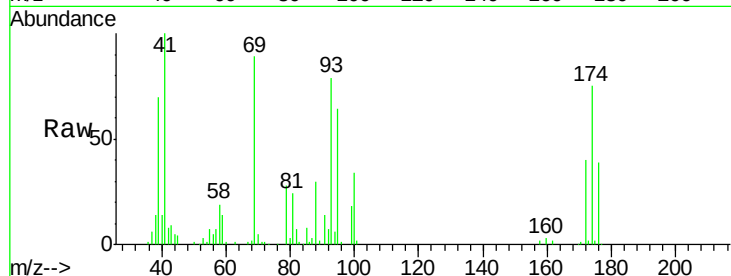
#49
1,4-Dioxane
Concen: 432.468 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	31.0	46.6#
58	61.6	64.5	96.7#

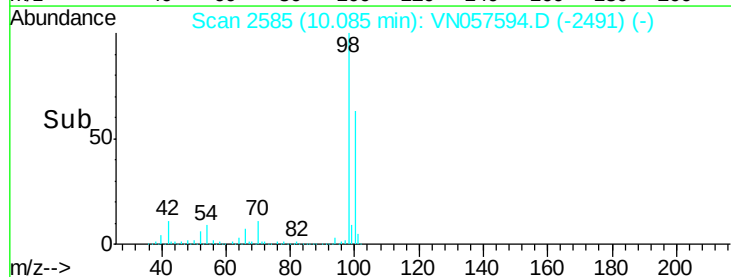
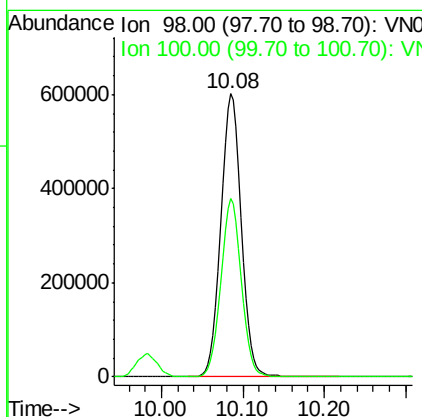
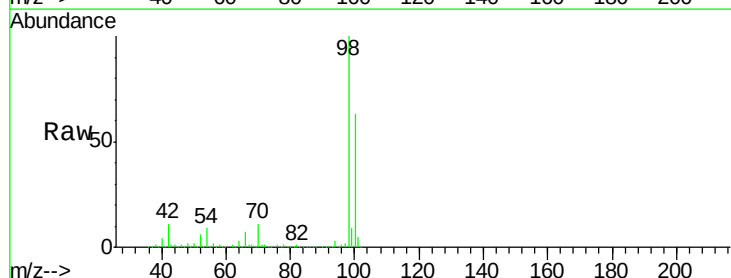
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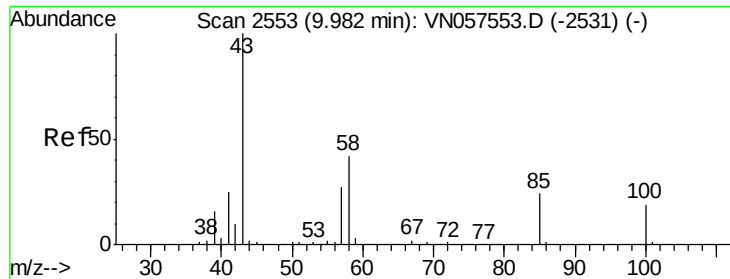
MMDadoda
8/31/2019 11:28:49 AM



#50
Toluene-d8
Concen: 52.134 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 110.580 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion: 43 Resp: 516508

Ion Ratio Lower Upper

43 100

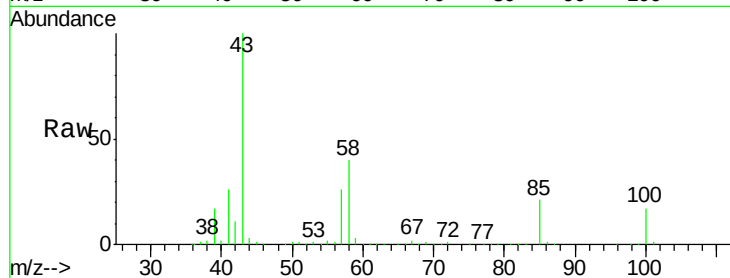
58 39.5 27.9 41.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

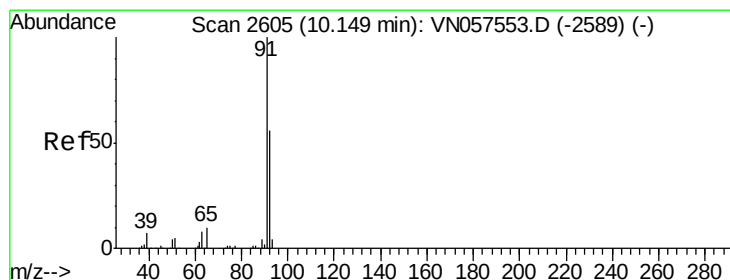
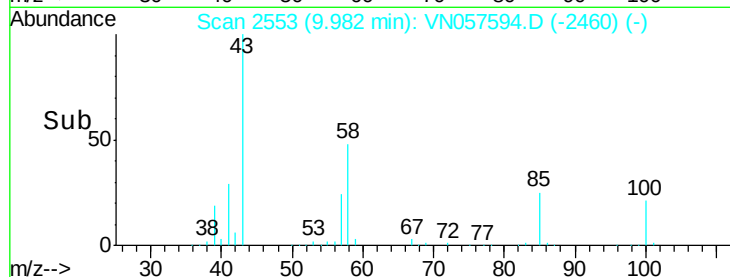
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.881 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057594.D

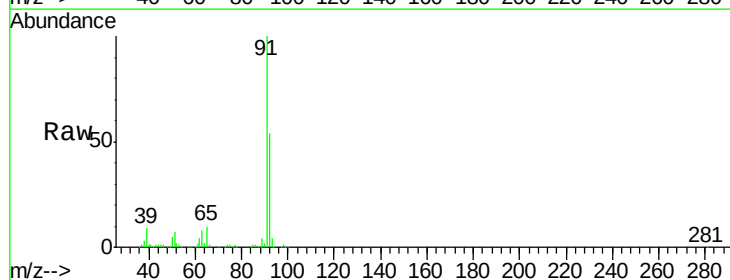
Acq: 30 Aug 2019 17:56

Tgt Ion: 92 Resp: 278755

Ion Ratio Lower Upper

92 100

91 182.5 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

300000

250000

200000

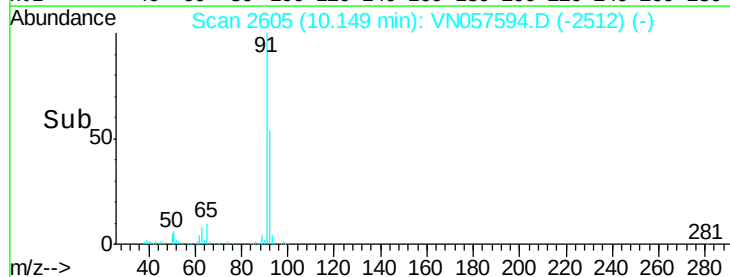
150000

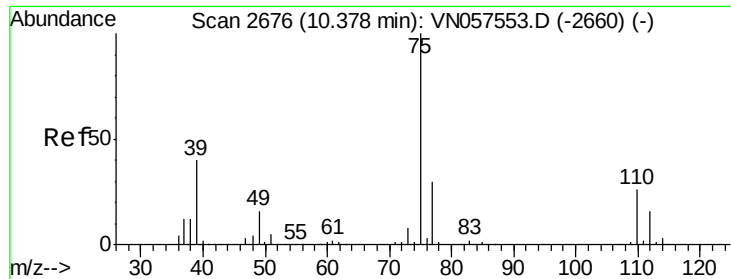
100000

50000

0

Time-->





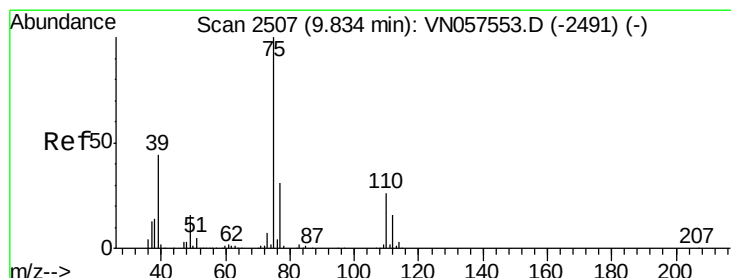
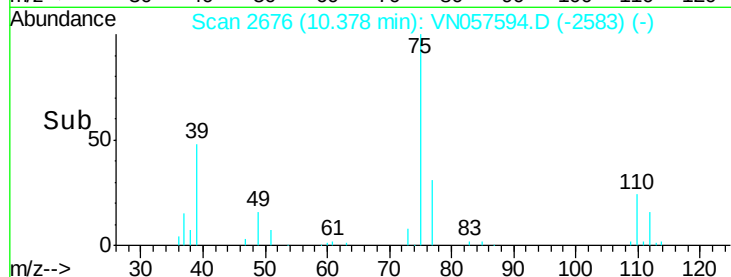
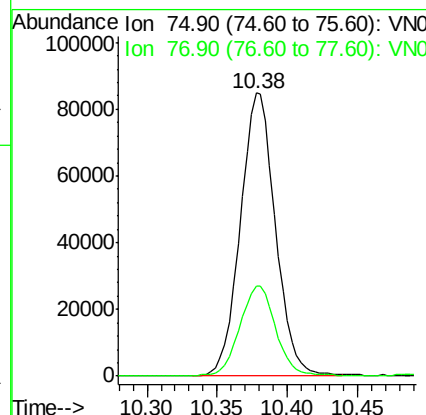
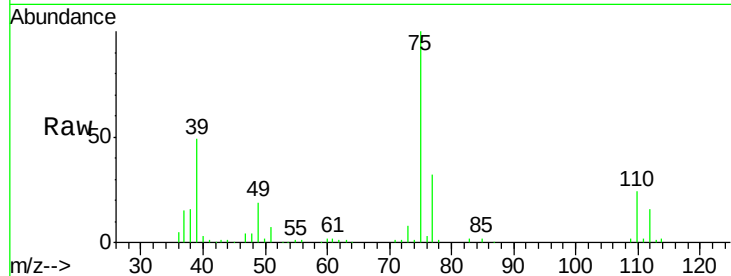
#53
 t-1,3-Dichloropropene
 Concen: 18.712 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion: 75 Resp: 147846
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6

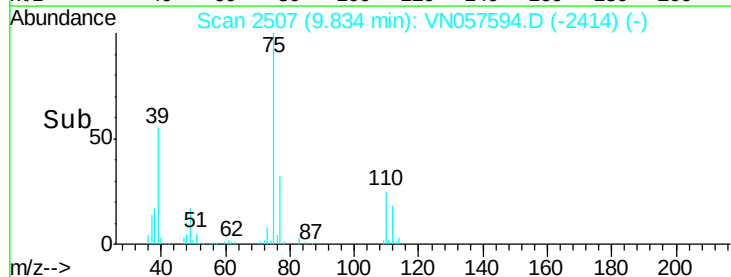
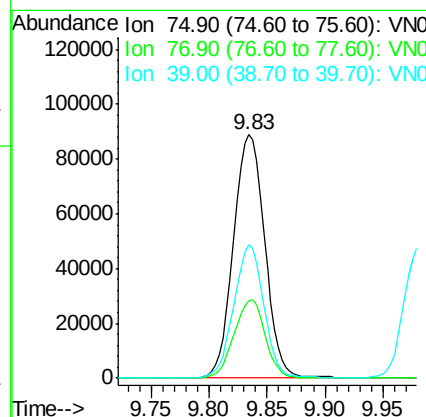
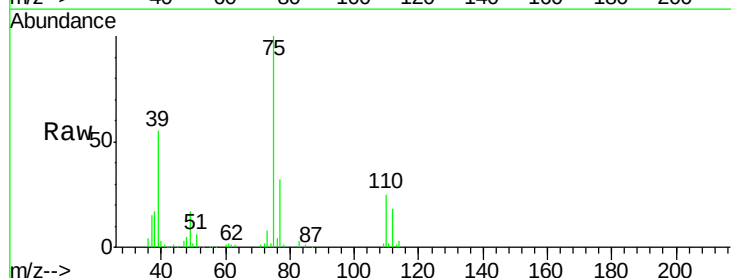
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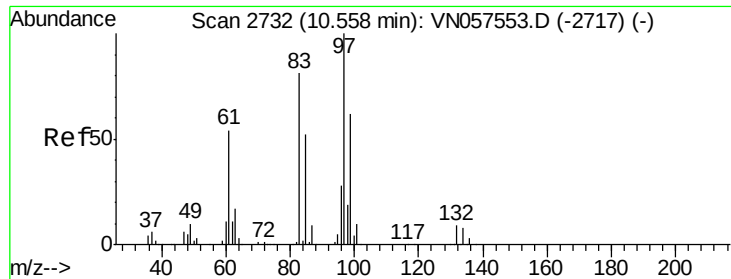
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.433 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion: 75 Resp: 166302
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6
 39 54.4 49.2 73.8





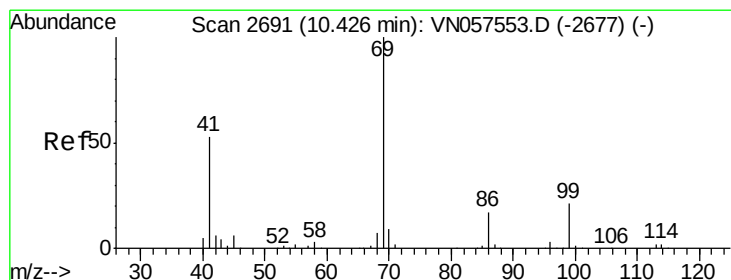
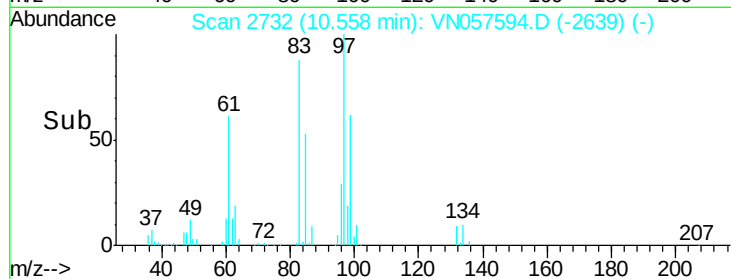
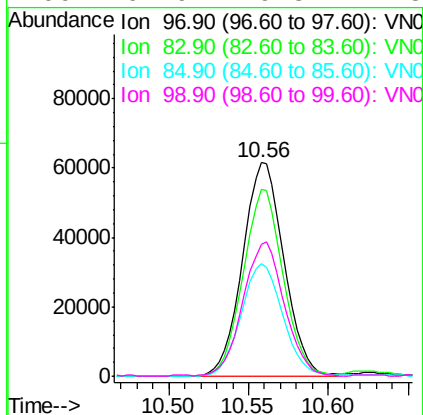
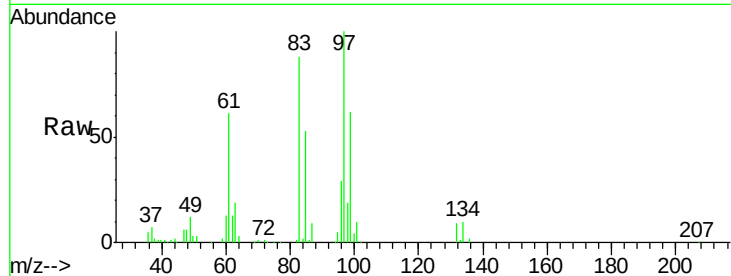
#55
 1,1,2-Trichloroethane
 Concen: 20.159 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion:	97	Resp:	108705
Ion	Ratio	Lower	Upper
97	100		
83	87.7	73.7	110.5
85	52.5	46.8	70.2
99	61.9	49.8	74.8

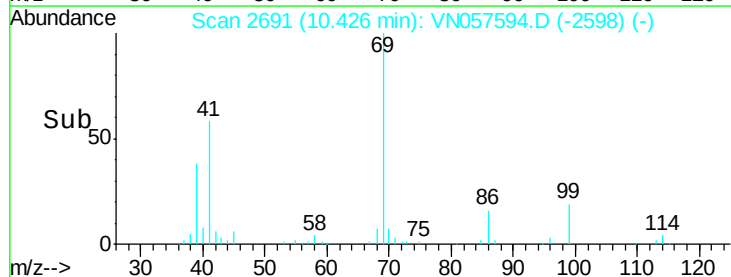
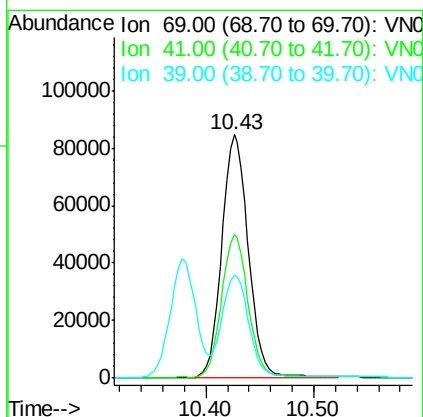
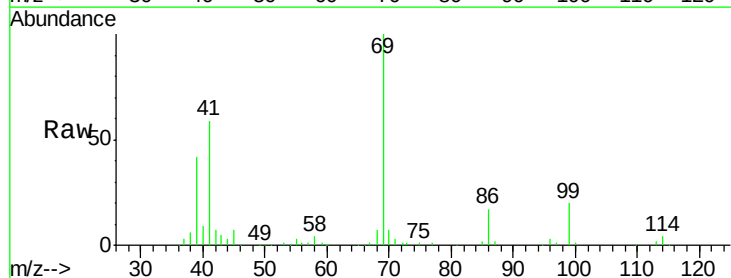
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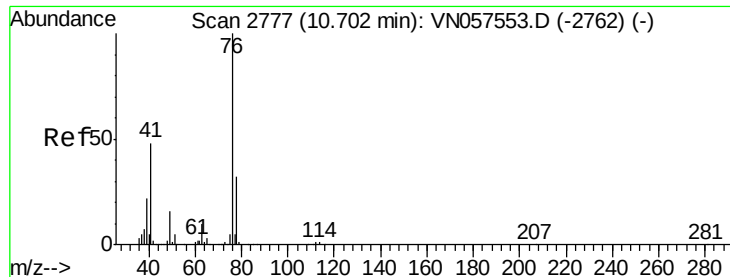
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#56
 Ethyl methacrylate
 Concen: 20.281 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion:	69	Resp:	145570
Ion	Ratio	Lower	Upper
69	100		
41	57.5	60.8	91.2#
39	41.7	36.5	54.7





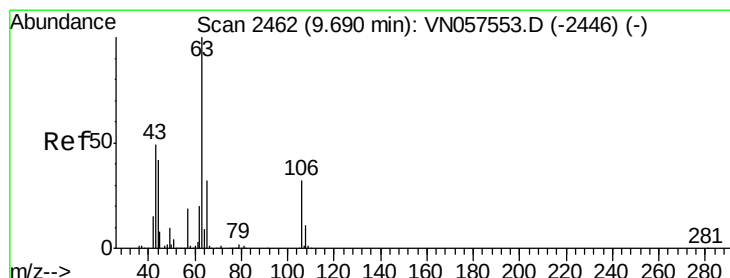
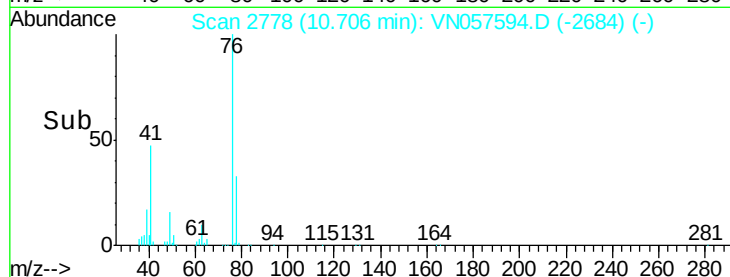
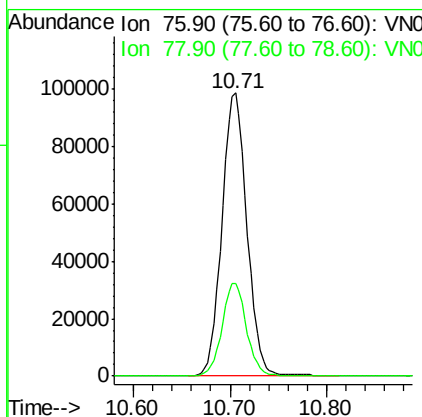
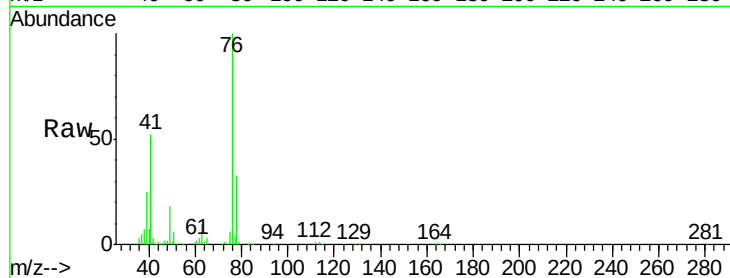
#57
 1,3-Dichloropropane
 Concen: 20.579 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

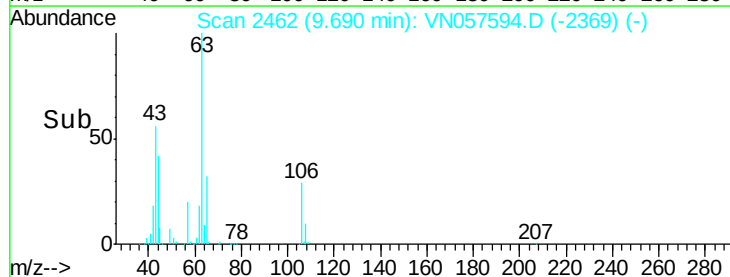
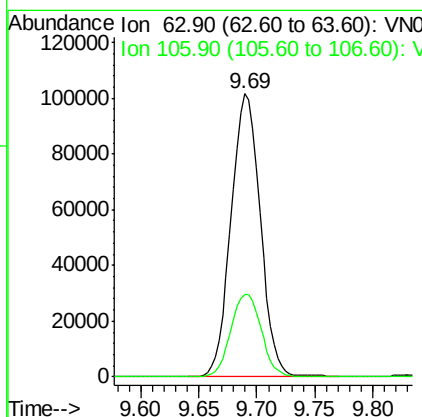
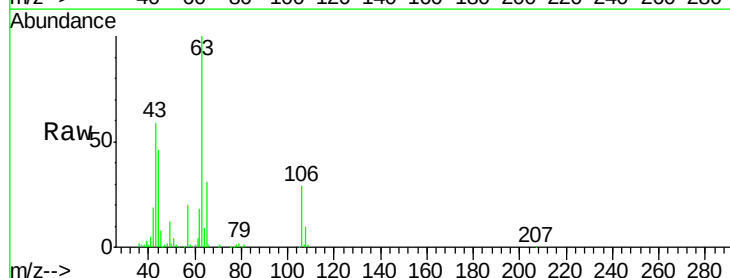
Manual Integrations
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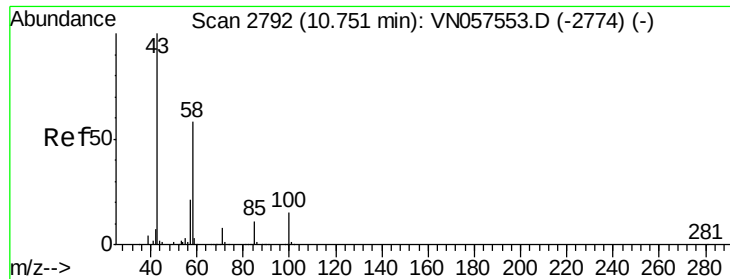
MMDadoda
 8/31/2019 11:28:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.869 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	18.6	27.8#





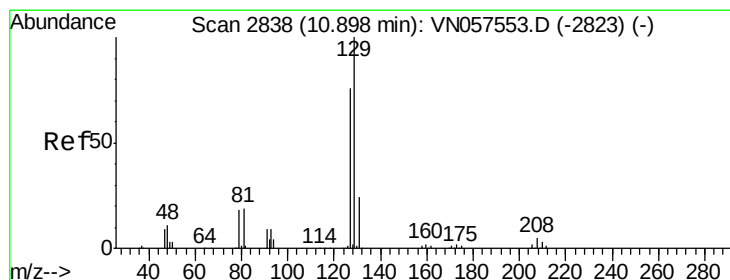
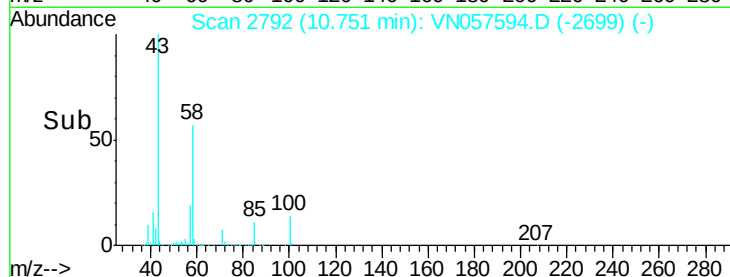
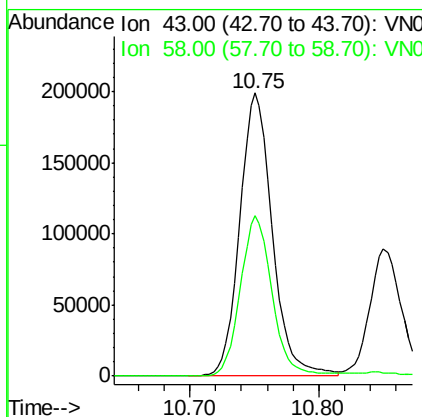
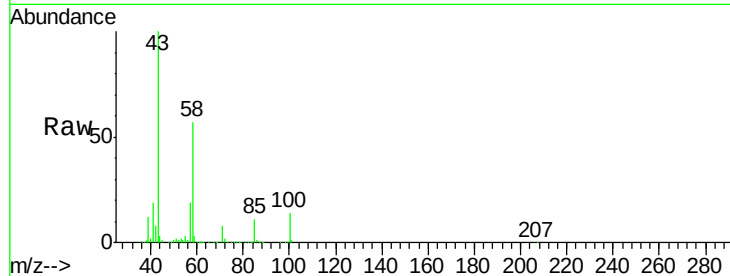
#59
2-Hexanone
Concen: 107.942 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion: 43 Resp: 348098
Ion Ratio Lower Upper
43 100
58 55.6 24.6 73.6

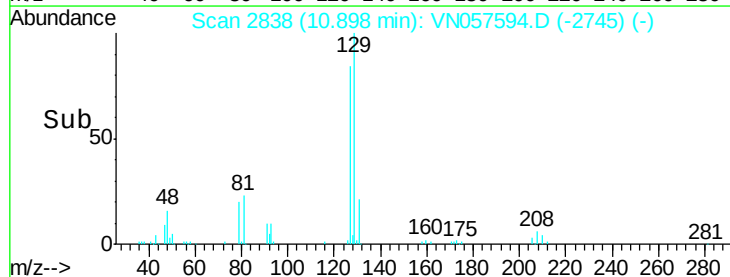
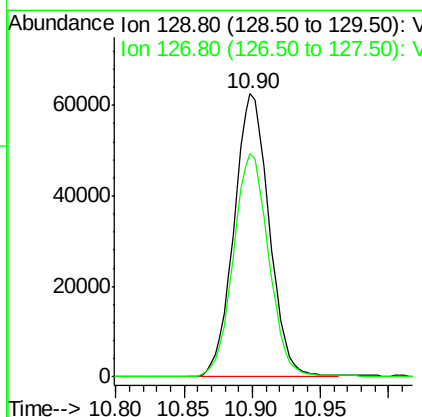
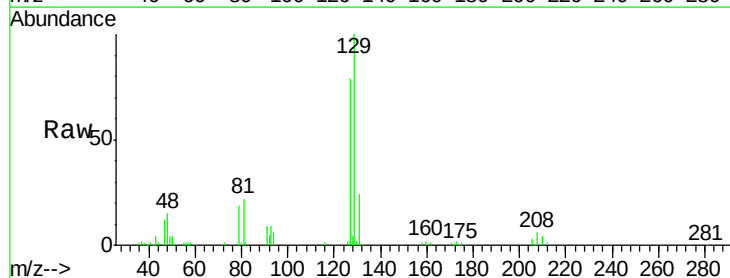
Manual Integrations
APPROVED

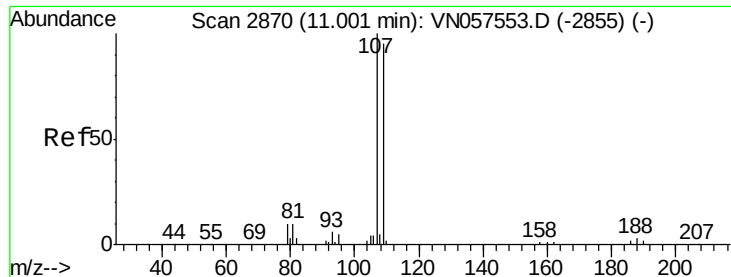
MMDadoda
8/31/2019 11:28:49 AM



#60
Dibromochloromethane
Concen: 18.212 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion: 129 Resp: 112023
Ion Ratio Lower Upper
129 100
127 79.3 39.0 116.9





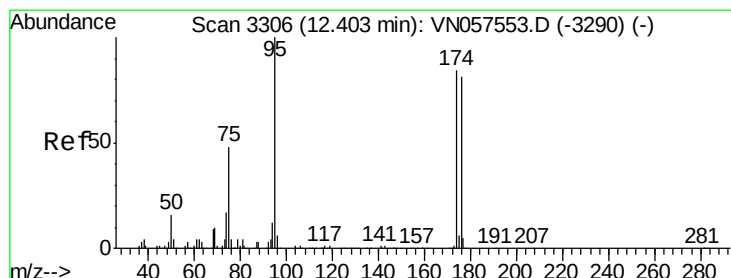
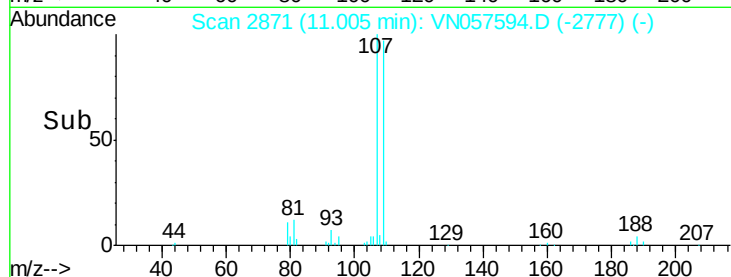
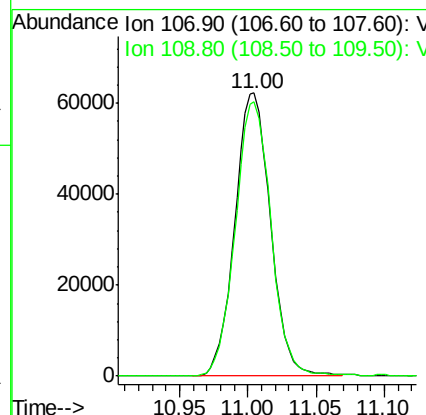
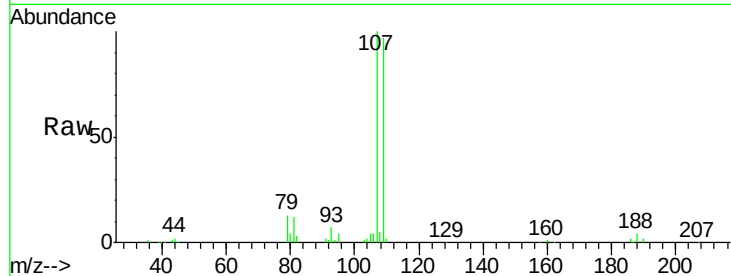
#61
 1,2-Dibromoethane
 Concen: 20.037 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	113068		
109	97.4	73.8	110.8	

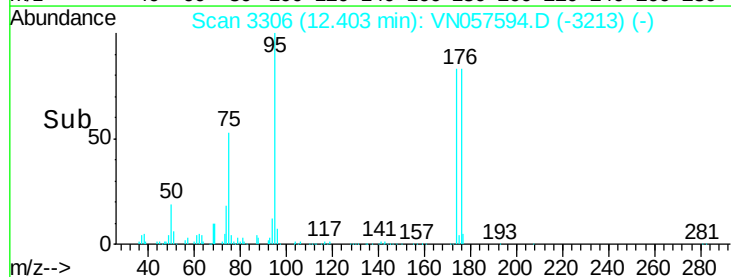
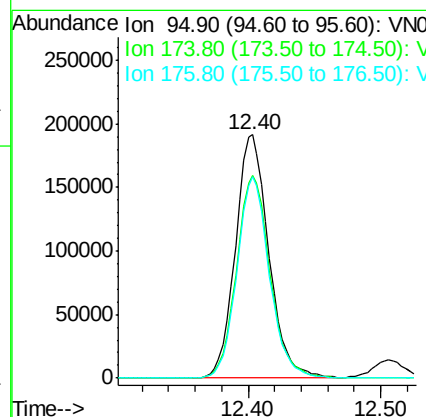
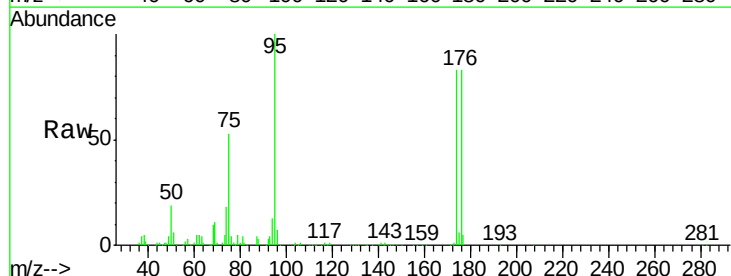
Manual Integrations
 APPROVED

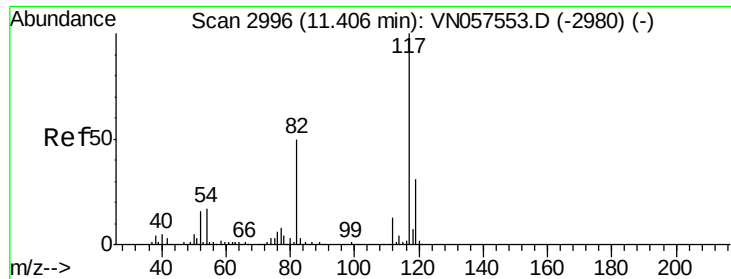
MMDadoda
 8/31/2019 11:28:49 AM



#62
 4-Bromofluorobenzene
 Concen: 48.227 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	334353		
174	83.8	0.0	133.0	
176	80.4	0.0	130.8	





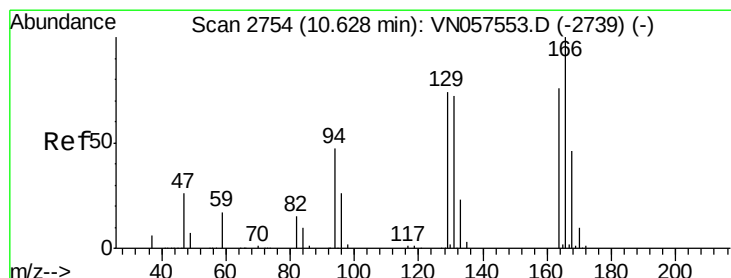
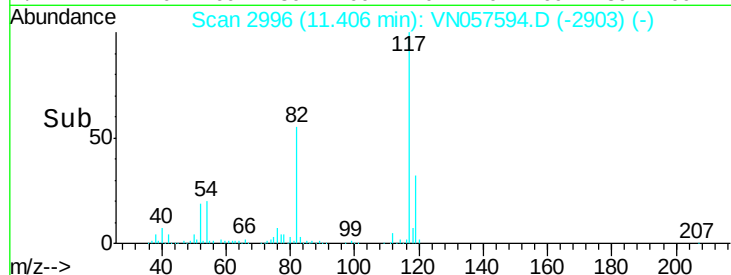
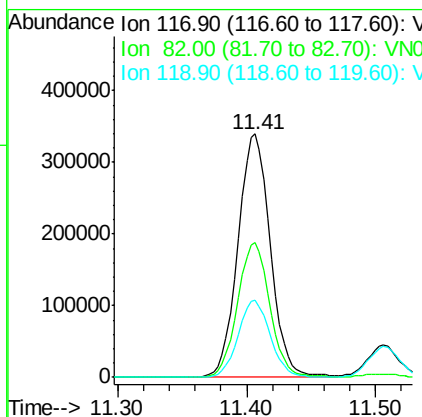
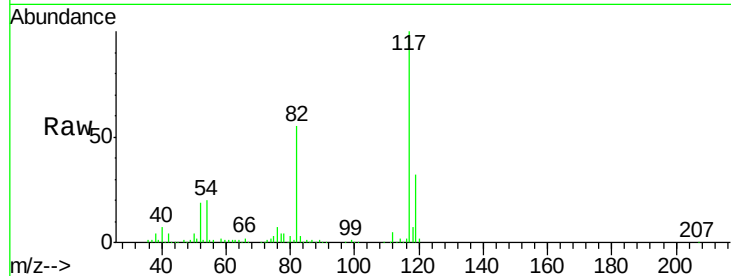
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	593153		
82	55.4		50.6	75.8
119	31.5		24.6	36.8

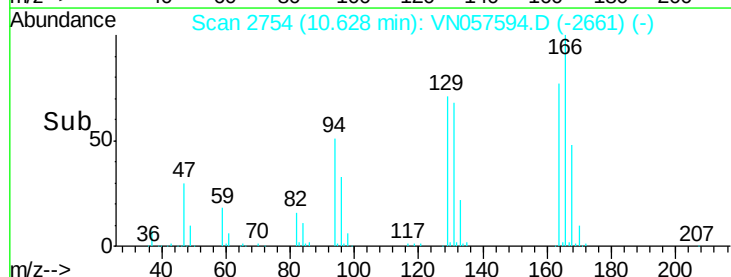
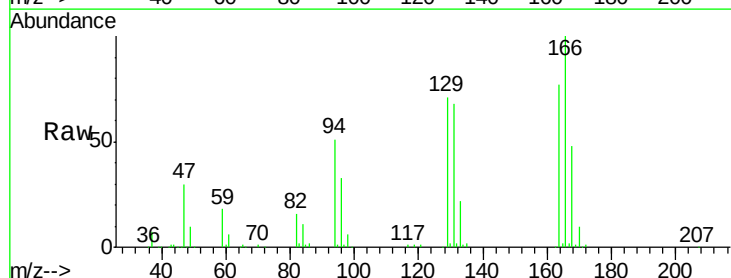
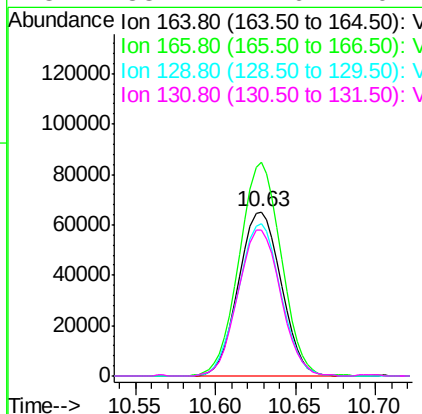
Manual Integrations
APPROVED

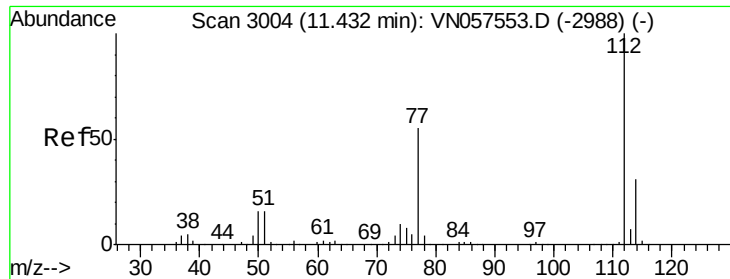
MMDadoda
8/31/2019 11:28:49 AM



#64
Tetrachloroethene
Concen: 19.503 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118813		
166	129.9		104.4	156.6
129	92.8		86.6	130.0
131	88.4		77.6	116.4





#65

Chlorobenzene

Concen: 20.299 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion:112 Resp: 302222

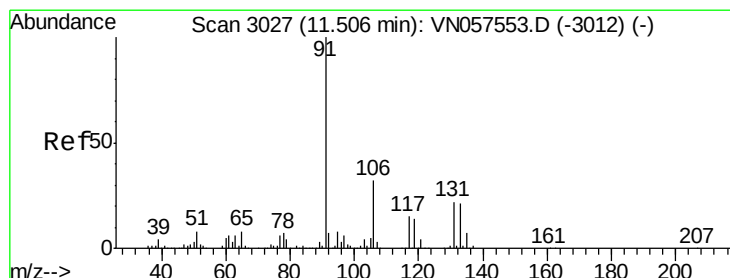
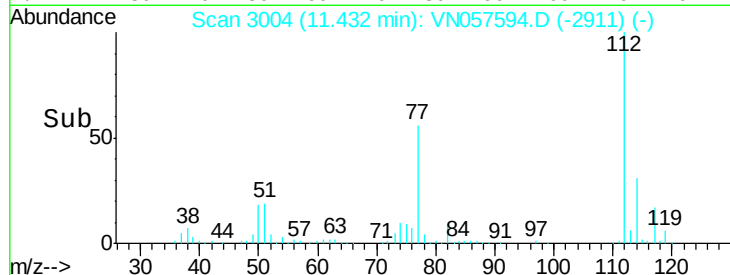
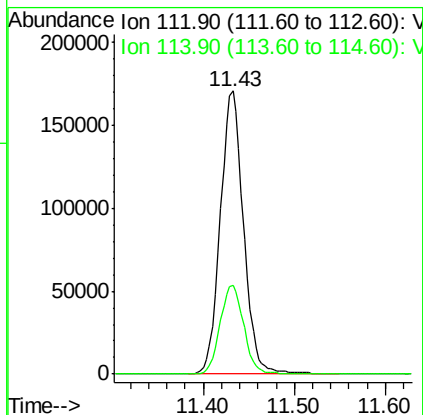
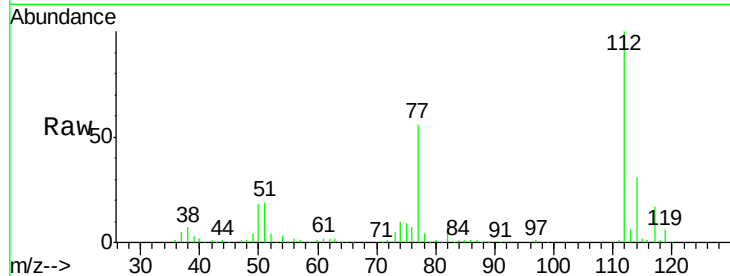
Ion Ratio Lower Upper

112 100

114 31.4 24.8 37.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.284 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

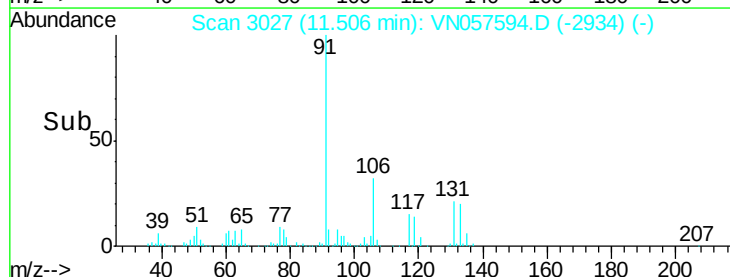
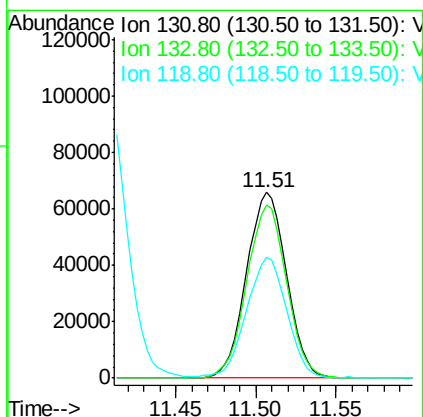
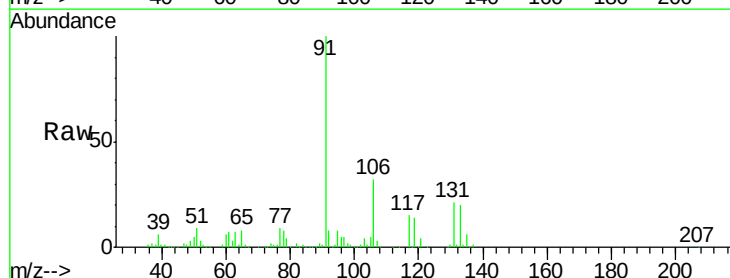
Tgt Ion:131 Resp: 113226

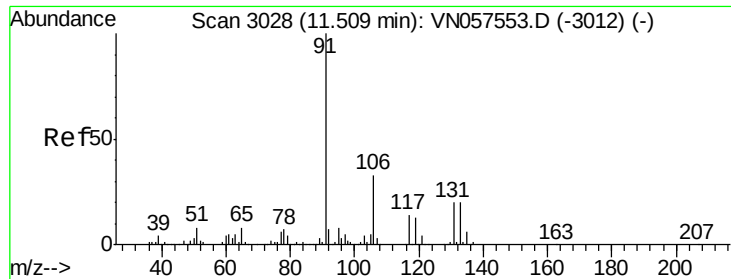
Ion Ratio Lower Upper

131 100

133 92.7 47.6 142.8

119 64.2 34.4 103.2





#67

Ethyl Benzene

Concen: 20.730 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

Tot Ion: 91 Resp: 541983

Ion Ratio Lower Upper

91 100

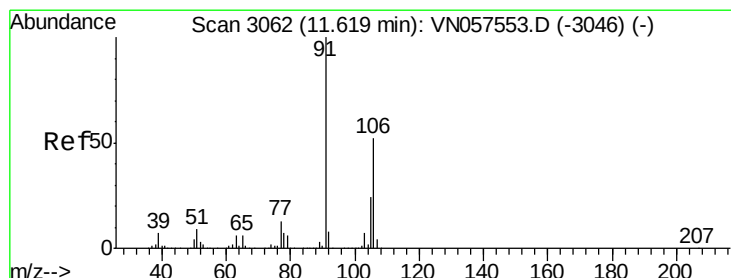
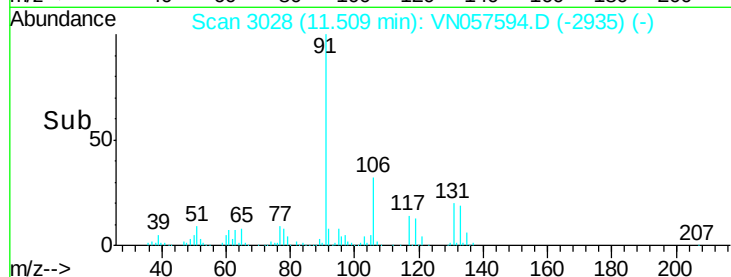
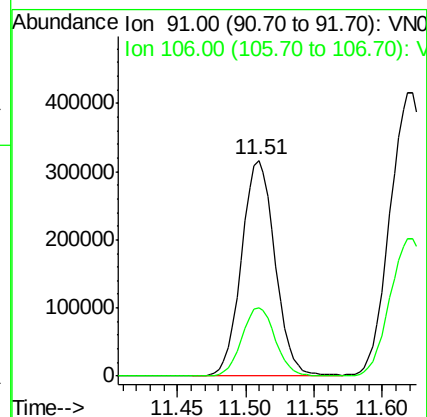
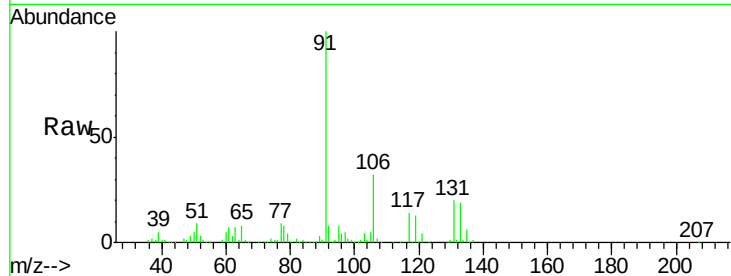
106 31.8 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.808 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057594.D

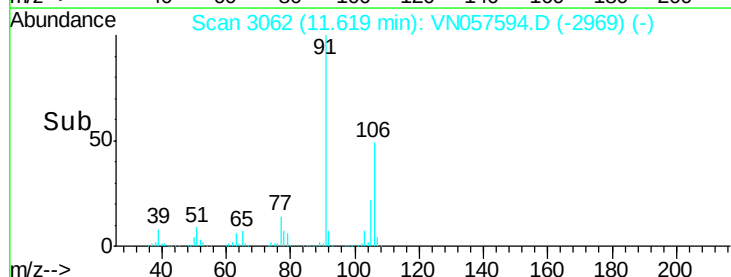
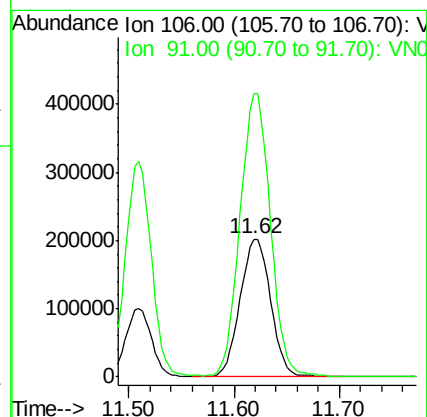
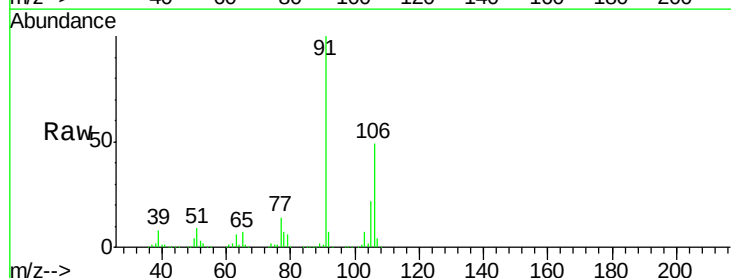
Acq: 30 Aug 2019 17:56

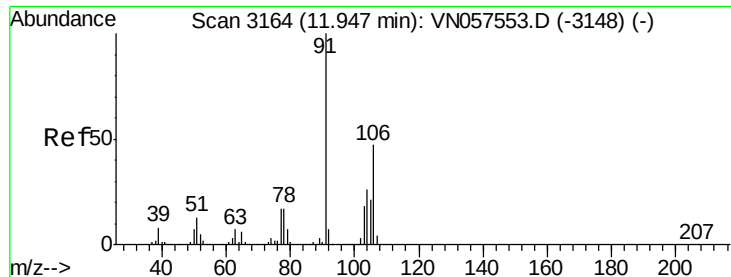
Tgt Ion: 106 Resp: 406355

Ion Ratio Lower Upper

106 100

91 205.2 171.8 257.6





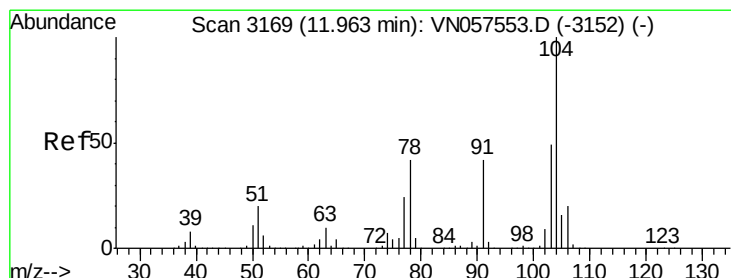
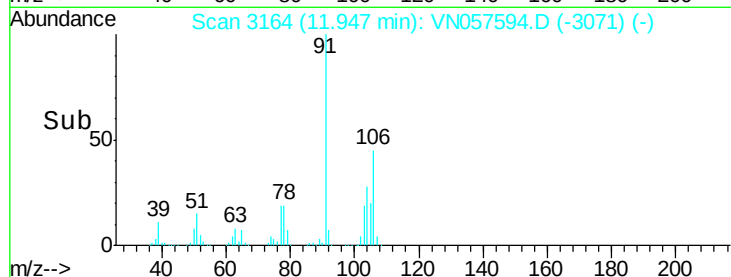
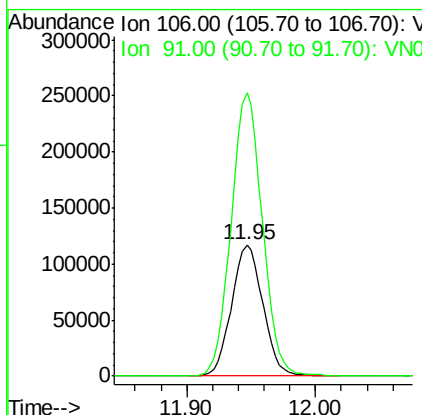
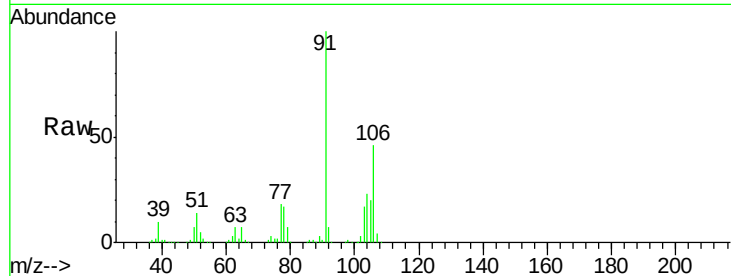
#69
o-Xylene
Concen: 19.789 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	197884		
91	91	215.2	112.3	336.9	

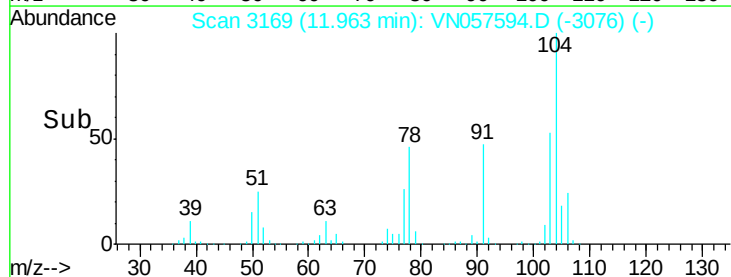
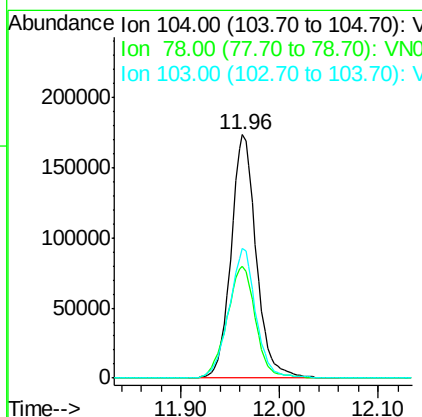
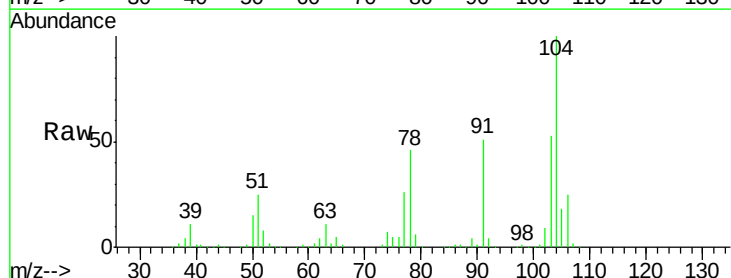
Manual Integrations
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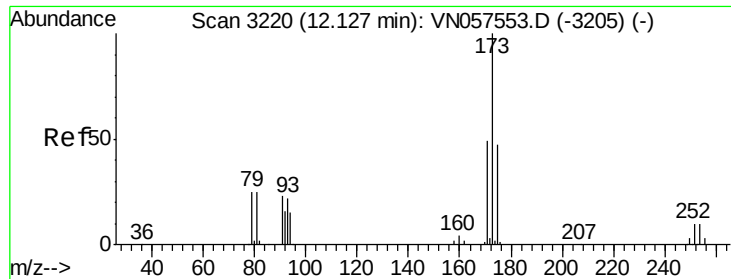
MMDadoda
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#70
Styrene
Concen: 20.511 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	309589		
78	78	52.2	44.7	67.1	
103	103	56.6	44.4	66.6	





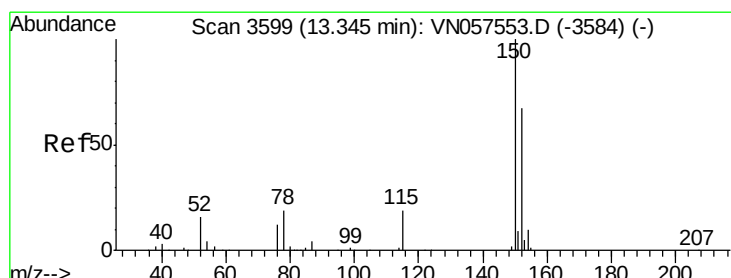
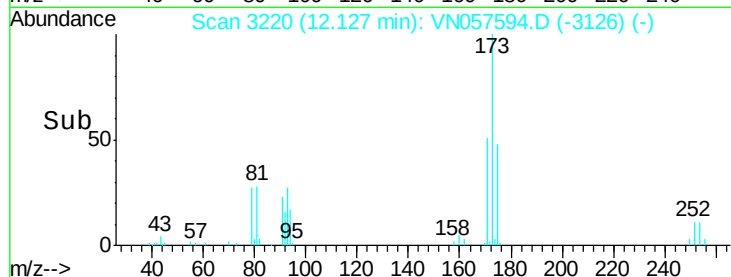
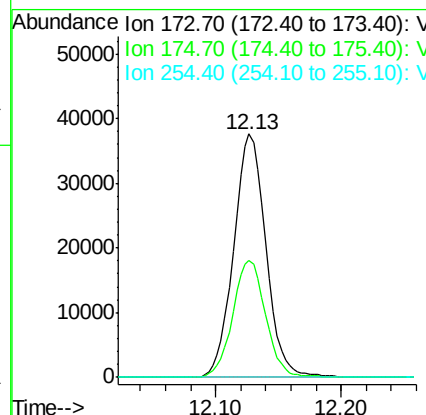
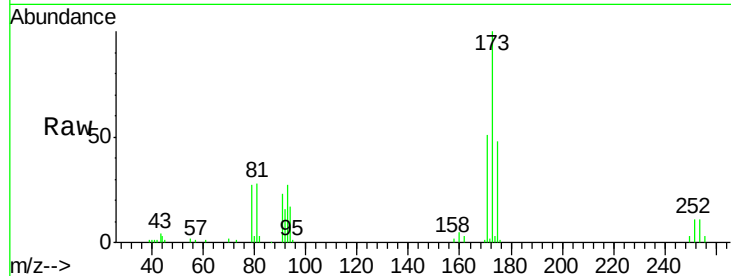
#71
Bromoform
Concen: 17.112 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.9	71.8
254	0.0	0.1	0.1#

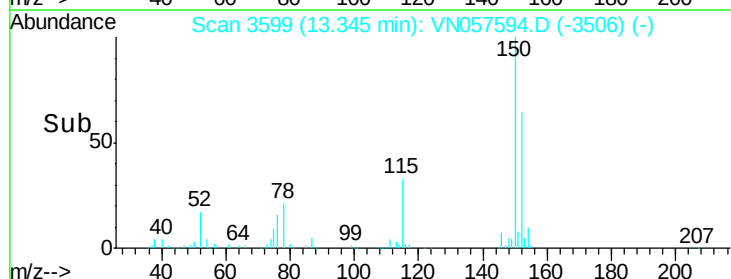
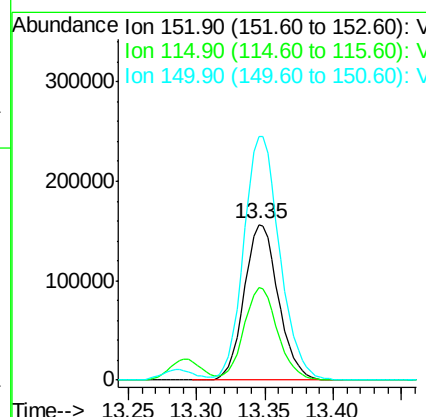
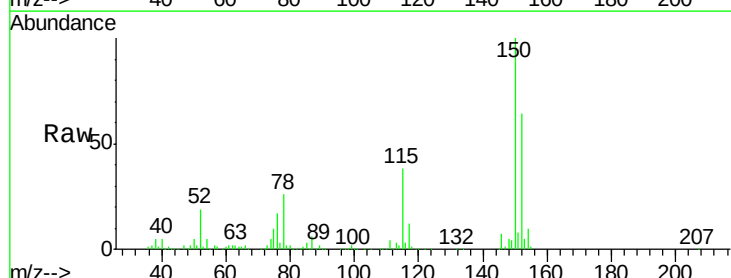
Manual Integrations
APPROVED

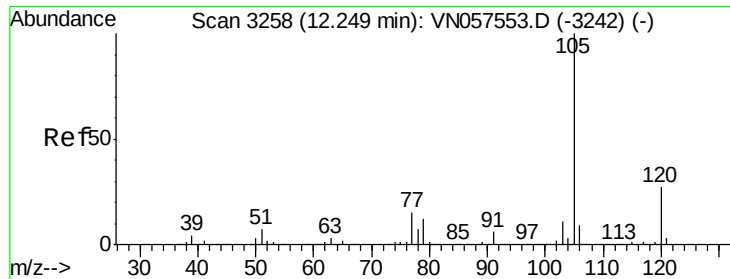
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	32.0	96.0
150	165.4	0.0	346.6





#73

Isopropylbenzene

Concen: 18.569 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion:105 Resp: 537028

Ion Ratio Lower Upper

105 100

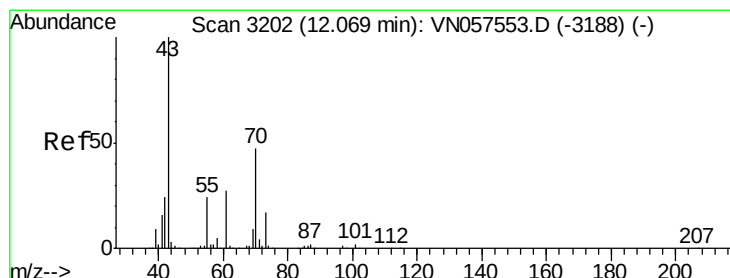
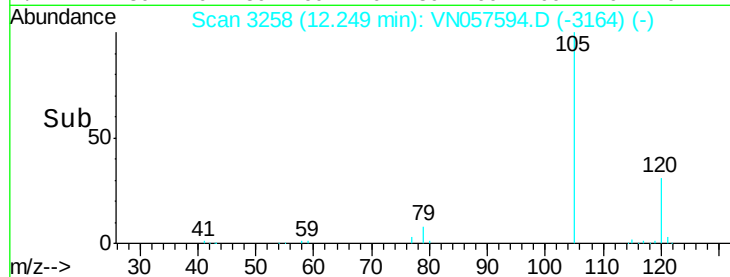
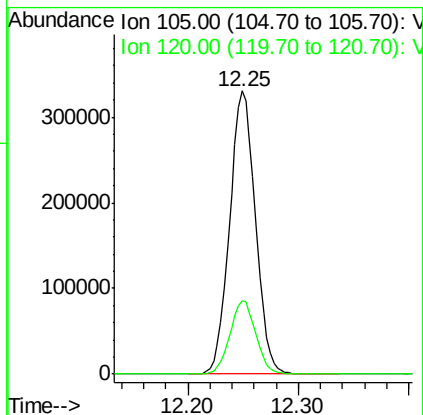
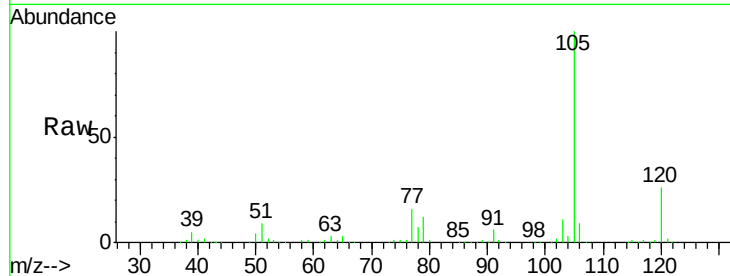
120 26.0 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.307 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Tgt Ion: 43 Resp: 146429

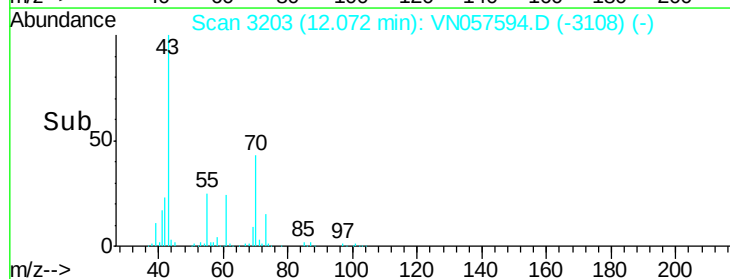
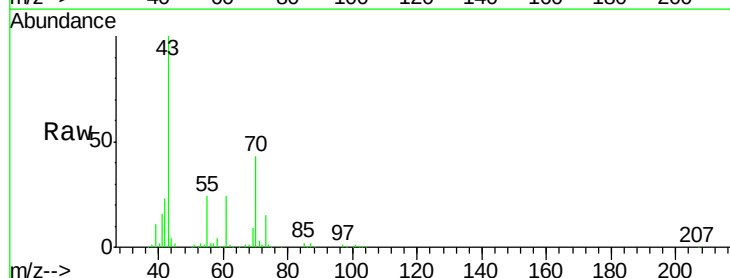
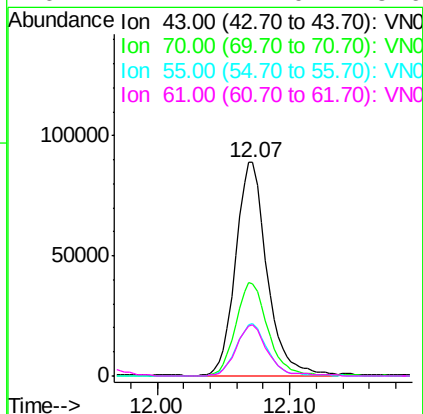
Ion Ratio Lower Upper

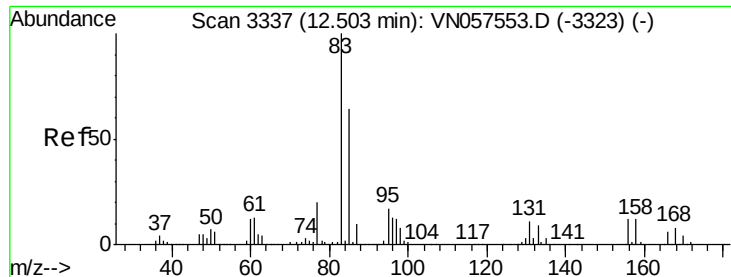
43 100

70 44.7 27.8 41.6#

55 24.0 17.0 25.4

61 24.1 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.426 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

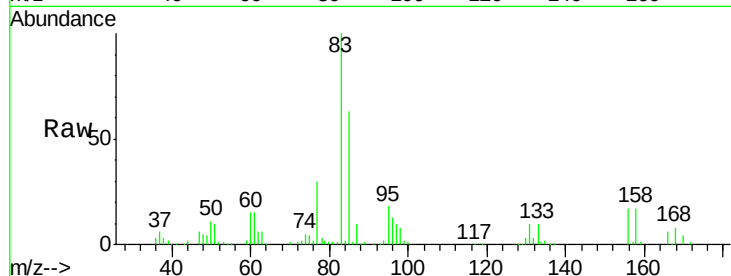
ClientSampled :

VN0831WBSD01

Tot Ion:	83	Resp:	132429
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.3	13.1
85	63.3	32.3	96.8

Manual Integrations
APPROVED

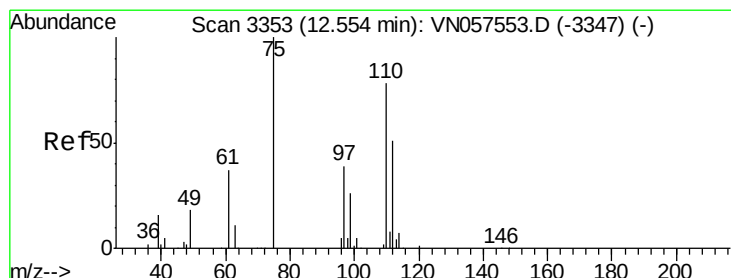
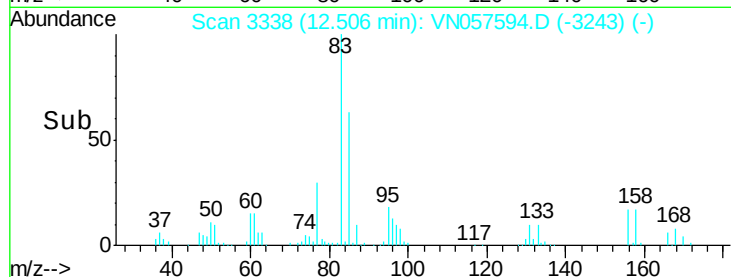
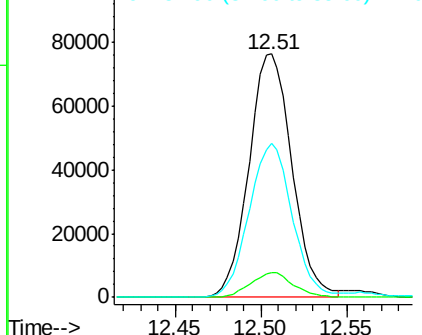
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Abundance Ion 82.90 (82.60 to 83.60): VN057594.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN057594.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN057594.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 22.365 ug/l m

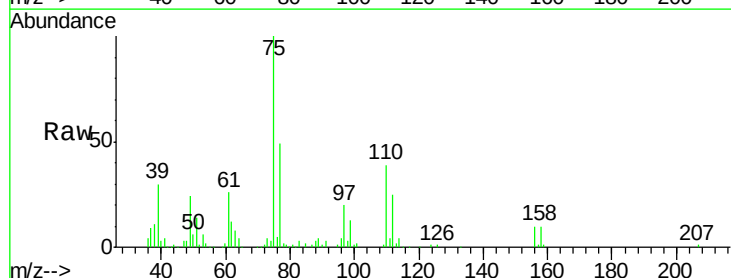
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057594.D

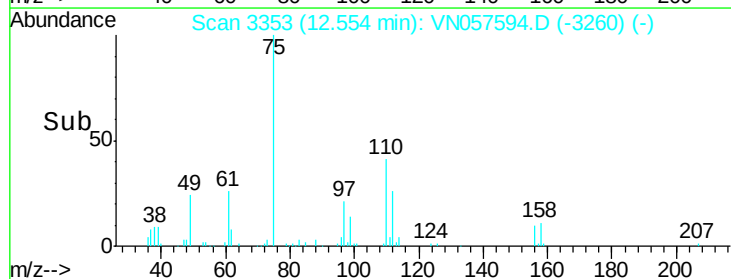
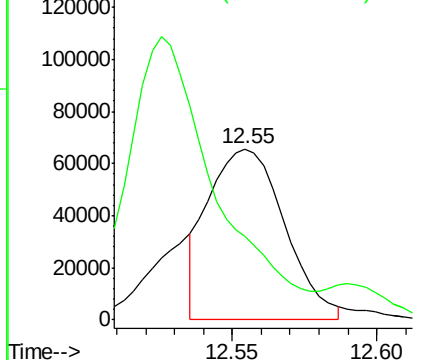
Acq: 30 Aug 2019 17:56

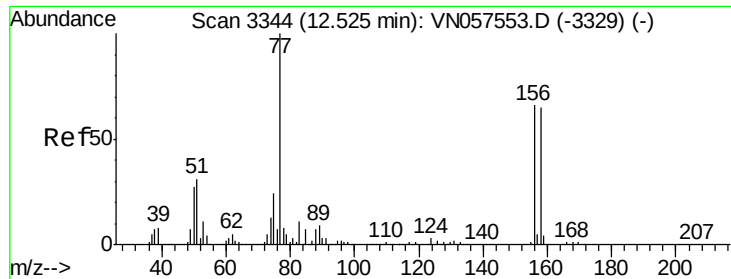
Tgt Ion:	75	Resp:	120905
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057594.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN057594.D (-3260) (-)





#77

Bromobenzene

Concen: 17.713 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

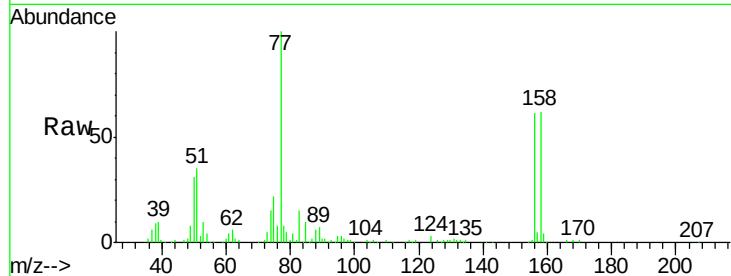
ClientSampleId :

VN0831WBSD01

Tot Ion:	156	Resp:	118765
Ion Ratio	Lower	Upper	
156	100		
77	194.3	124.4	373.3
158	102.4	48.3	144.8

Manual Integrations
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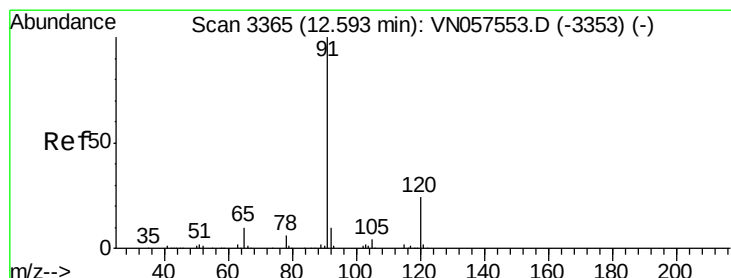
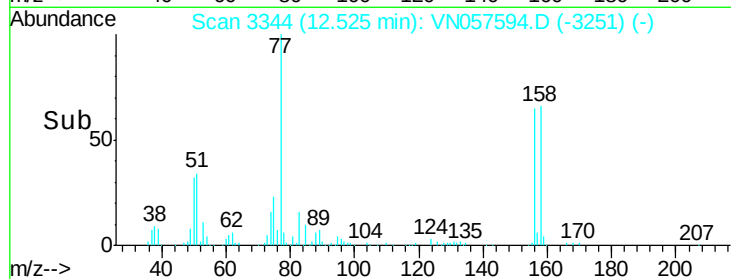
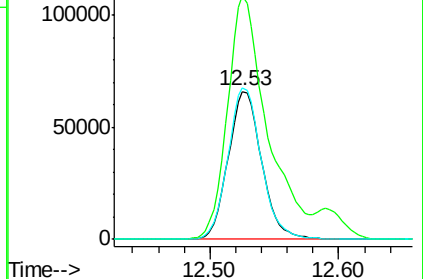
MMDadoda
8/31/2019 11:28:49 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.367 ug/l

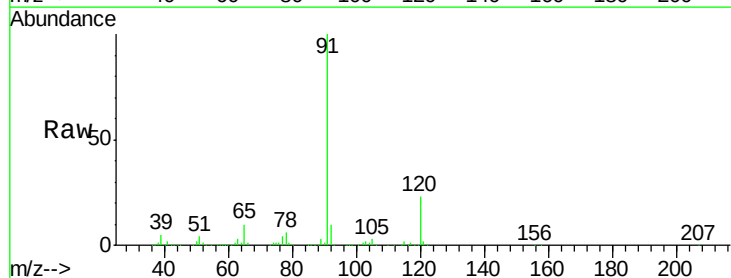
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057594.D

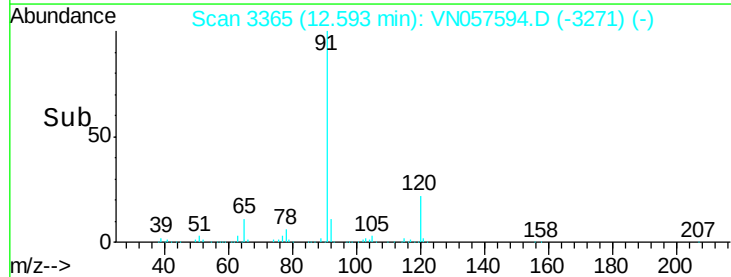
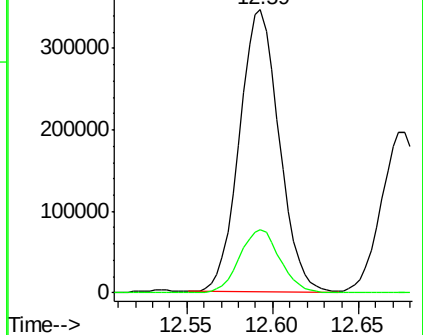
Acq: 30 Aug 2019 17:56

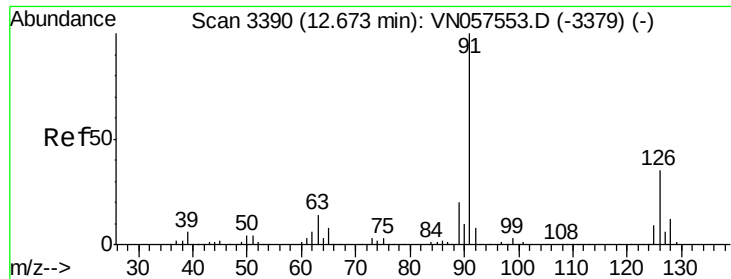
Tgt Ion:	91	Resp:	556469
Ion Ratio	Lower	Upper	
91	100		
120	22.8	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.773 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion: 91 Resp: 335984

Ion Ratio Lower Upper

91 100

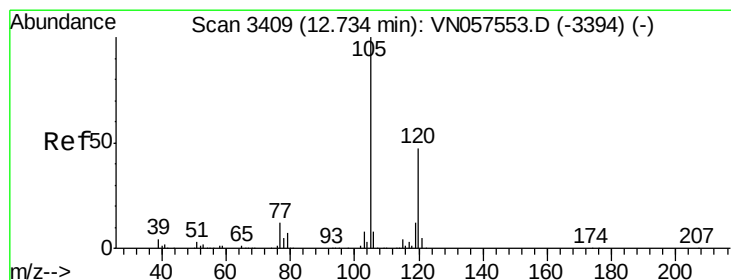
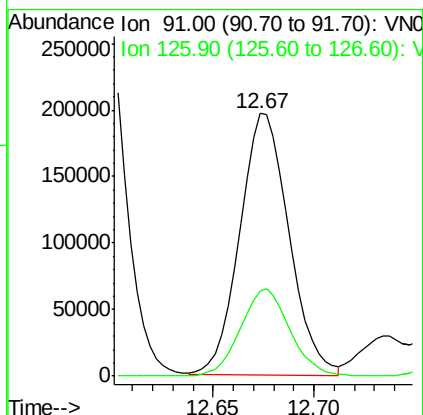
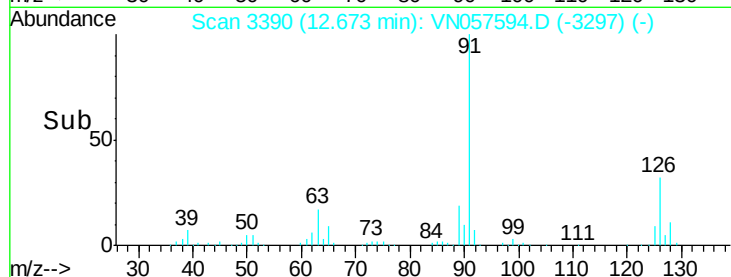
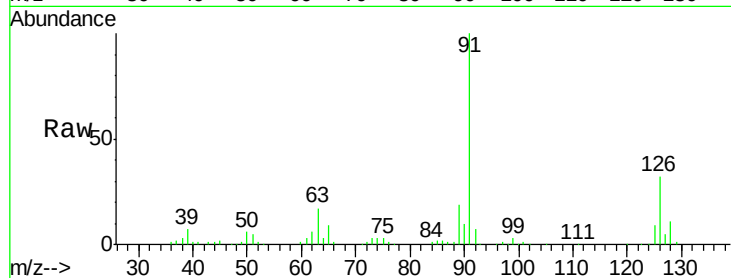
126 33.6 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.637 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057594.D

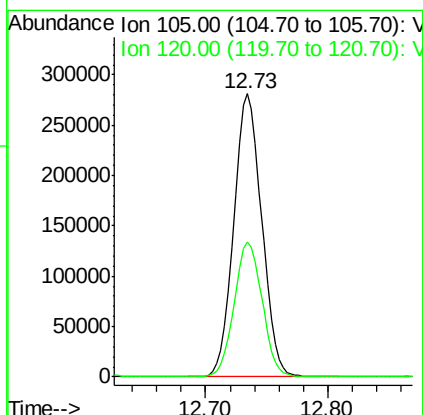
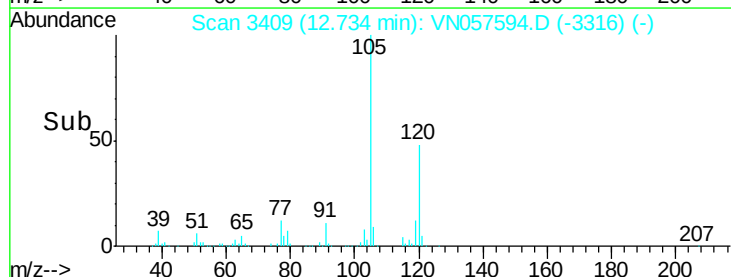
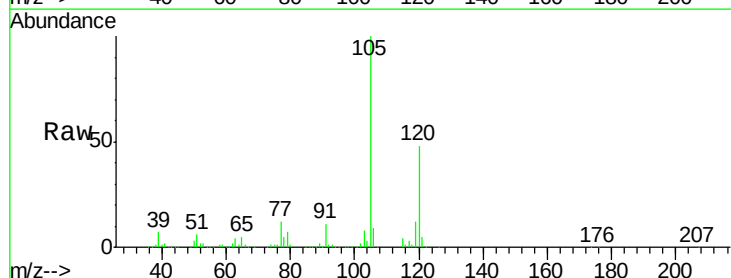
Acq: 30 Aug 2019 17:56

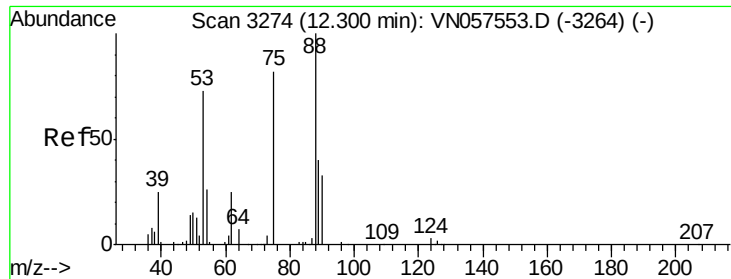
Tgt Ion: 105 Resp: 446936

Ion Ratio Lower Upper

105 100

120 47.6 23.3 69.8





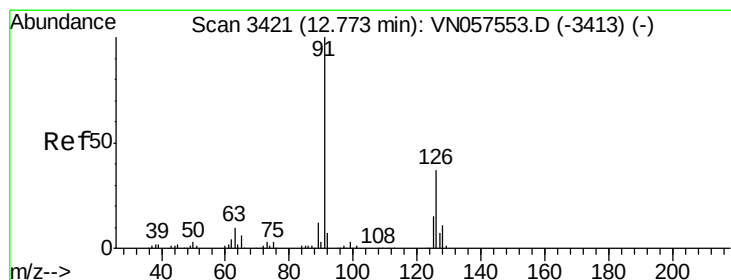
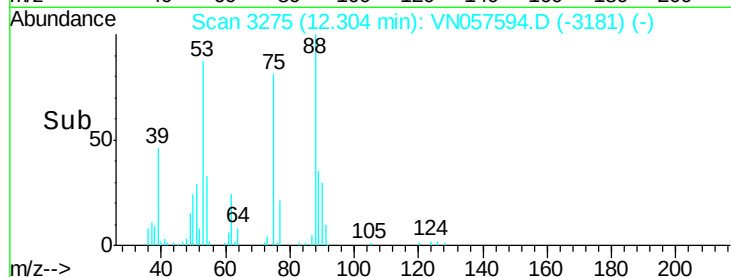
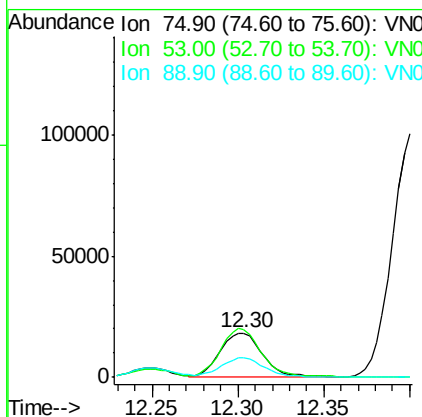
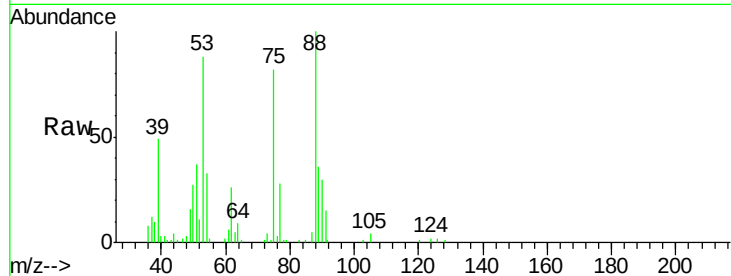
#81
trans-1,4-Dichloro-2-butene
Concen: 16.912 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.3	82.7	124.1
89	47.6	35.8	53.8

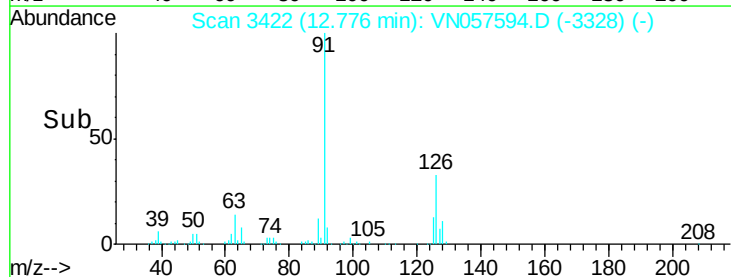
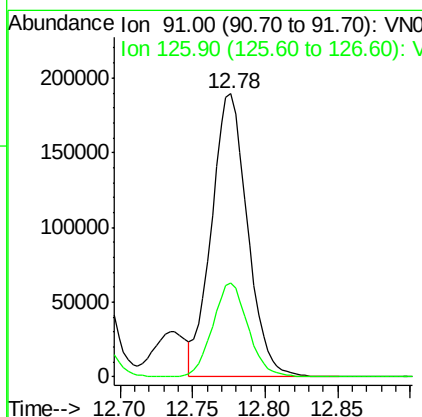
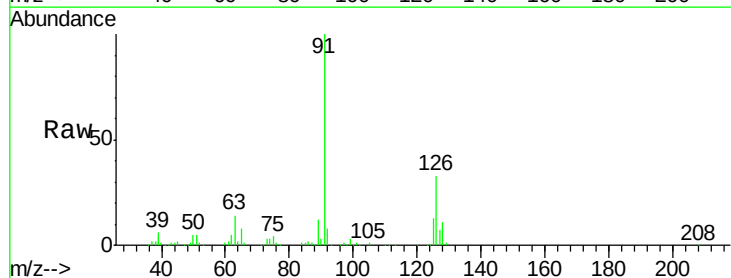
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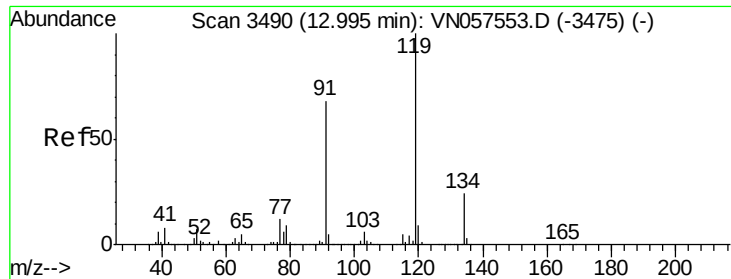
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#82
4-Chlorotoluene
Concen: 19.700 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	15.0	45.0





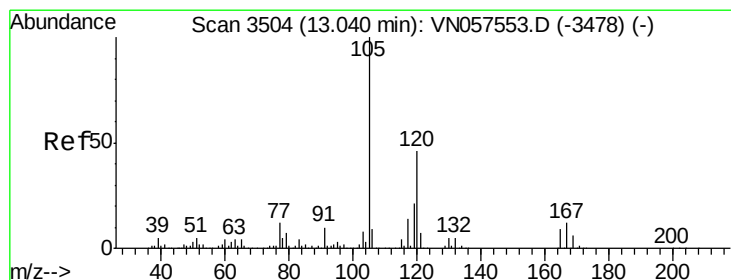
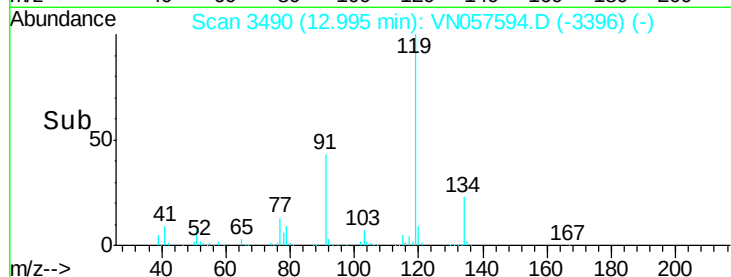
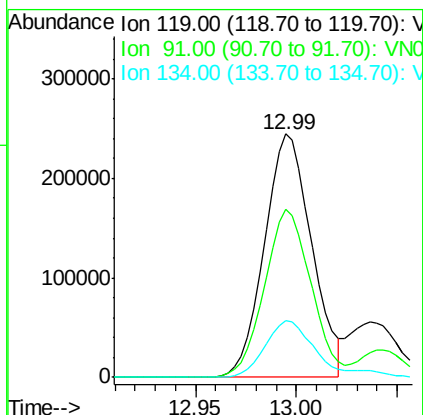
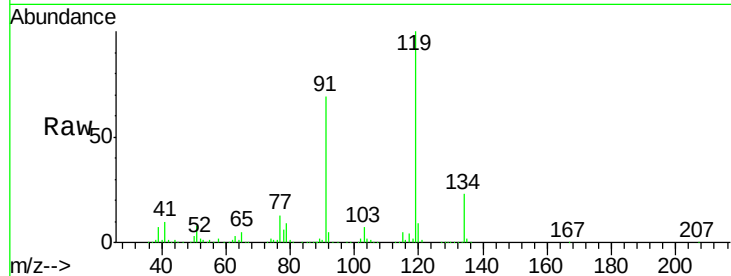
#83
 tert-Butylbenzene
 Concen: 20.948 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	397800		
91	67.9		37.0	111.0
134	23.8		12.2	36.6

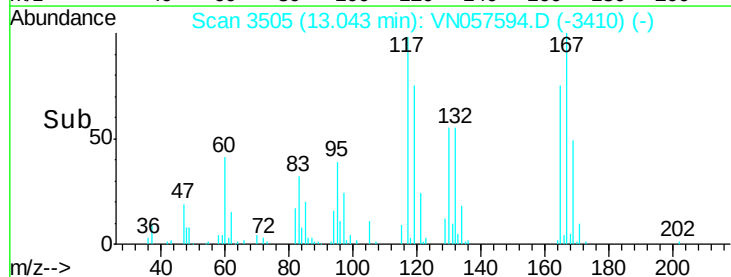
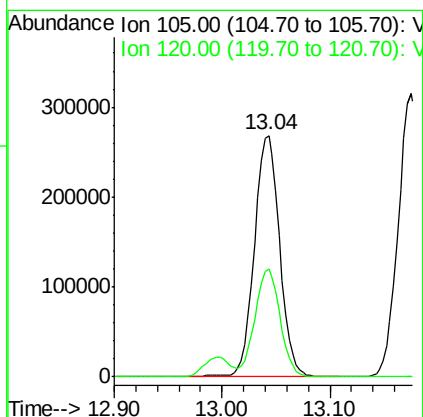
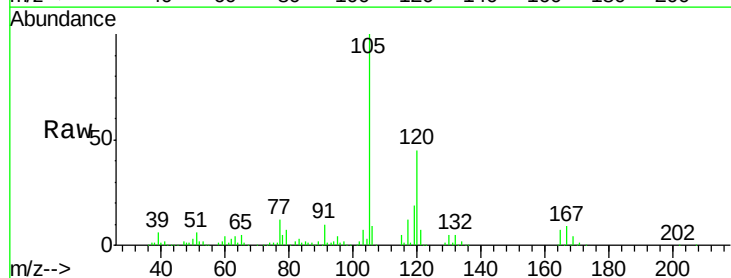
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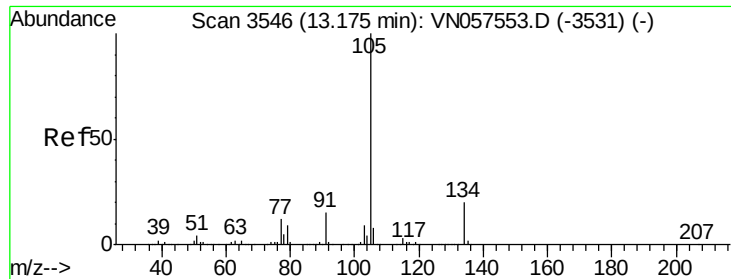
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.935 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	435794		
120	44.7		21.9	65.7





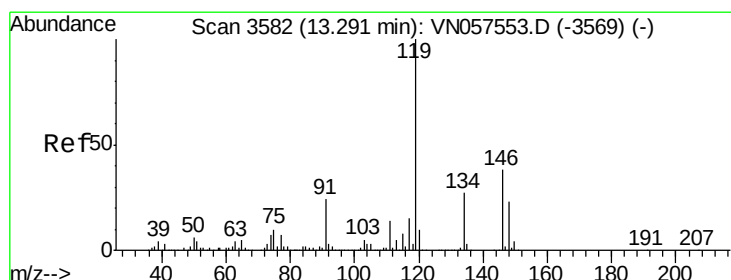
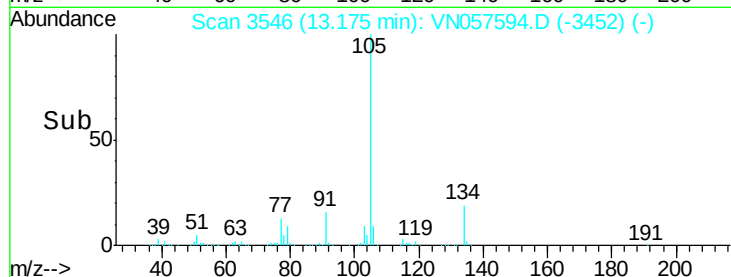
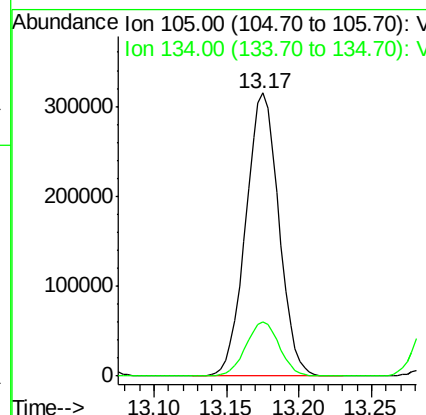
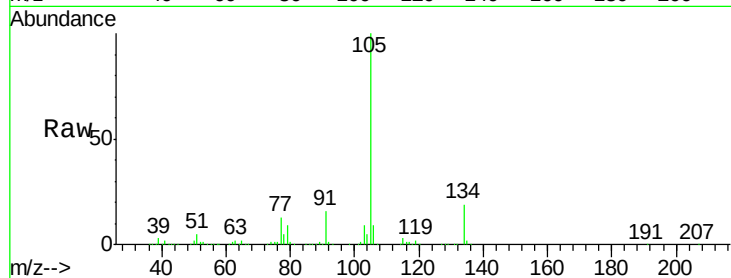
#85
 sec-Butylbenzene
 Concen: 19.962 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.3	27.9

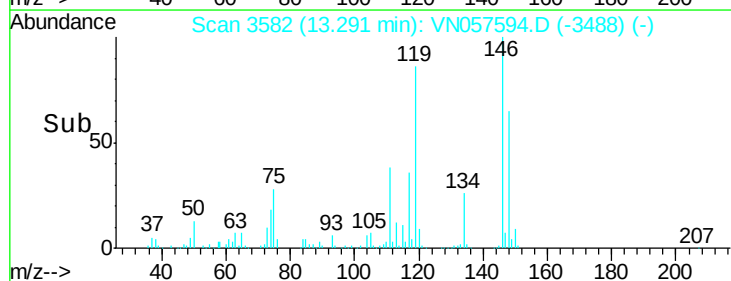
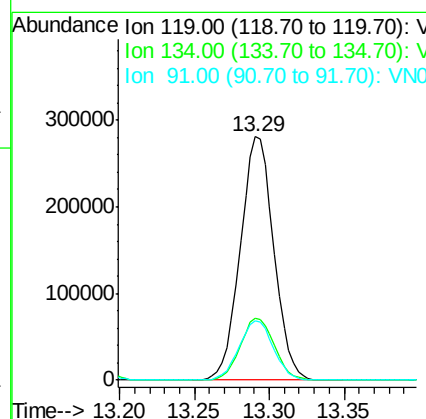
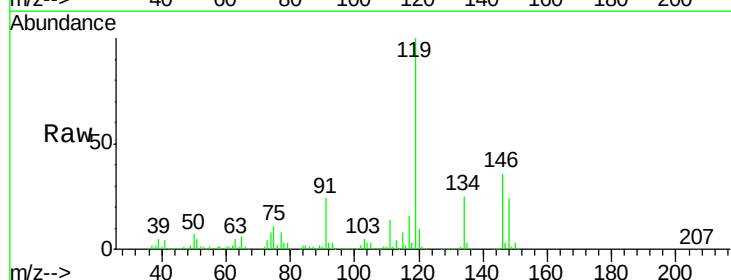
Manual Integrations
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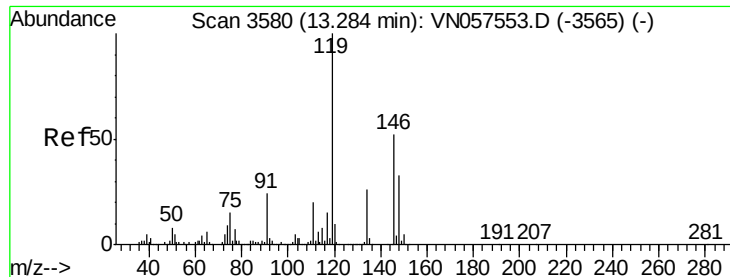
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 8/31/2019 11:28:49 AM



#86
 p-Isopropyltoluene
 Concen: 20.303 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.7	38.1
91	25.0	13.9	41.6





#87

1,3-Dichlorobenzene

Concen: 19.511 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Instrument :

MSVOA_N

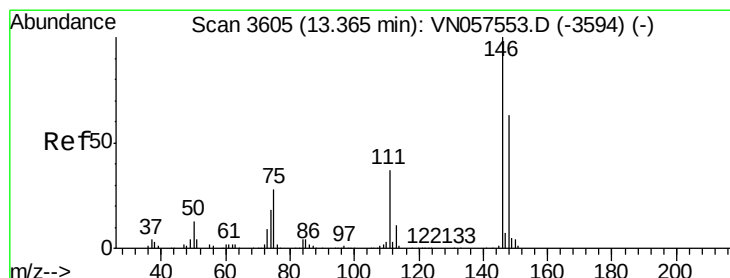
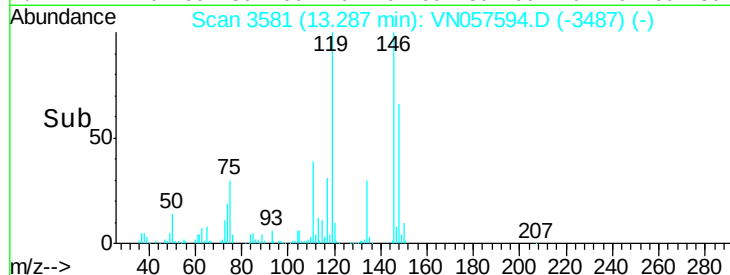
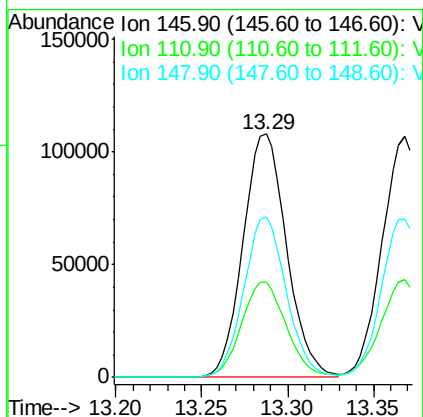
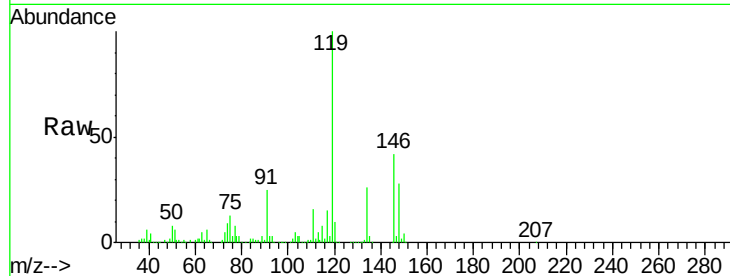
ClientSampled :

VN0831WBSD01

Tot Ion:	146	Resp:	189988
Ion Ratio	Lower	Upper	
146	100		
111	40.2	22.1	66.1
148	64.0	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.754 ug/l

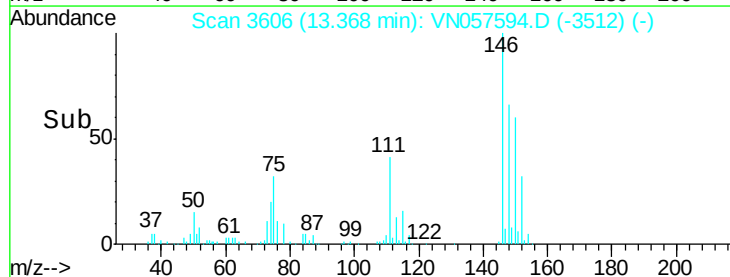
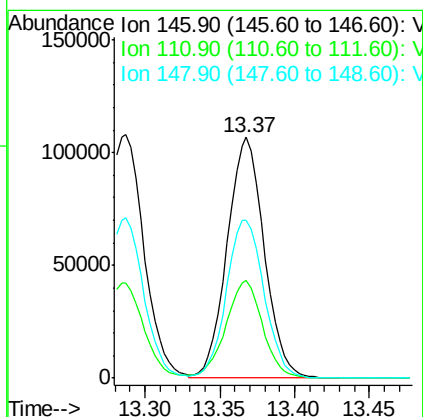
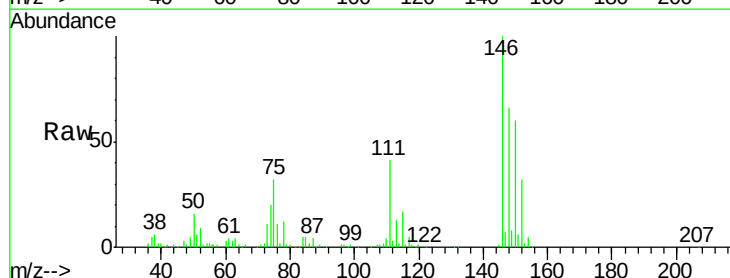
RT: 13.37 min Scan# 3606

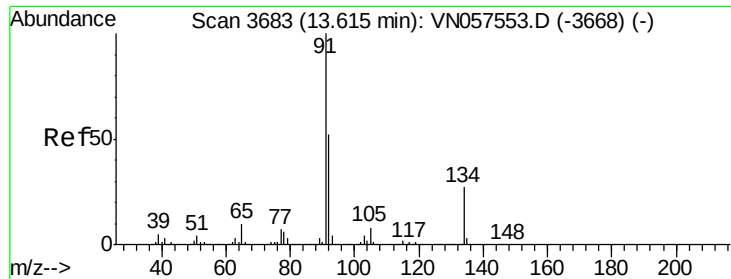
Delta R.T. 0.00 min

Lab File: VN057594.D

Acq: 30 Aug 2019 17:56

Tgt Ion:	146	Resp:	184459
Ion Ratio	Lower	Upper	
146	100		
111	40.4	21.9	65.5
148	67.0	31.1	93.2





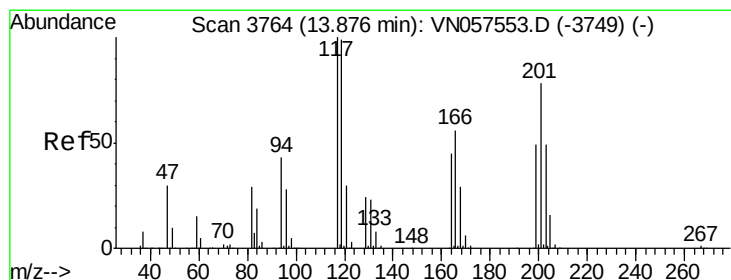
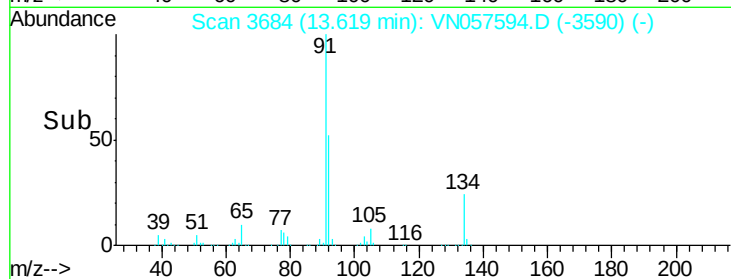
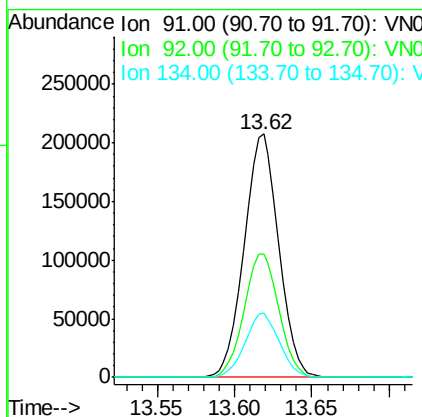
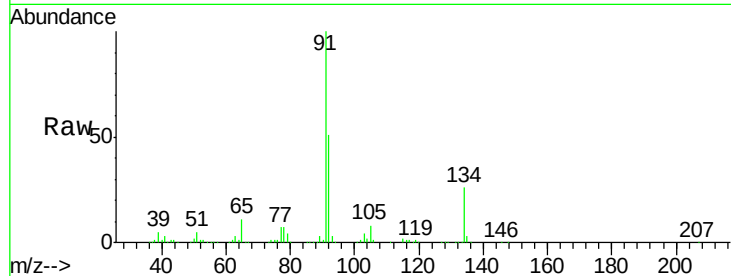
#89
n-Butylbenzene
Concen: 19.799 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.7	77.0
134	26.0	11.4	34.1

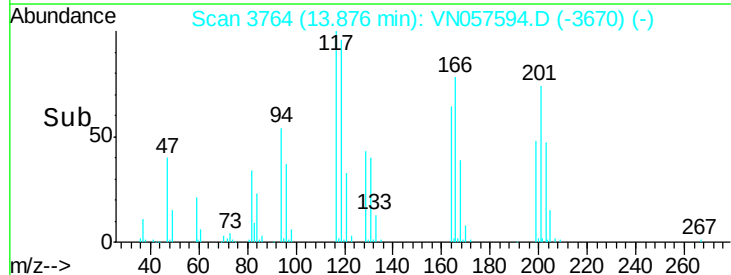
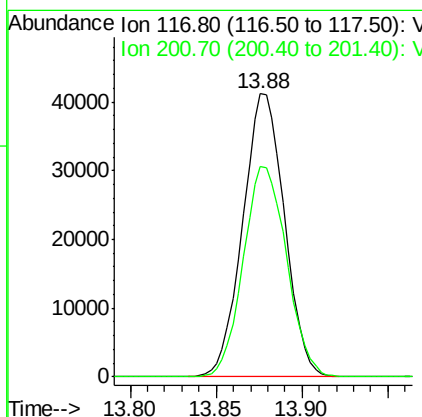
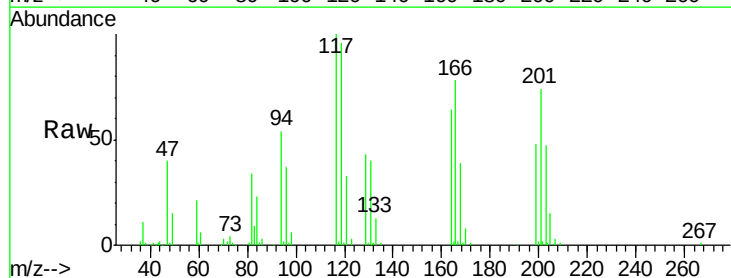
Manual Integrations
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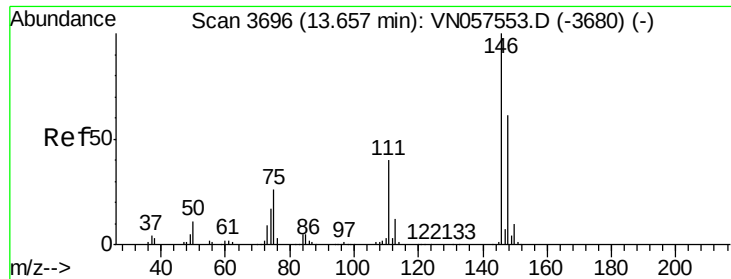
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#90
Hexachloroethane
Concen: 15.332 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	33.1	99.3





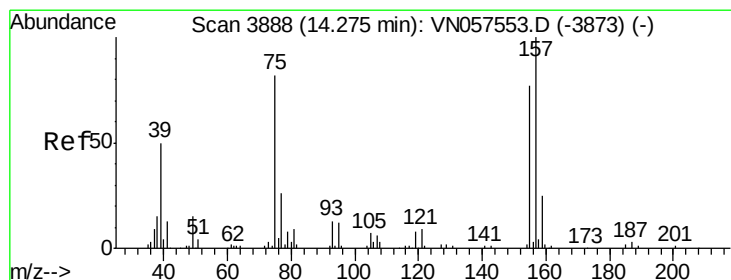
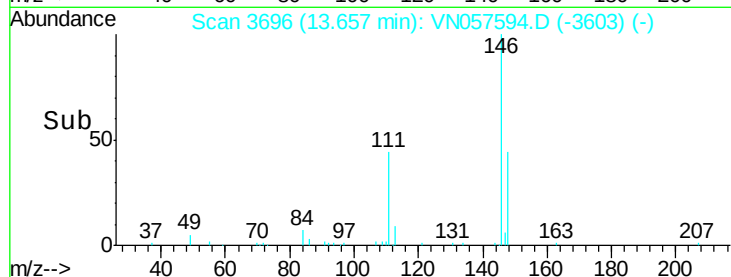
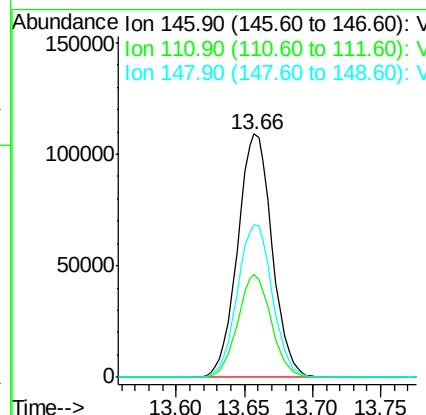
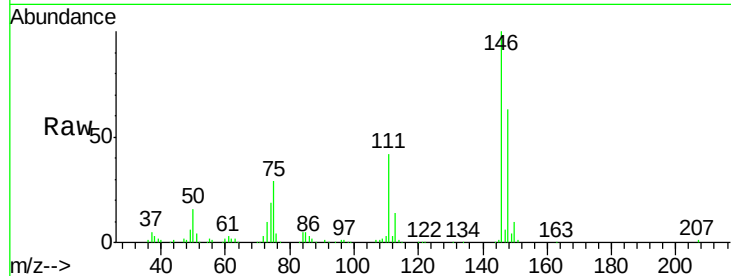
#91
 1,2-Dichlorobenzene
 Concen: 21.006 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	23.1	69.2
148	63.9	31.8	95.4

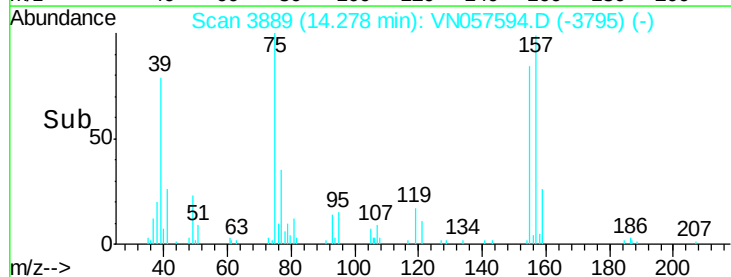
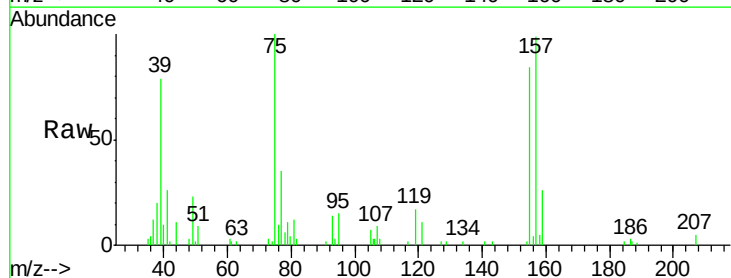
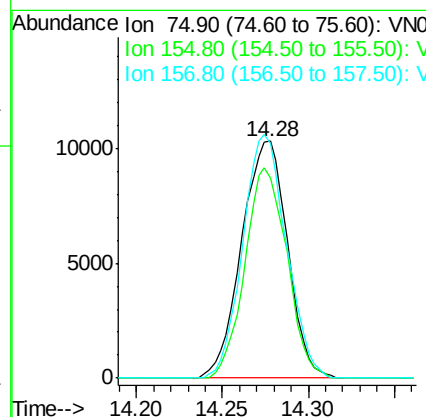
Manual Integrations
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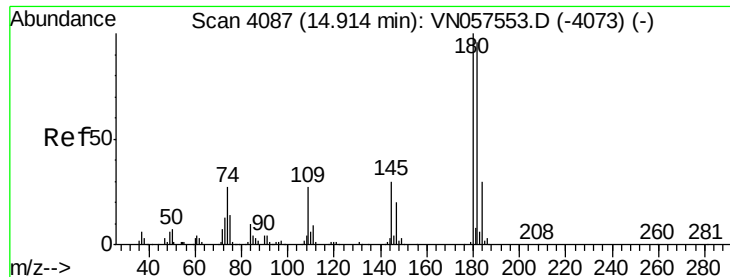
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 8/31/2019 11:28:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.728 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	31.6	94.7
157	97.7	43.3	129.8





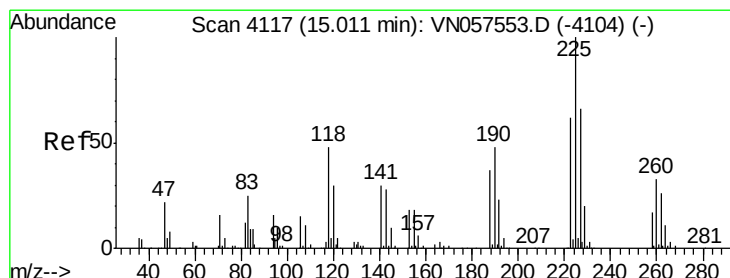
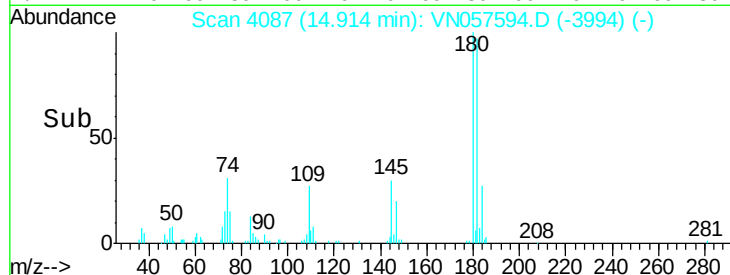
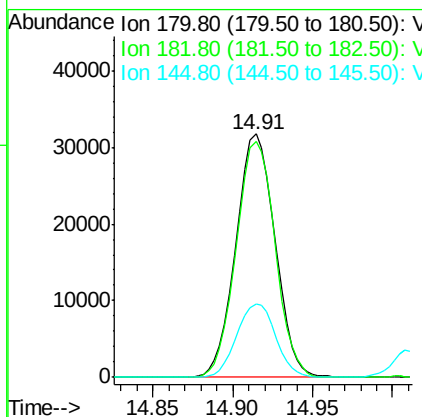
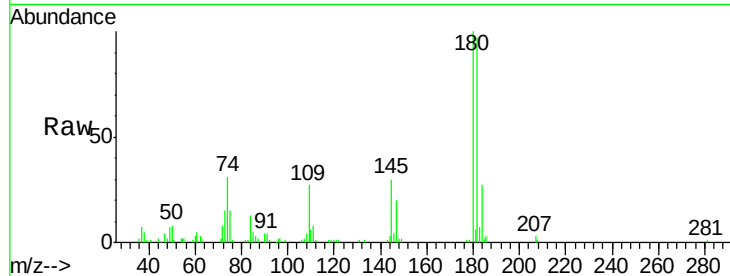
#93
 1,2,4-Trichlorobenzene
 Concen: 16.780 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	52996		
182	96.2		46.7	140.1
145	29.9		15.6	46.8

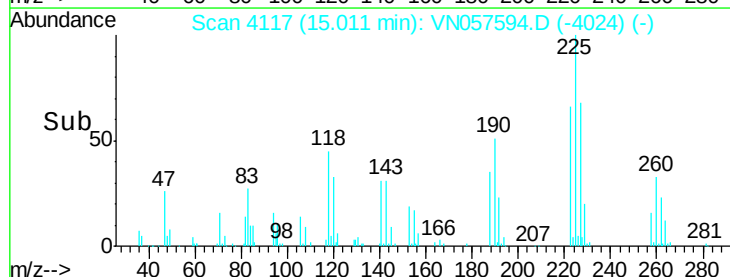
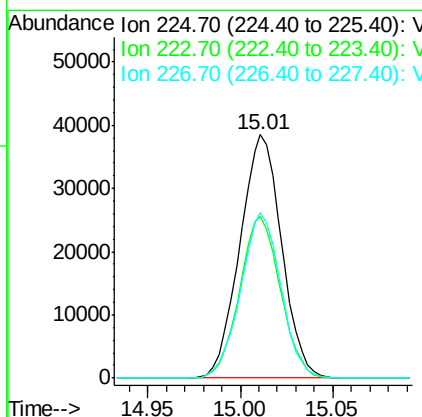
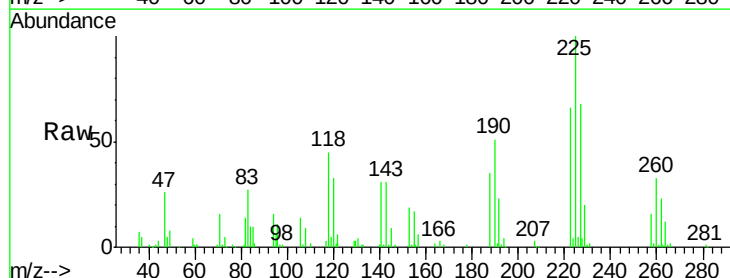
Manual Integrations
 APPROVED

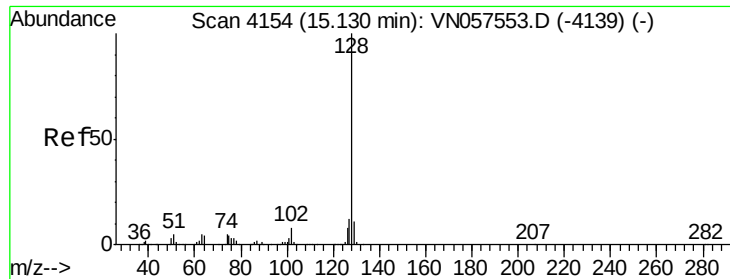
MMDadoda
 8/31/2019 11:28:49 AM



#94
 Hexachlorobutadiene
 Concen: 20.104 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057594.D
 Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60217		
223	64.9		32.0	96.2
227	65.2		31.5	94.5





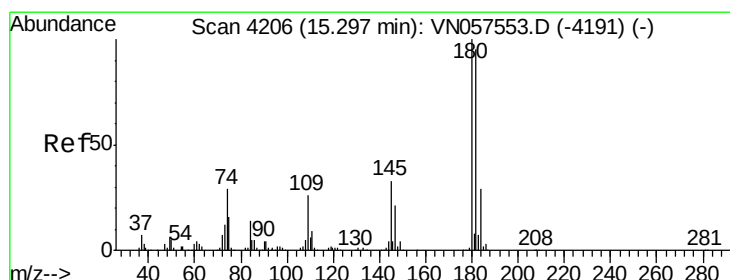
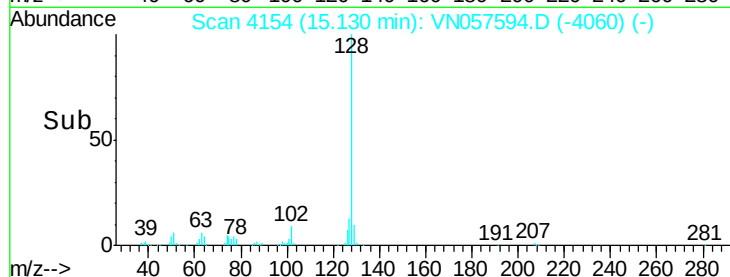
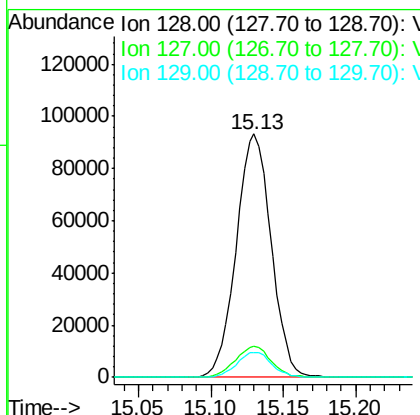
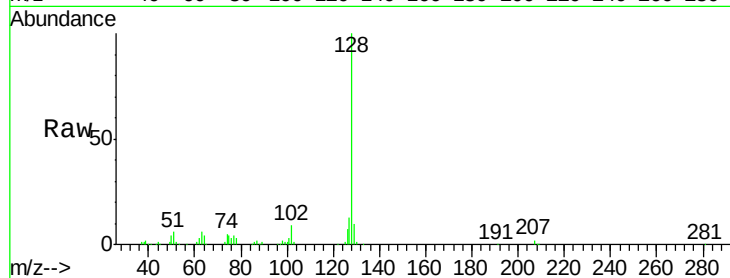
#95
Naphthalene
Concen: 17.359 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	156108		
127	13.0		10.5	15.7
129	10.3		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/31/2019 11:28:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.871 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057594.D
Acq: 30 Aug 2019 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51821		
182	97.1		46.7	140.1
145	32.0		16.8	50.3

