

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058891.D
 Acq On : 21 Oct 2019 16:13
 Operator : JC/SP
 Sample : VN1021MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:38 PM

Quant Time: Oct 22 04:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	412218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	660010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	616847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	296696	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
35) Dibromofluoromethane	7.57	113	213863	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.08	98	829611	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	297168	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	103266	20.092	ug/l	98
3) Chloromethane	2.04	50	124931	19.627	ug/l	99
4) Vinyl Chloride	2.17	62	126188	19.966	ug/l	98
5) Bromomethane	2.55	94	78583	19.855	ug/l	97
6) Chloroethane	2.68	64	80059	19.753	ug/l	98
7) Trichlorofluoromethane	3.00	101	156292	19.986	ug/l	97
8) Diethyl Ether	3.39	74	53415	19.766	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	85730	19.775	ug/l	99
10) Methyl Iodide	3.93	142	109653	19.231	ug/l	98
11) Tert butyl alcohol	4.76	59	100274	99.946	ug/l	99
12) 1,1-Dichloroethene	3.72	96	82962	20.415	ug/l	96
13) Acrolein	3.58	56	55016	79.808	ug/l	97
14) Allyl chloride	4.30	41	163978m	19.941	ug/l	
15) Acrylonitrile	4.96	53	248020	98.278	ug/l	99
16) Acetone	3.79	43	243047	81.355	ug/l	97
17) Carbon Disulfide	4.03	76	250789	19.158	ug/l	98
18) Methyl Acetate	4.30	43	140353	20.664	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	293274	20.611	ug/l	100
20) Methylene Chloride	4.53	84	100256	19.653	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	88329	19.682	ug/l	98
22) Diisopropyl ether	5.93	45	331388	20.604	ug/l	99
23) Vinyl Acetate	5.87	43	1387674	107.386	ug/l	100
24) 1,1-Dichloroethane	5.82	63	185902	19.933	ug/l	100
25) 2-Butanone	6.81	43	358625	92.475	ug/l	98
26) 2,2-Dichloropropane	6.81	77	149815	18.572	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	105333	20.546	ug/l	98
28) Bromochloromethane	7.18	49	60040	19.330	ug/l	99
29) Tetrahydrofuran	7.19	42	236158	99.546	ug/l	98
30) Chloroform	7.36	83	182070	19.462	ug/l	99
31) Cyclohexane	7.64	56	170848	19.664	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	158012	20.039	ug/l	99
36) 1,1-Dichloropropene	7.78	75	133649	19.779	ug/l	98
37) Ethyl Acetate	6.91	43	148462	20.164	ug/l	99
38) Carbon Tetrachloride	7.76	117	137240	19.715	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	154877	20.413	ug/l	100
40) Benzene	8.02	78	403910	20.356	ug/l	99
41) Methacrylonitrile	7.16	41	70118	21.383	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	155717	20.373	ug/l	98
43) Isopropyl Acetate	8.15	43	235824	19.971	ug/l #	93
44) Trichloroethene	8.82	130	97084	20.086	ug/l	100
45) 1,2-Dichloropropane	9.11	63	109936	20.205	ug/l	98
46) Dibromomethane	9.20	93	68993	20.058	ug/l	99
47) Bromodichloromethane	9.39	83	142000	20.030	ug/l	99
48) Methyl methacrylate	9.19	41	109807	20.496	ug/l	98
49) 1,4-Dioxane	9.19	88	33182	377.303	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	746519	108.237	ug/l	99
52) Toluene	10.15	92	243369	20.683	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	156396	19.928	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	167547	19.982	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	97389	20.091	ug/l	98
56) Ethyl methacrylate	10.43	69	144859	19.142	ug/l	98
57) 1,3-Dichloropropane	10.70	76	172381	20.262	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	313142	94.674	ug/l	100
59) 2-Hexanone	10.75	43	548495	102.915	ug/l	98
60) Dibromochloromethane	10.90	129	103819	19.898	ug/l	100
61) 1,2-Dibromoethane	11.00	107	101522	20.465	ug/l	98
64) Tetrachloroethene	10.63	164	86017	19.911	ug/l	98
65) Chlorobenzene	11.43	112	254317	20.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96864	20.440	ug/l	98
67) Ethyl Benzene	11.51	91	465079	21.111	ug/l	97
68) m/p-Xylenes	11.62	106	342302	41.899	ug/l	99
69) o-Xylene	11.95	106	162545	20.861	ug/l	97
70) Styrene	11.97	104	260596	19.212	ug/l	99
71) Bromoform	12.13	173	72406	19.704	ug/l #	98
73) Isopropylbenzene	12.25	105	443877	21.267	ug/l	100
74) N-amyl acetate	12.07	43	200053	21.142	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	150027	20.443	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	134898m	20.380	ug/l	
77) Bromobenzene	12.53	156	106107	20.625	ug/l	98
78) n-propylbenzene	12.59	91	521853	21.152	ug/l	99
79) 2-Chlorotoluene	12.68	91	311450	20.626	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	375043	21.387	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50447	19.855	ug/l	99
82) 4-Chlorotoluene	12.78	91	319203	20.686	ug/l	100
83) tert-Butylbenzene	13.00	119	317713	21.187	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	376016	21.739	ug/l	99
85) sec-Butylbenzene	13.18	105	432634	21.639	ug/l	100
86) p-Isopropyltoluene	13.29	119	378477	21.455	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	186701	20.296	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	182829	19.852	ug/l	97
89) n-Butylbenzene	13.62	91	333552	20.583	ug/l	100
90) Hexachloroethane	13.88	117	72697	20.337	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	186509	20.629	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	32816	19.770	ug/l	97

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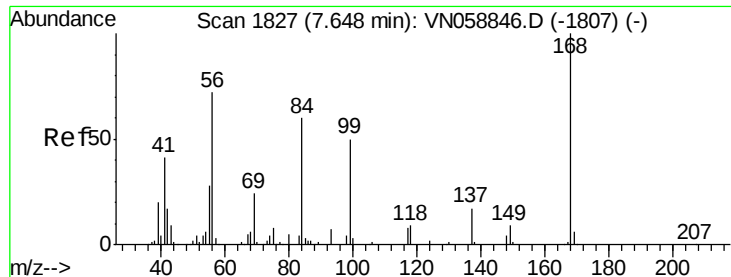
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	99376	19.100	ug/l	99
94) Hexachlorobutadiene	15.01	225	55765	19.030	ug/l	99
95) Naphthalene	15.13	128	287342	19.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100848	19.723	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion:168 Resp: 412218

Ion Ratio Lower Upper

168 100

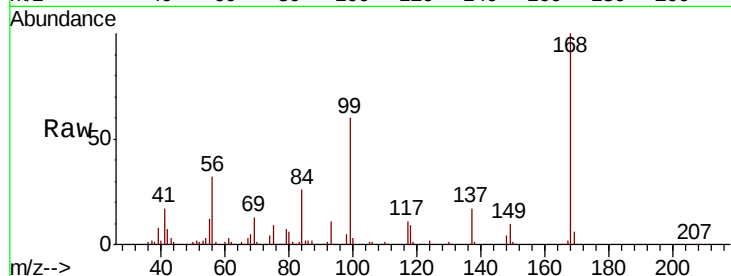
99 60.3 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

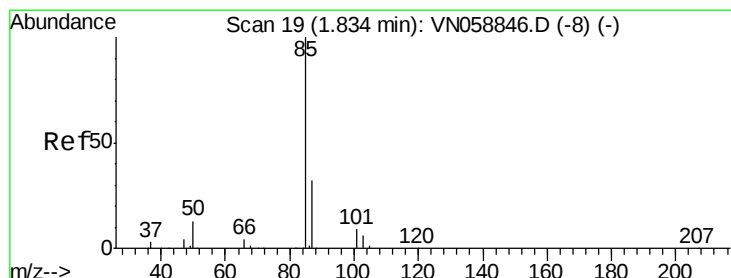
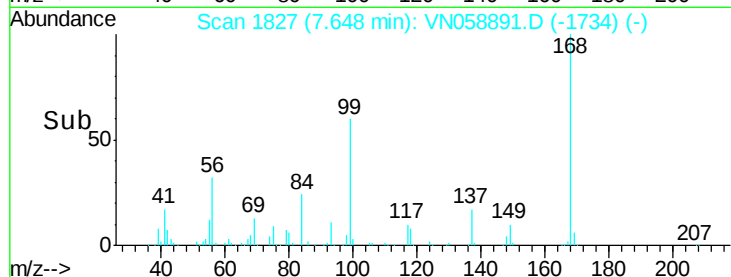
50000

0

7.65

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.092 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058891.D

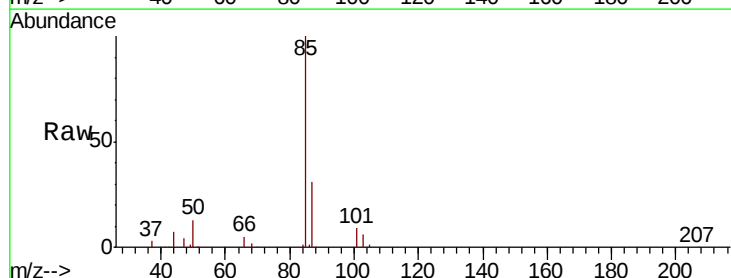
Acq: 21 Oct 2019 16:13

Tgt Ion: 85 Resp: 103266

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

80000

60000

40000

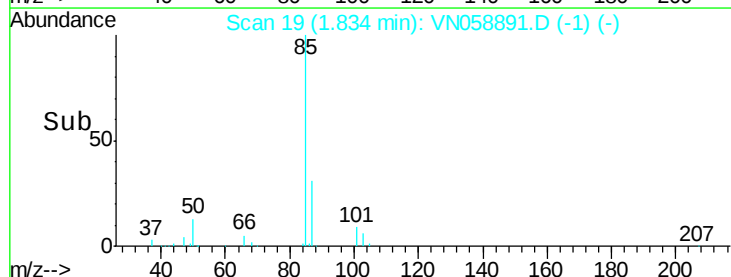
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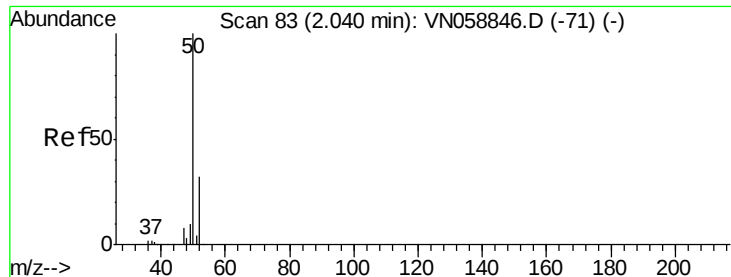
0

1.83

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.627 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 50 Resp: 124931

Ion Ratio Lower Upper

50 100

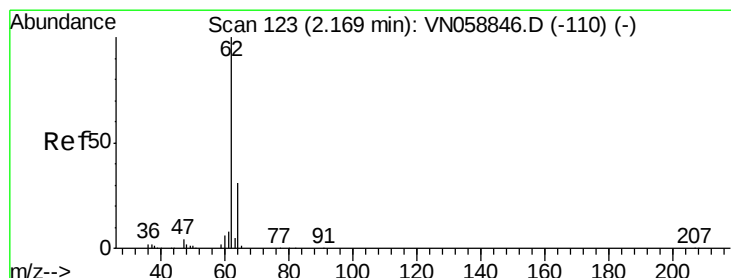
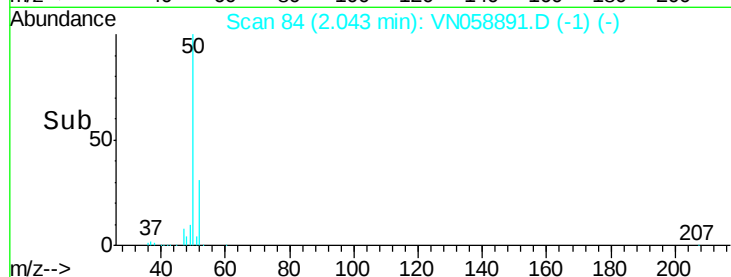
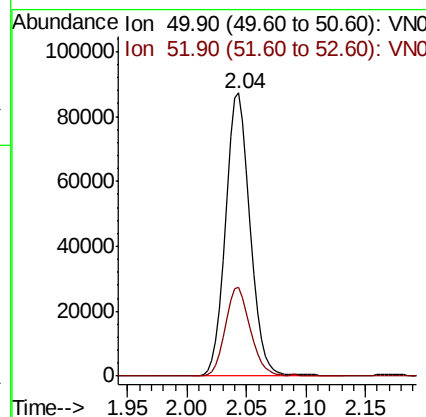
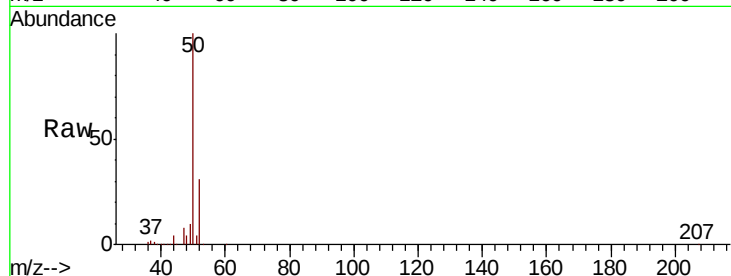
52 31.4 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.966 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058891.D

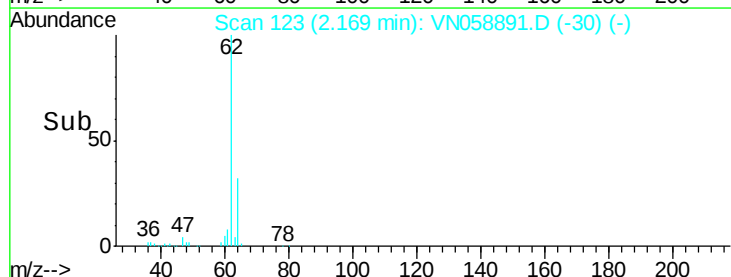
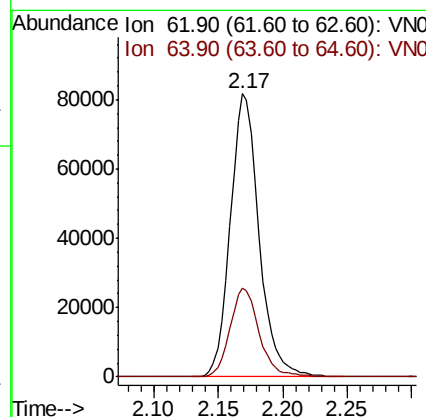
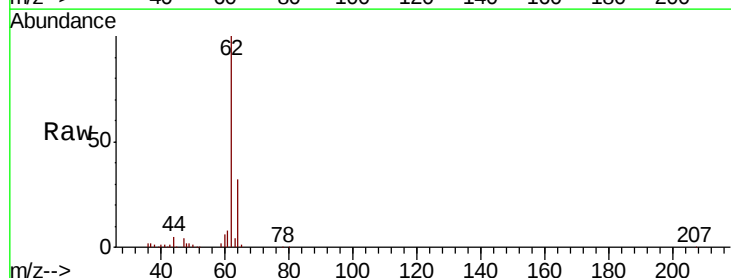
Acq: 21 Oct 2019 16:13

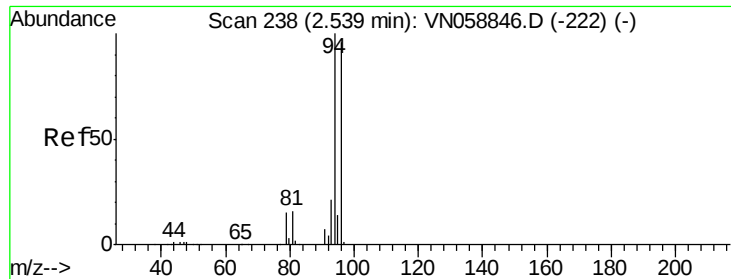
Tgt Ion: 62 Resp: 126188

Ion Ratio Lower Upper

62 100

64 31.6 24.6 36.8





#5

Bromomethane

Concen: 19.855 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 94 Resp: 78583

Ion Ratio Lower Upper

94 100

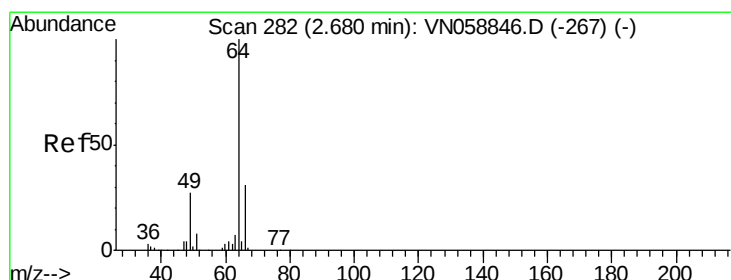
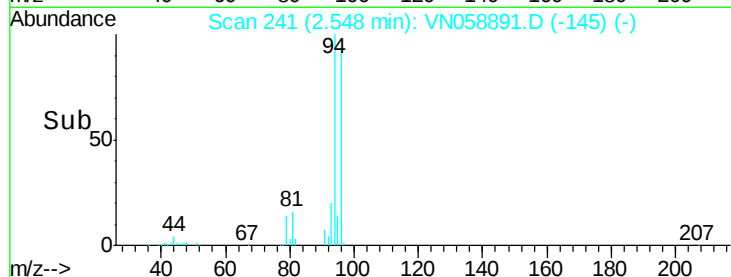
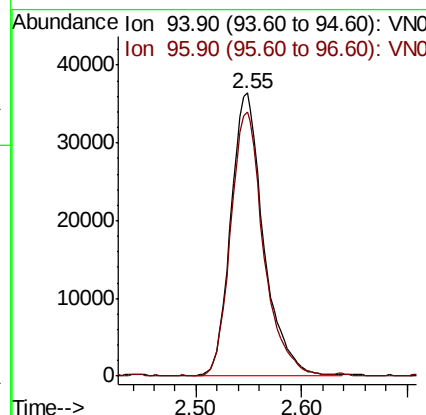
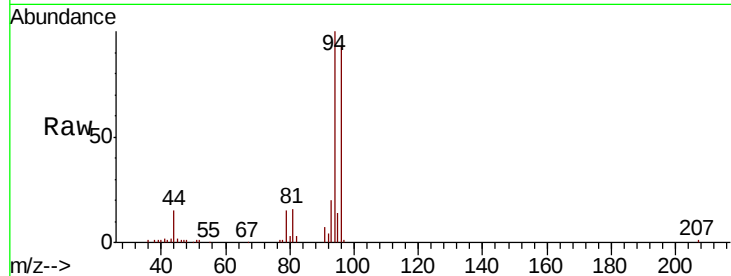
96 93.4 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 19.753 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058891.D

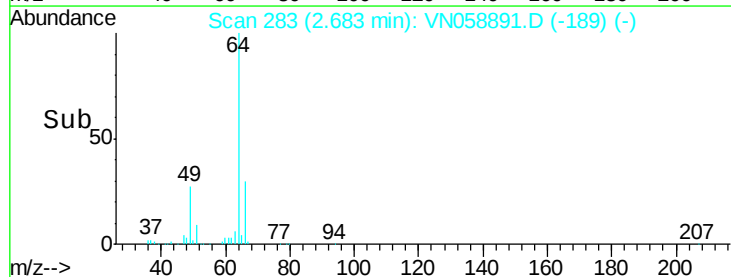
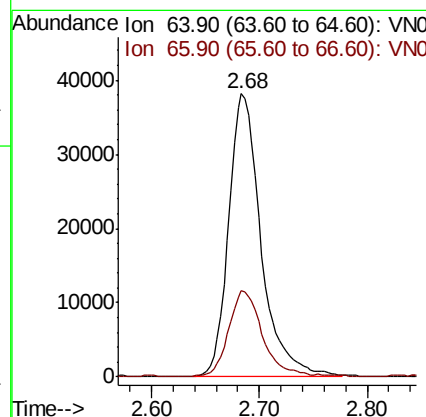
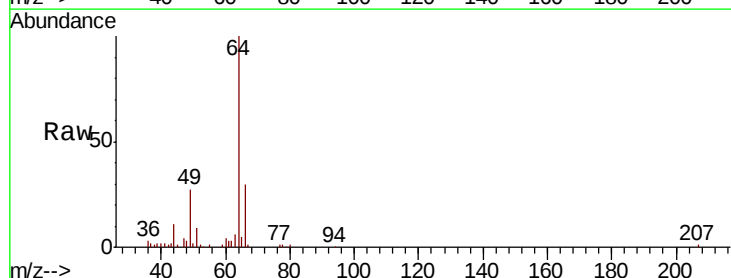
Acq: 21 Oct 2019 16:13

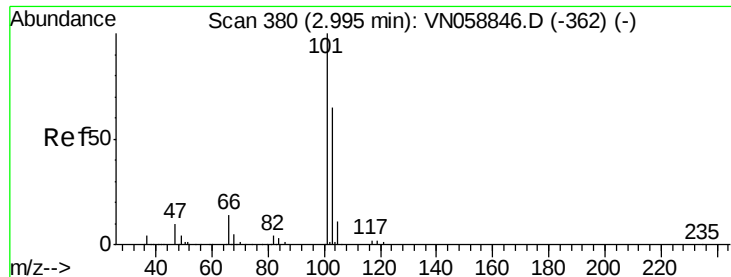
Tgt Ion: 64 Resp: 80059

Ion Ratio Lower Upper

64 100

66 30.3 25.0 37.4





#7

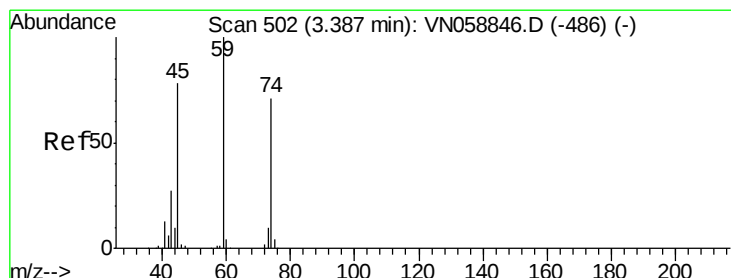
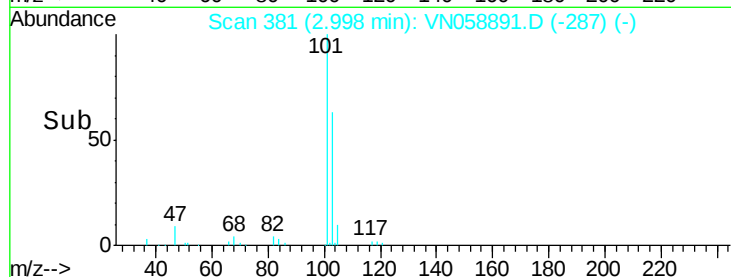
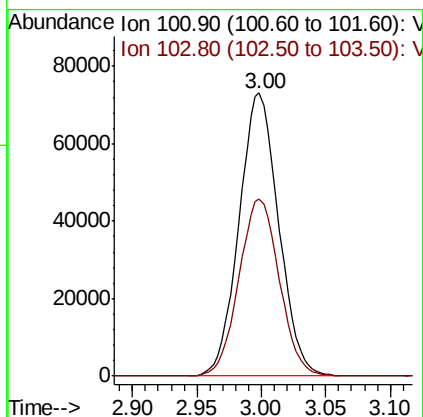
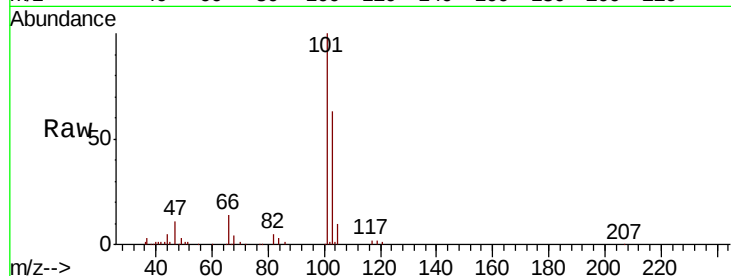
Trichlorofluoromethane
Concen: 19.986 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		156292		
103	62.6	52.2	78.2		

Manual Integrations
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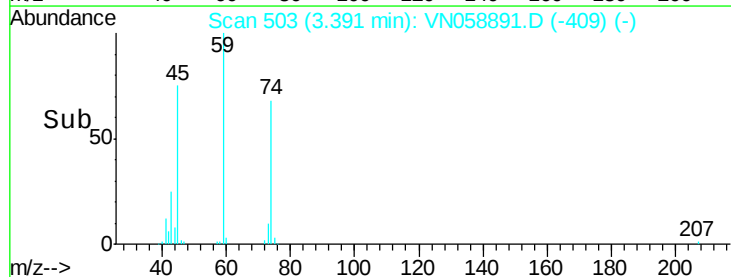
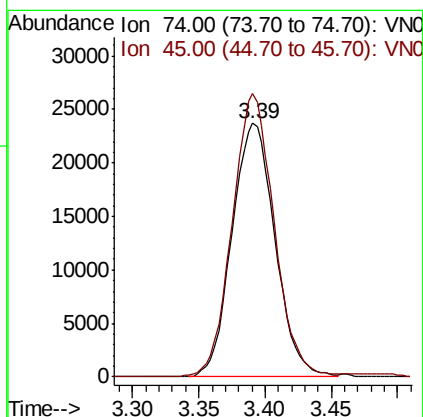
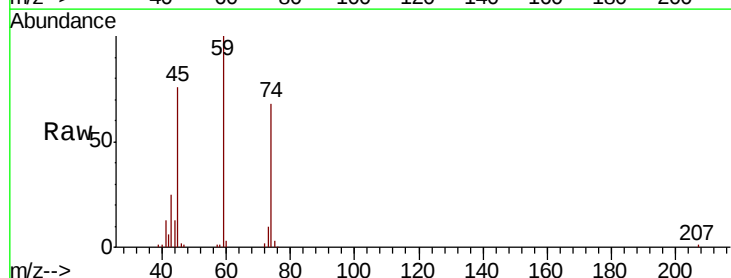
MMDadoda
10/22/2019 4:55:38 PM

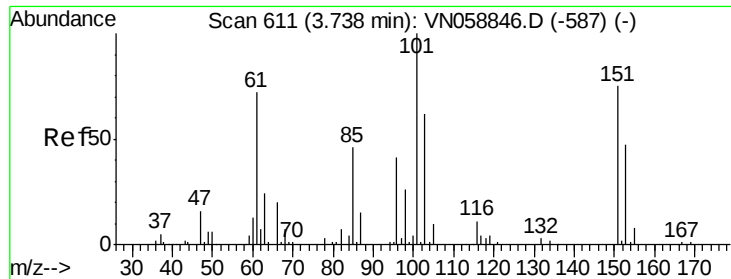


#8

Diethyl Ether
Concen: 19.766 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		53415		
45	108.7	54.9	164.5		





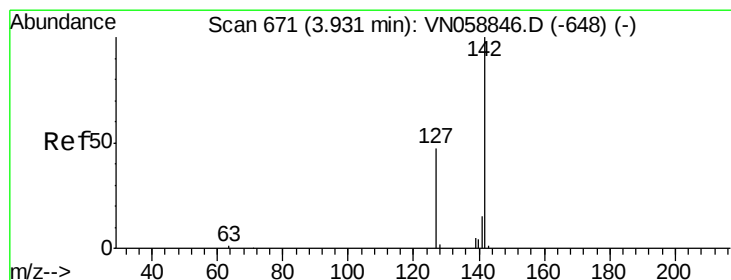
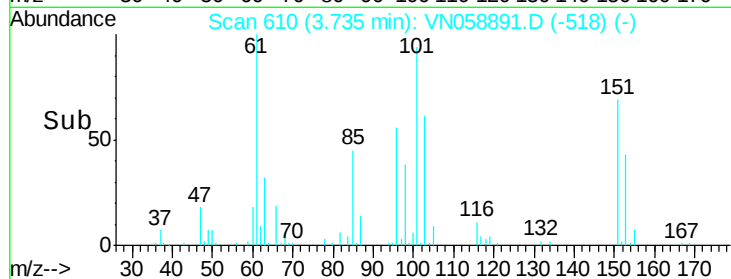
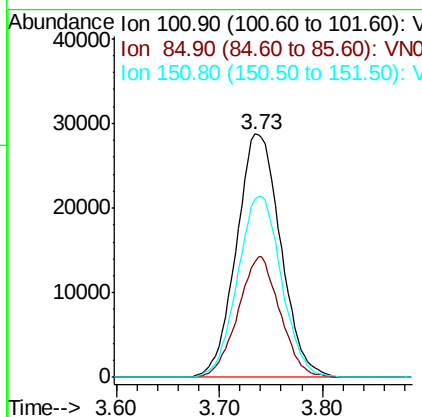
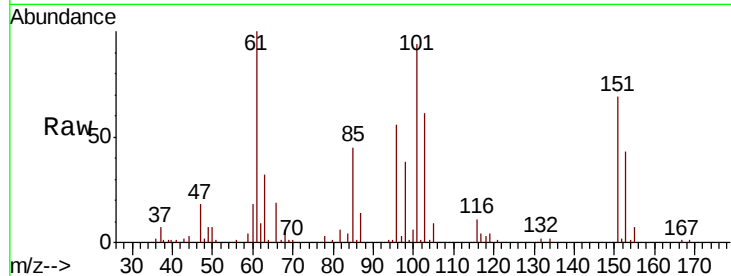
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.775 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.2	37.2	55.8
151	73.8	59.9	89.9

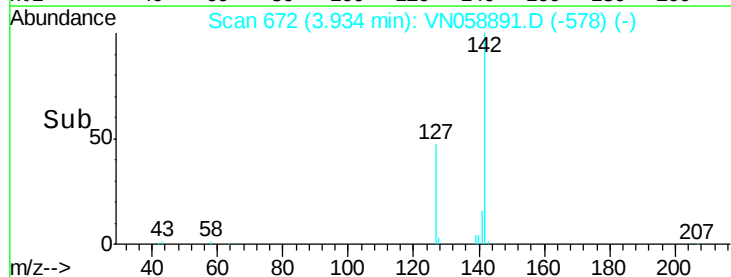
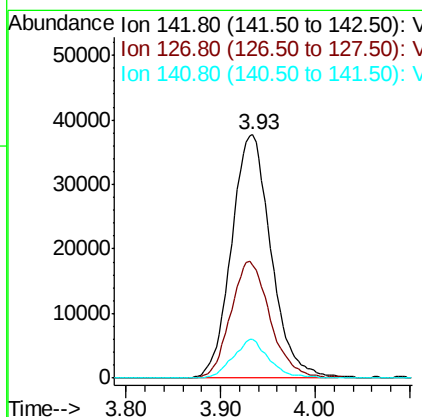
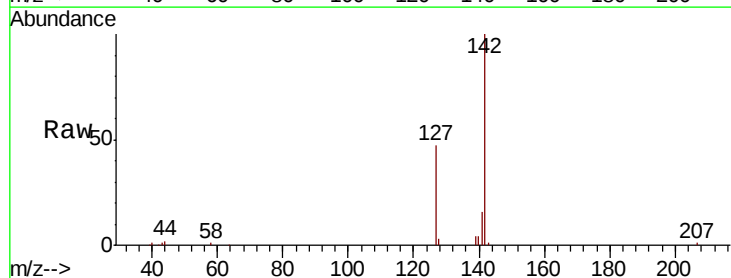
Manual Integrations
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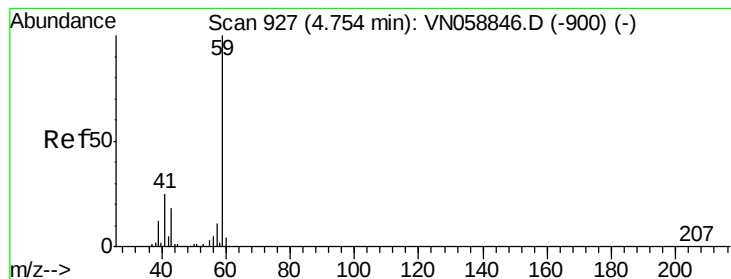
MMDadoda
10/22/2019 4:55:38 PM



#10
Methyl Iodide
Concen: 19.231 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.6	36.6	54.8
141	14.5	11.4	17.2





#11

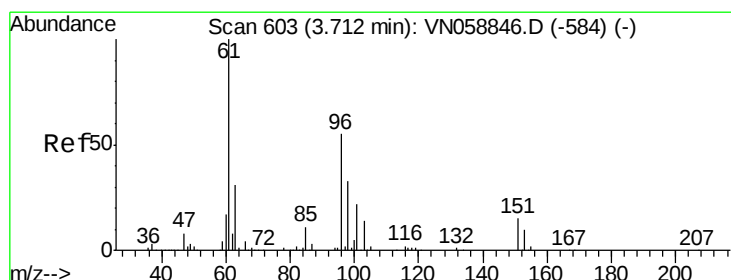
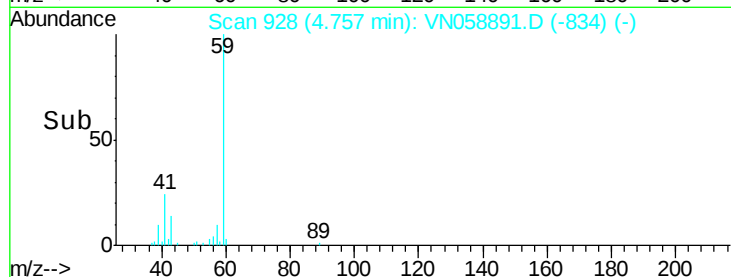
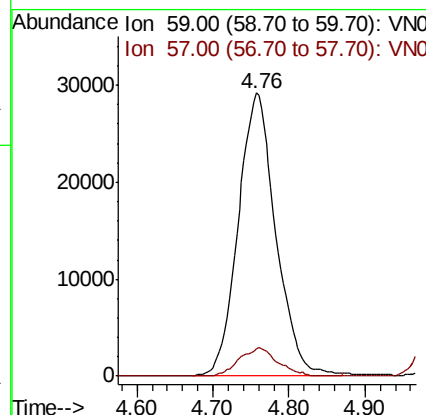
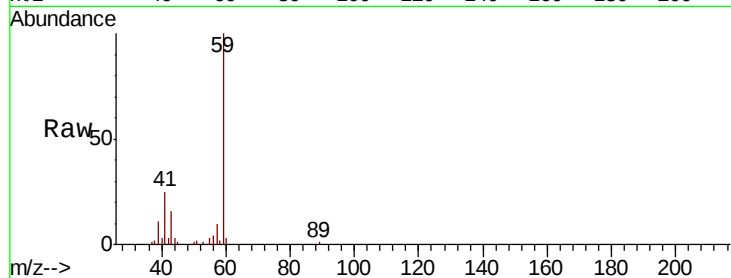
Tert butyl alcohol
 Concen: 99.946 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

Manual Integrations
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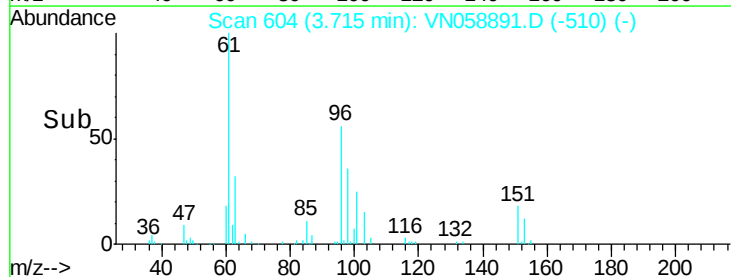
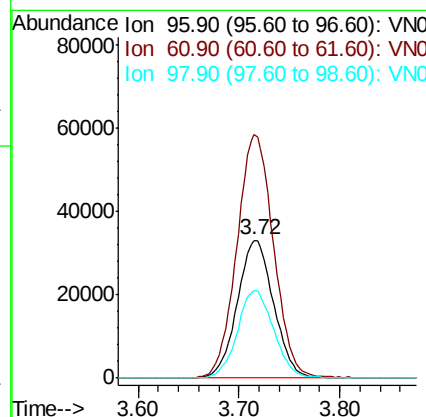
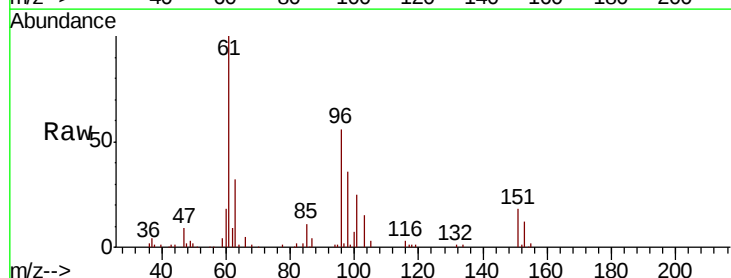
MMDadoda
 10/22/2019 4:55:38 PM

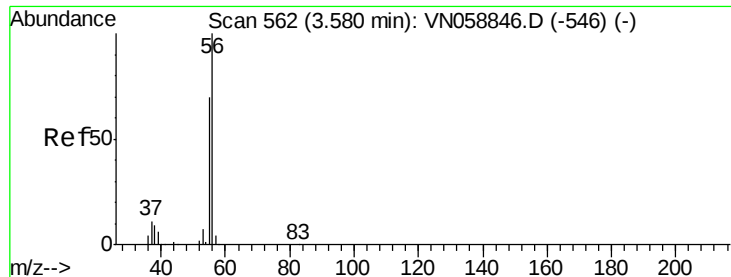


#12

1,1-Dichloroethene
 Concen: 20.415 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.2	146.2	219.2
98	63.8	48.7	73.1





#13

Acrolein

Concen: 79.808 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 56 Resp: 55016

Ion Ratio Lower Upper

56 100

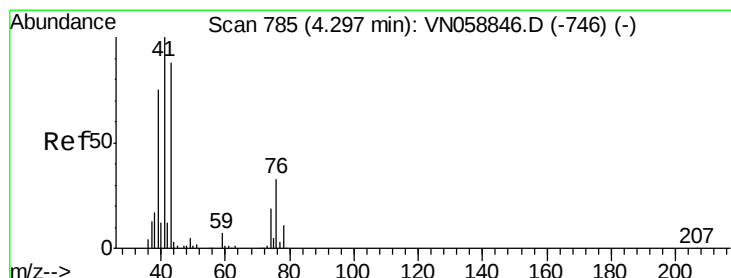
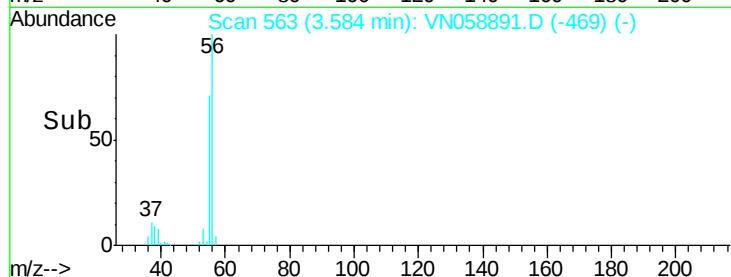
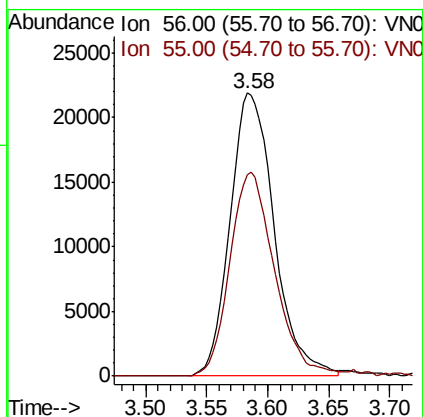
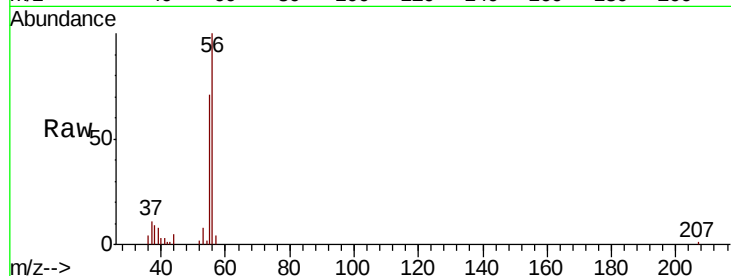
55 73.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.941 ug/l m

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

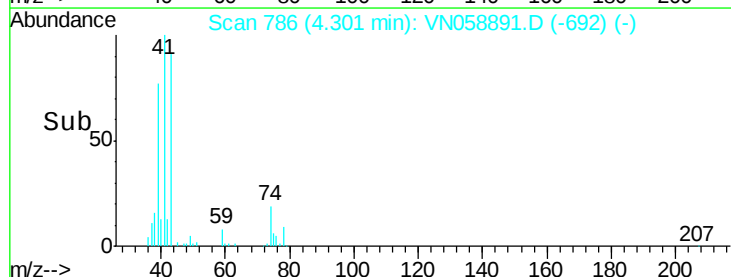
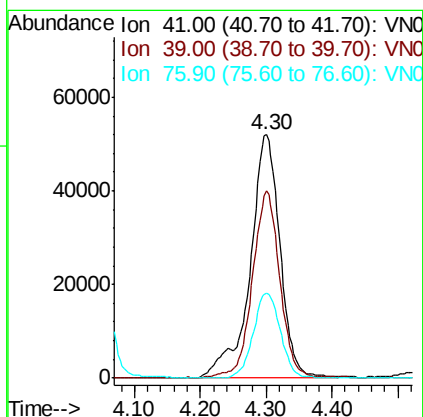
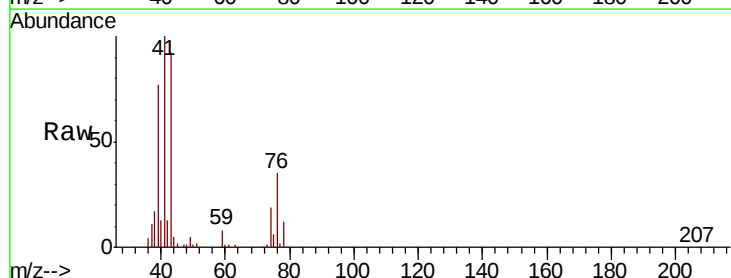
Tgt Ion: 41 Resp: 163978

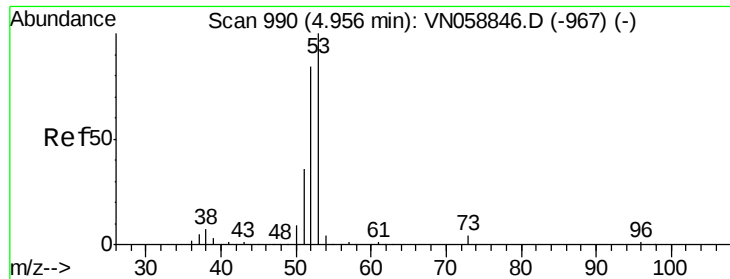
Ion Ratio Lower Upper

41 100

39 70.3 55.9 83.9

76 31.4 24.1 36.1





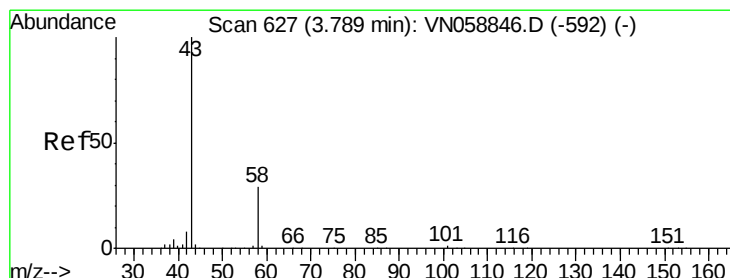
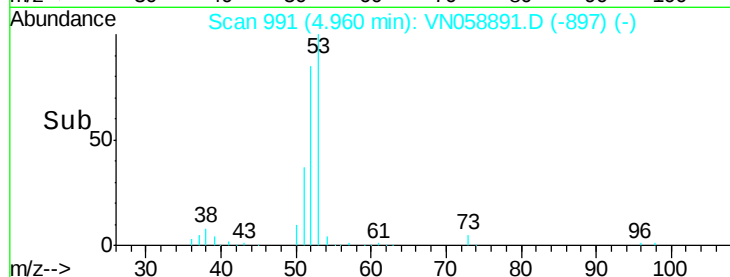
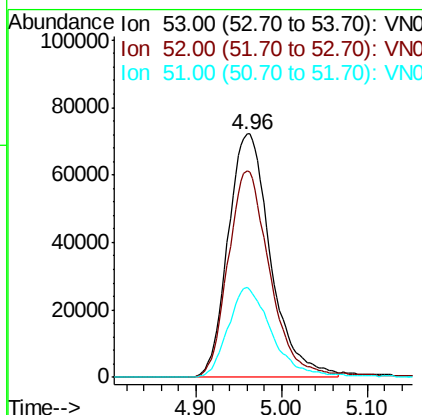
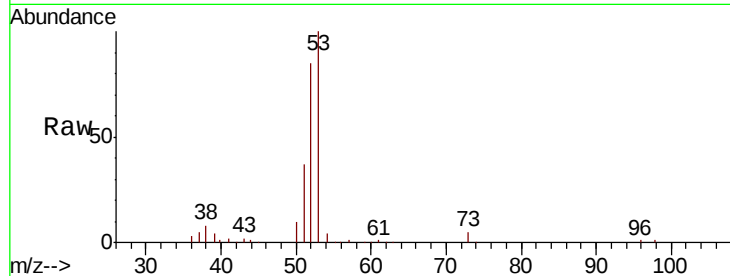
#15
 Acrylonitrile
 Concen: 98.278 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	99.8
51	37.9	29.2	43.8

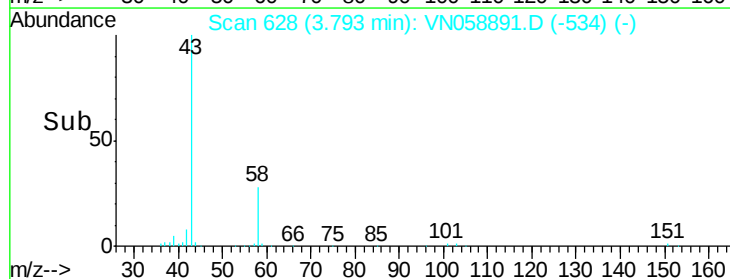
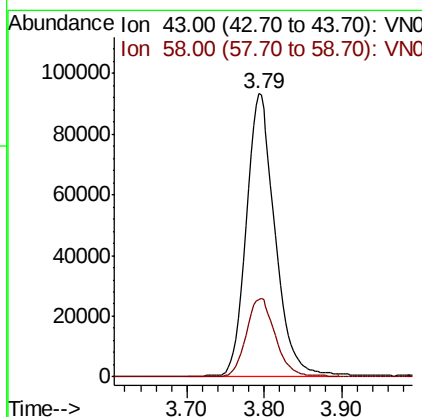
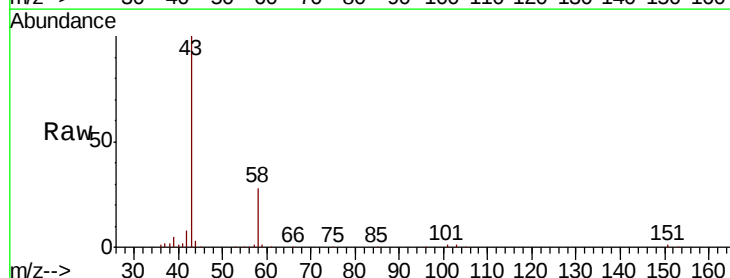
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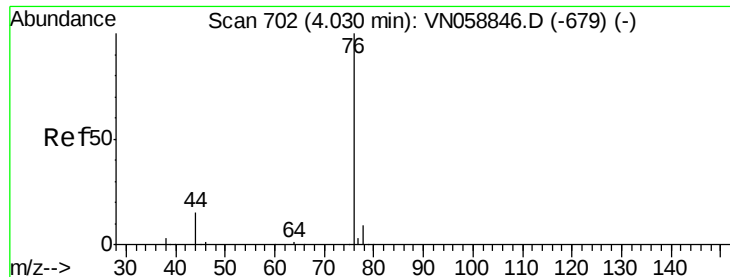
MMDadoda
 10/22/2019 4:55:38 PM



#16
 Acetone
 Concen: 81.355 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.5	23.1	34.7





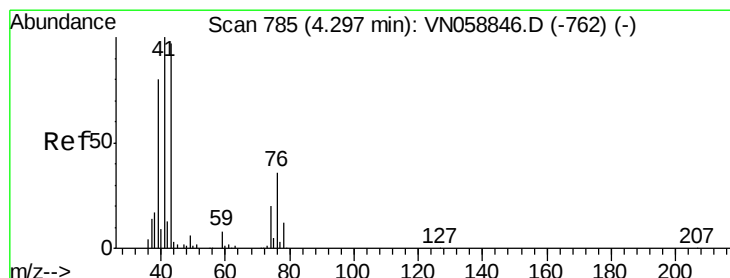
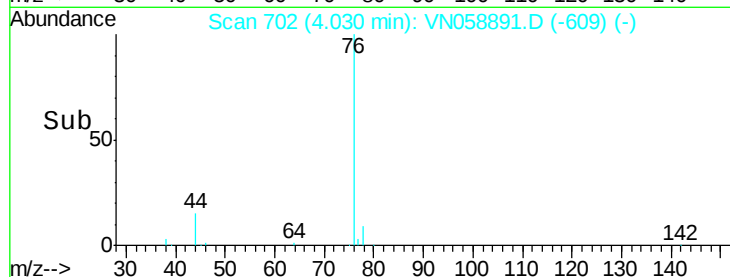
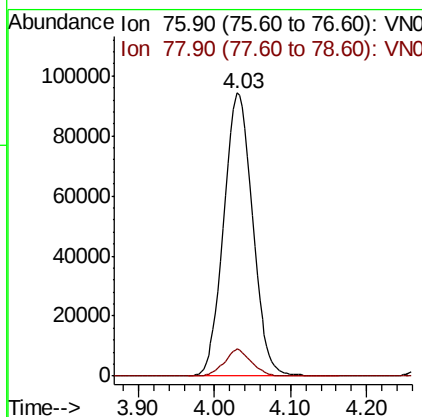
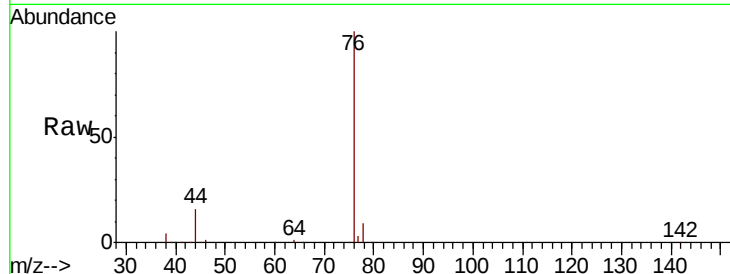
#17
Carbon Disulfide
Concen: 19.158 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

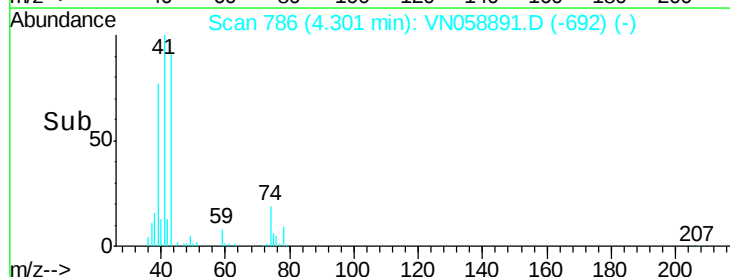
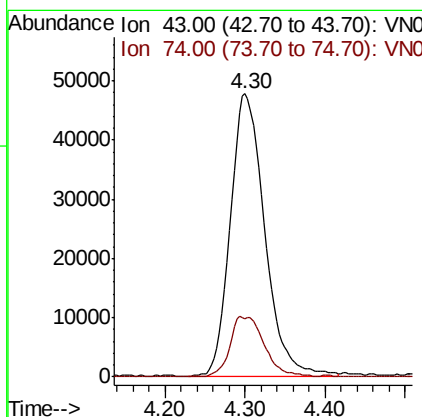
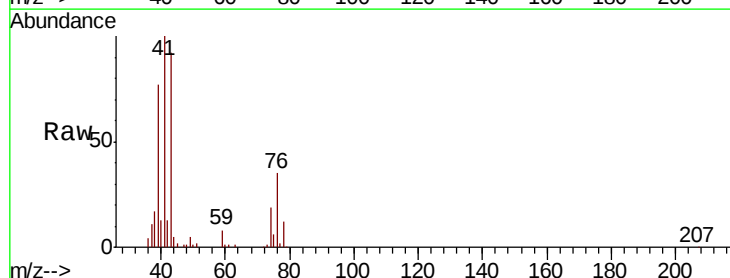
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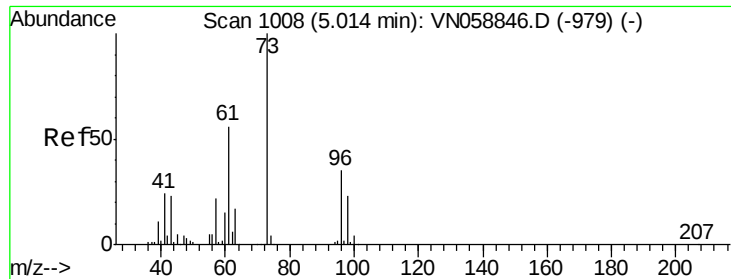
MMDadoda
10/22/2019 4:55:38 PM



#18
Methyl Acetate
Concen: 20.664 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.1	25.7





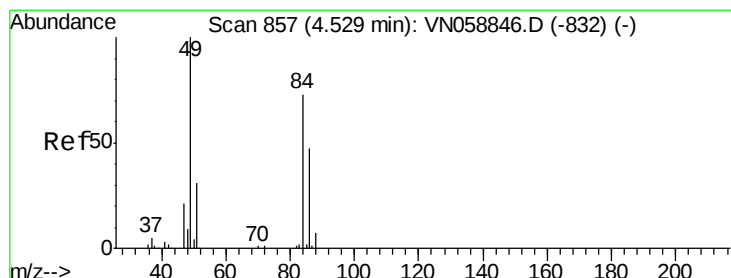
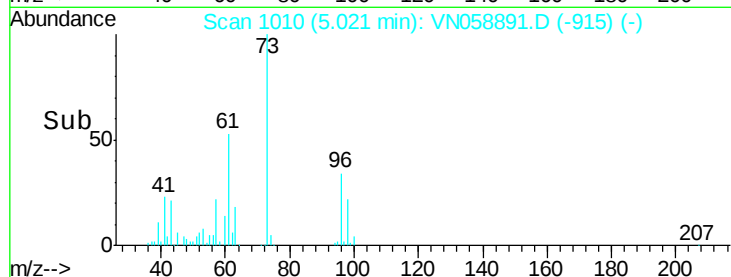
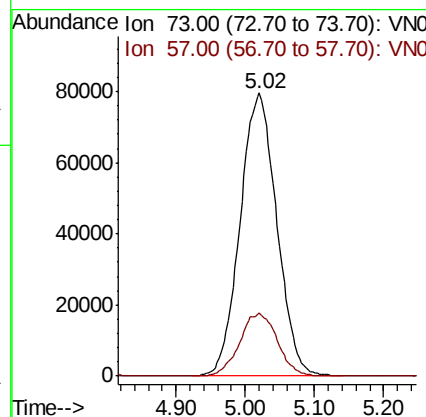
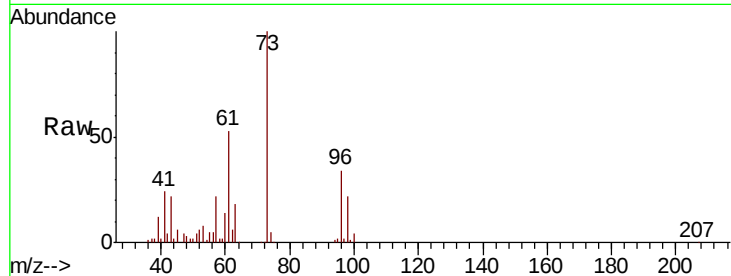
#19
Methvl tert-butvl Ether
Concen: 20.611 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion: 73 Resp: 293274
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9

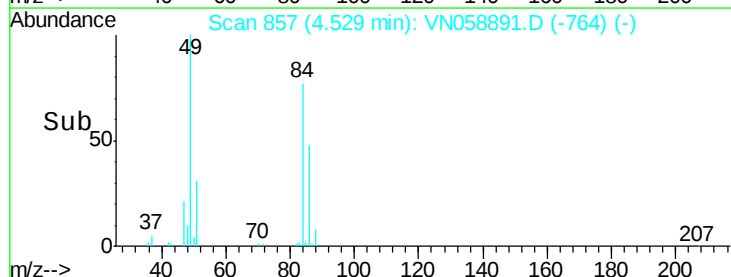
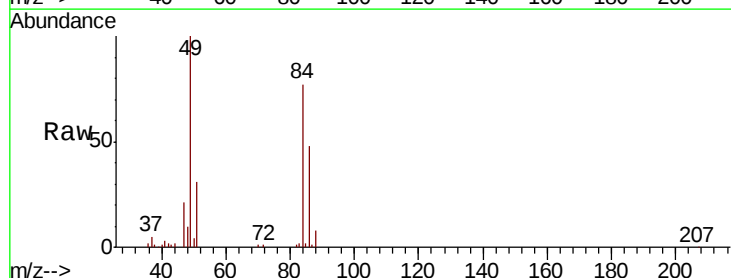
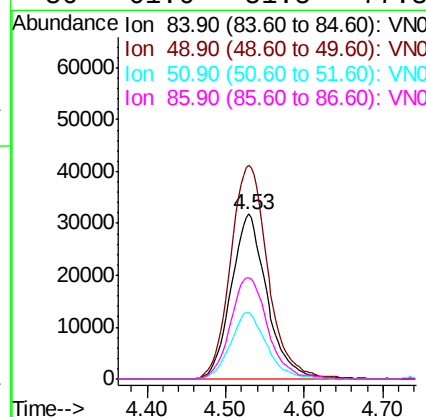
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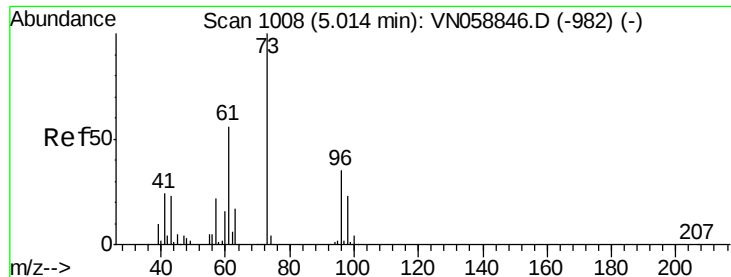
MMDadoda
10/22/2019 4:55:38 PM



#20
Methylene Chloride
Concen: 19.653 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion: 84 Resp: 100256
Ion Ratio Lower Upper
84 100
49 129.6 109.6 164.4
51 40.5 33.8 50.6
86 61.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 19.682 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 96 Resp: 88329

Ion Ratio Lower Upper

96 100

61 156.4 126.7 190.1

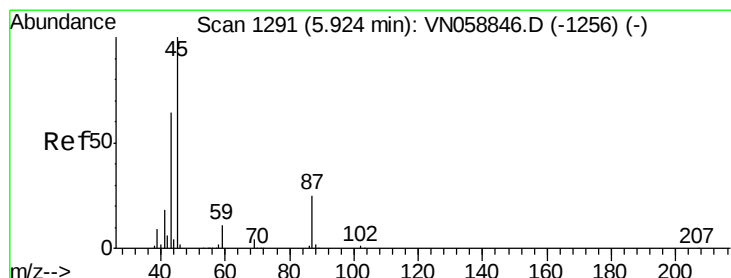
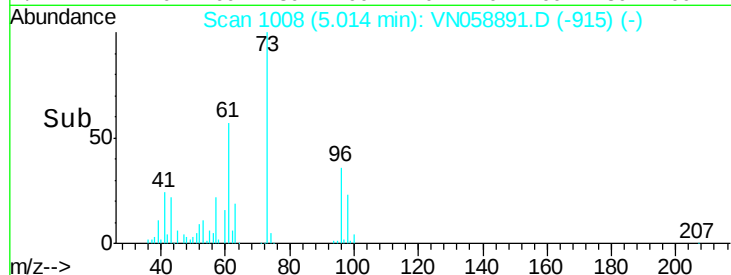
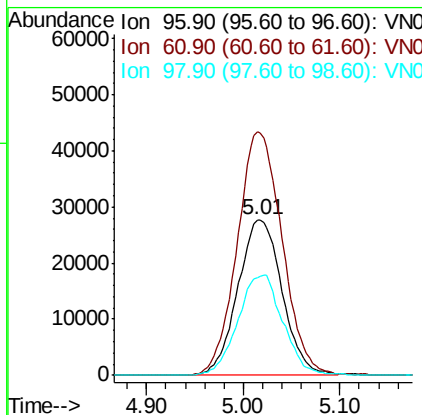
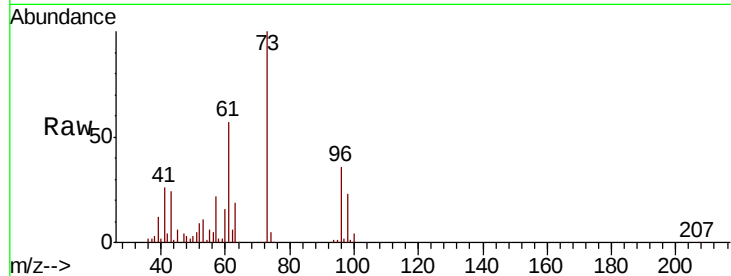
98 62.6 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.604 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion: 45 Resp: 331388

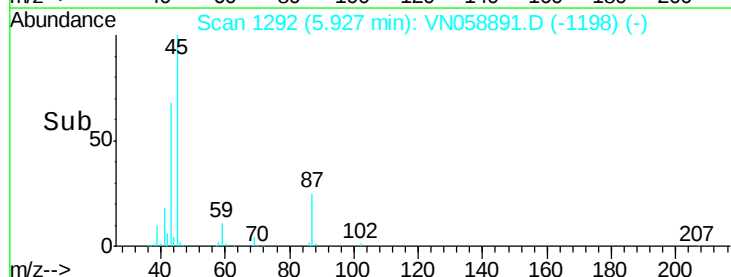
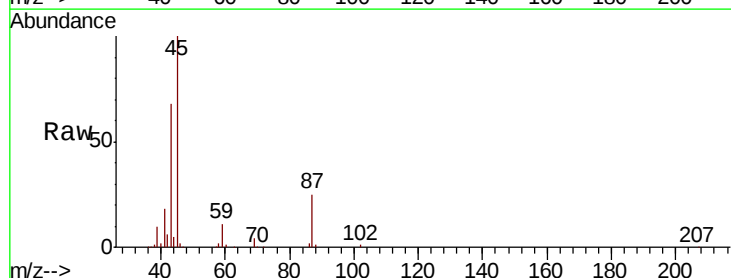
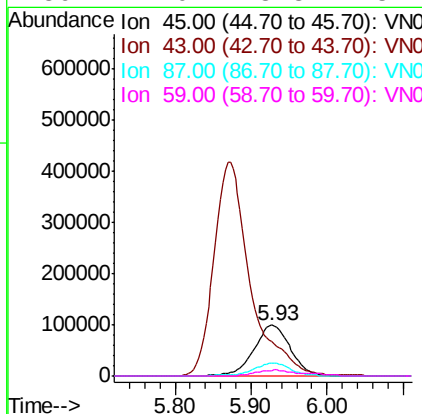
Ion Ratio Lower Upper

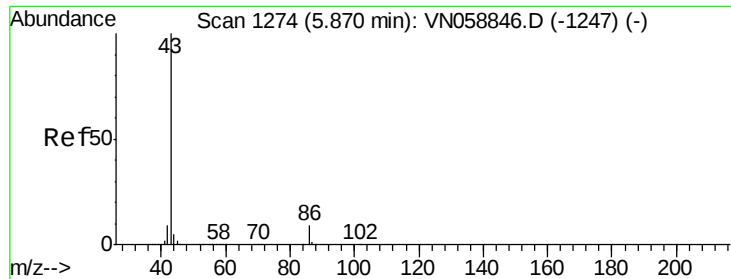
45 100

43 65.6 52.9 79.3

87 24.6 20.2 30.4

59 11.0 8.8 13.2





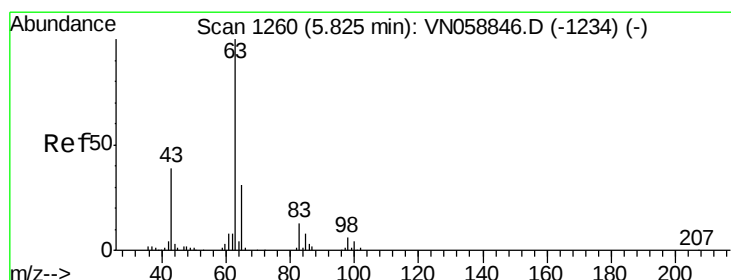
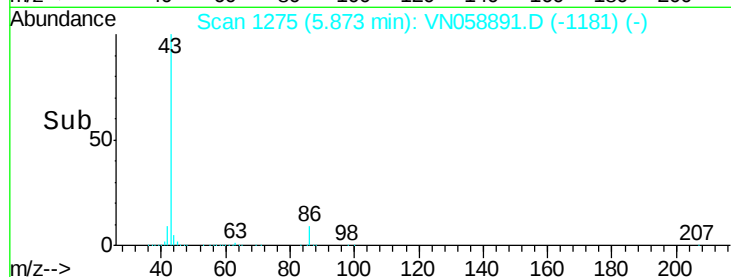
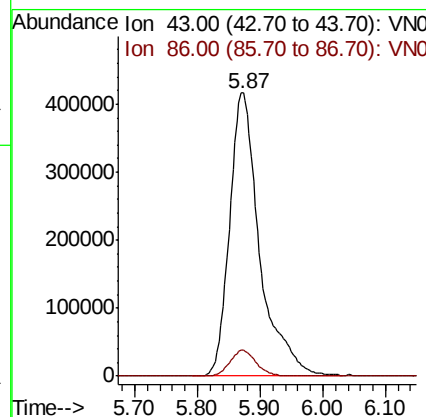
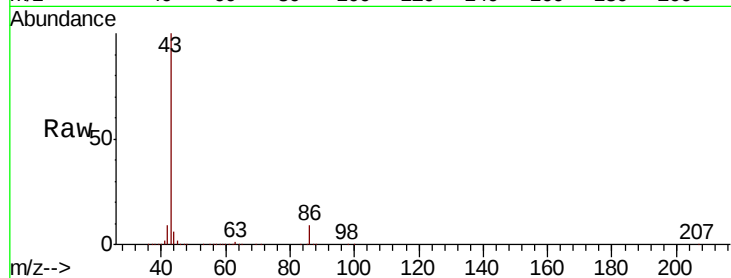
#23
 Vinyl Acetate
 Concen: 107.386 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion: 43 Resp: 1387674
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.2 10.8

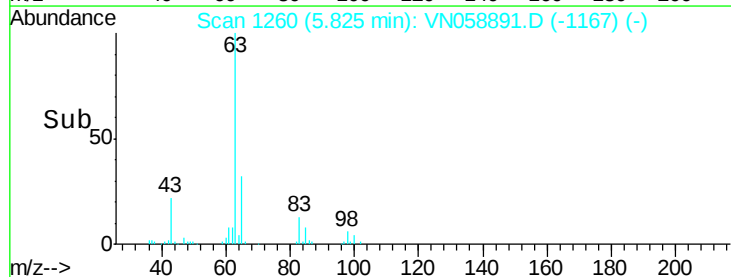
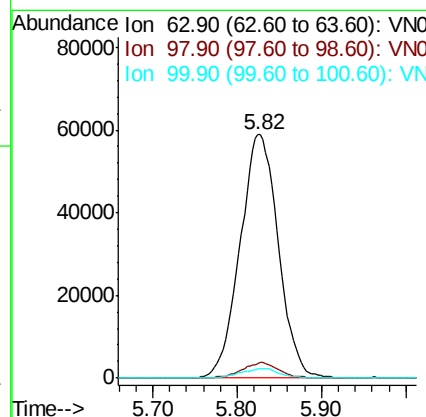
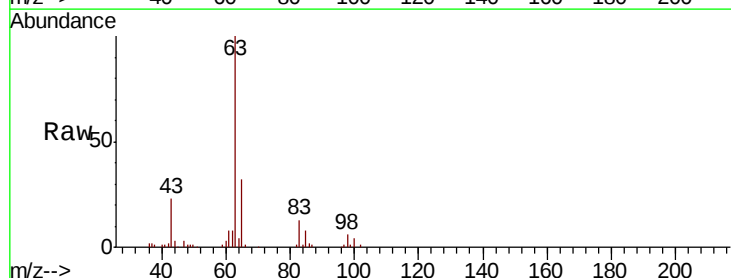
Manual Integrations
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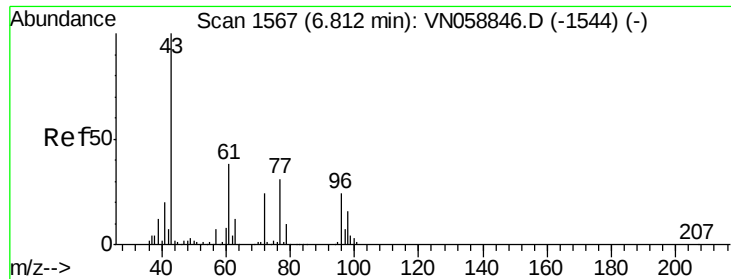
MMDadoda
 10/22/2019 4:55:38 PM



#24
 1,1-Dichloroethane
 Concen: 19.933 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Tgt Ion: 63 Resp: 185902
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 92.475 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 43 Resp: 358625

Ion Ratio Lower Upper

43 100

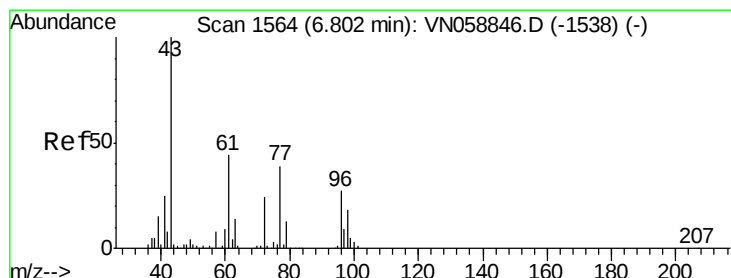
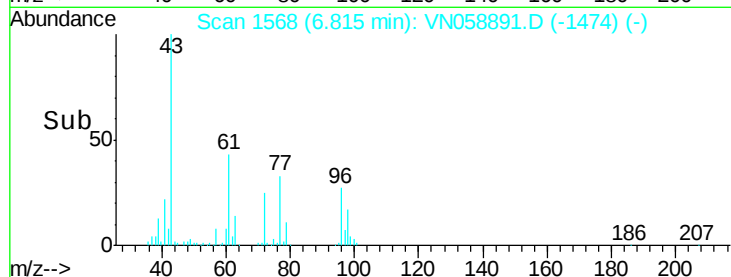
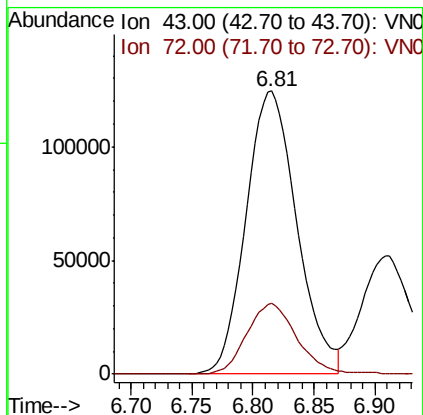
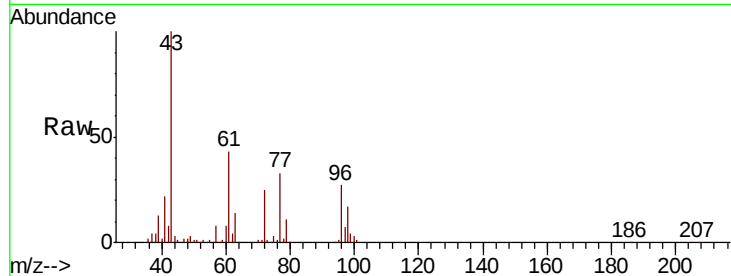
72 24.9 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.572 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058891.D

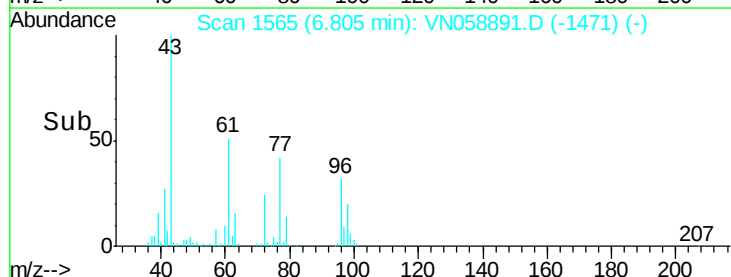
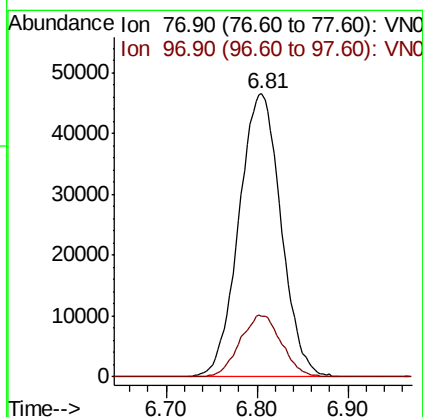
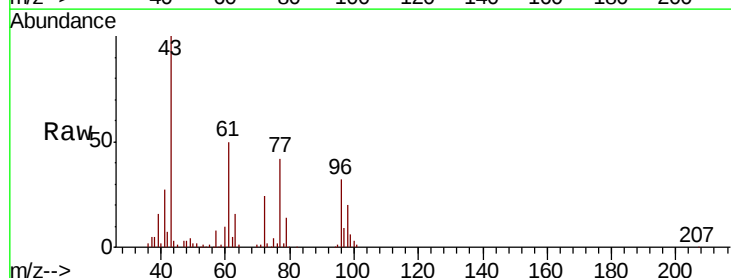
Acq: 21 Oct 2019 16:13

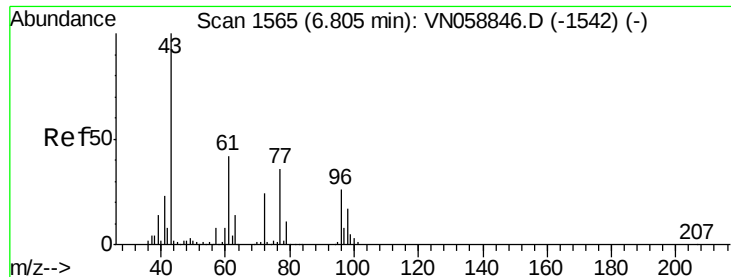
Tgt Ion: 77 Resp: 149815

Ion Ratio Lower Upper

77 100

97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.546 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

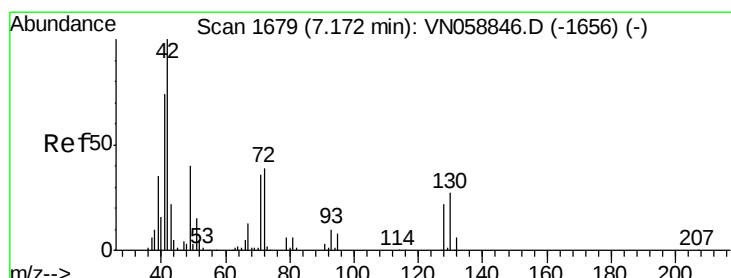
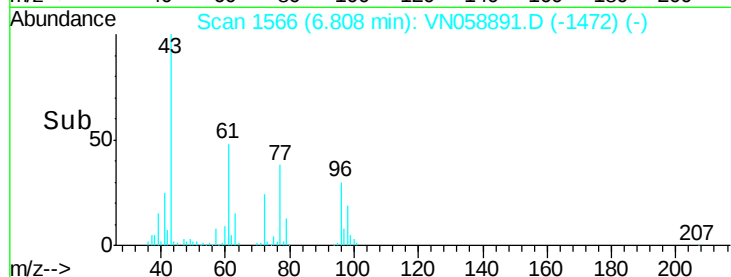
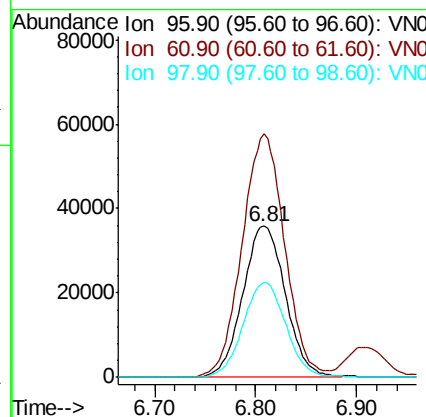
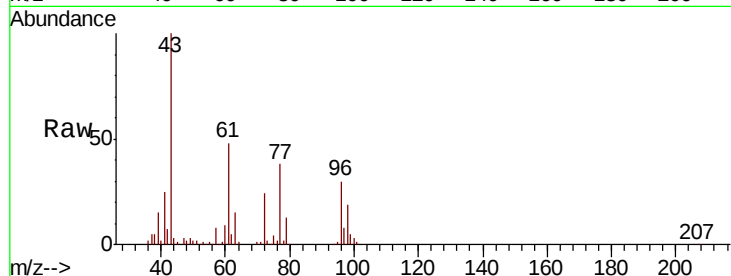
ClientSampleId :

VN1021MBS01

Tot Ion:	96	Resp:	105333
Ion	Ratio	Lower	Upper
96	100		
61	160.2	0.0	325.0
98	62.5	0.0	128.0

Manual Integrations
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#28

Bromochloromethane

Concen: 19.330 ug/l

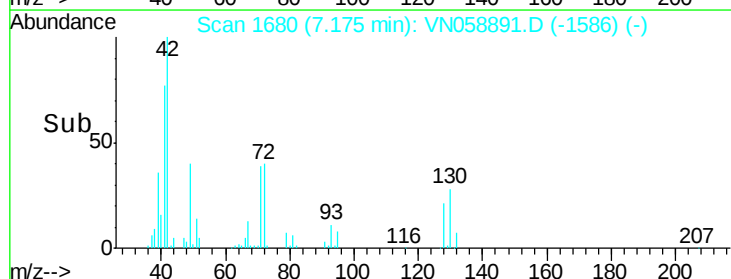
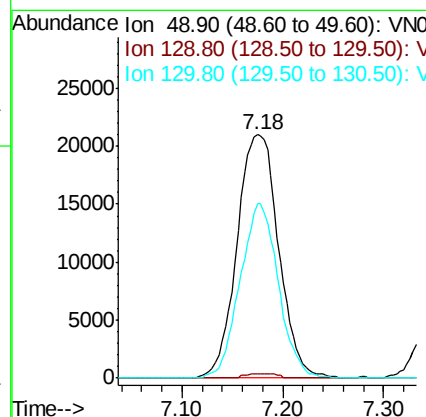
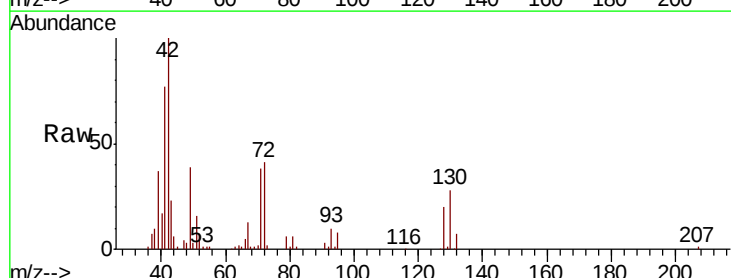
RT: 7.18 min Scan# 1680

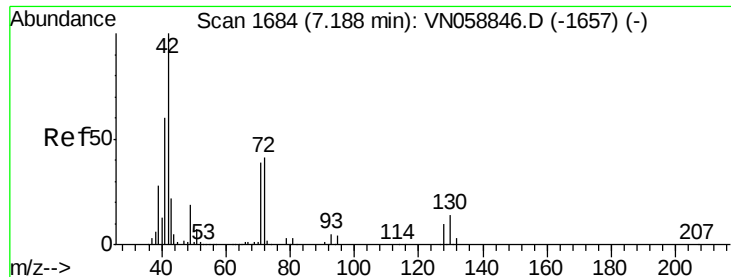
Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion:	49	Resp:	60040
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.2
130	66.0	53.5	80.3





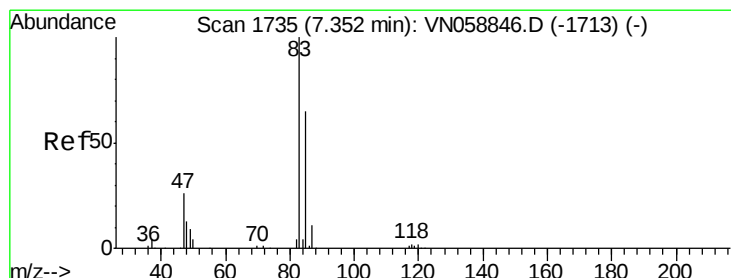
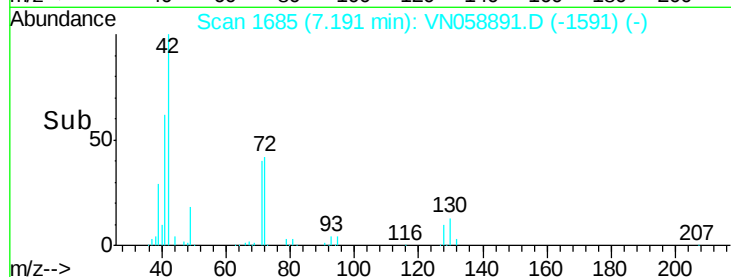
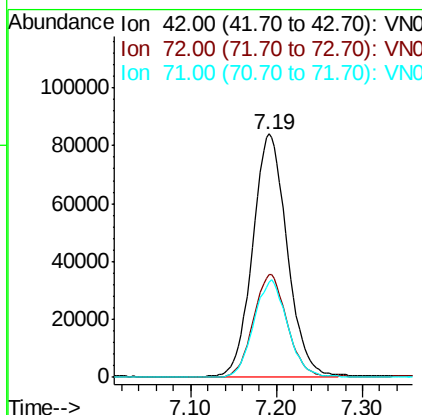
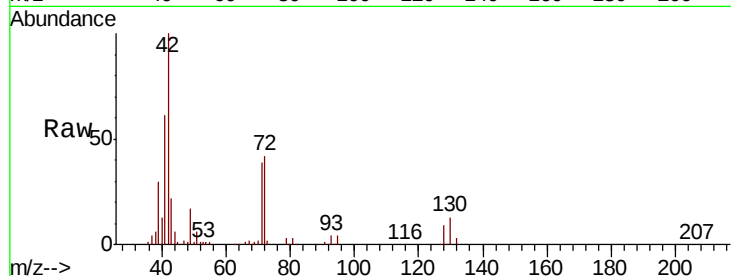
#29
Tetrahydrofuran
Concen: 99.546 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.2	48.2
71	39.0	30.6	45.8

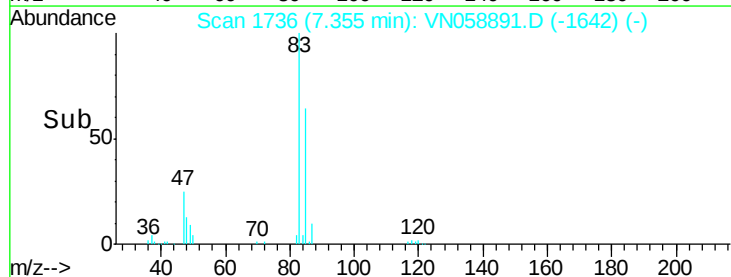
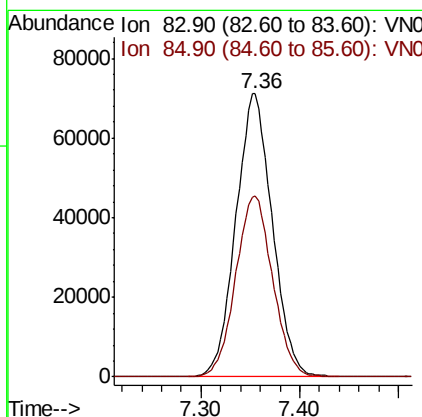
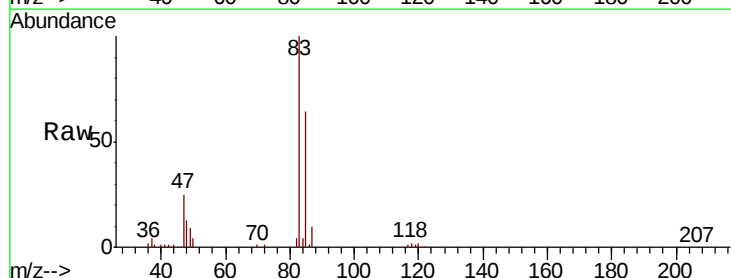
Manual Integrations
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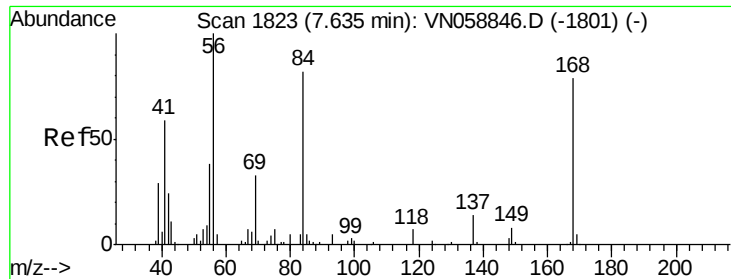
MMDadoda
10/22/2019 4:55:38 PM



#30
Chloroform
Concen: 19.462 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9





#31

Cyclohexane

Concen: 19.664 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 56 Resp: 170848

Ion Ratio Lower Upper

56 100

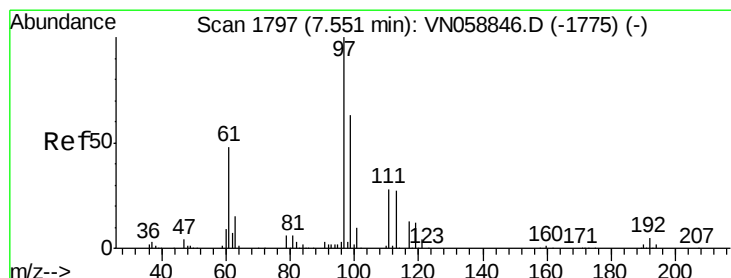
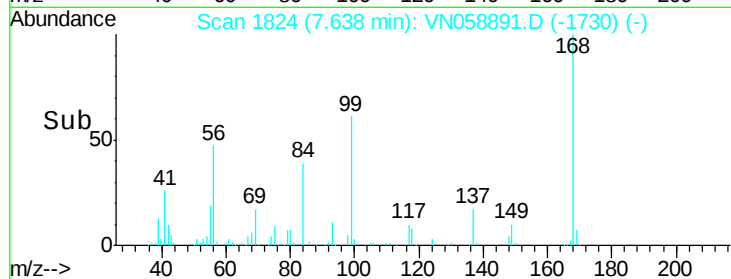
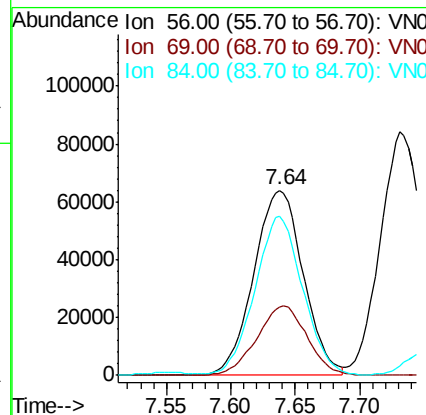
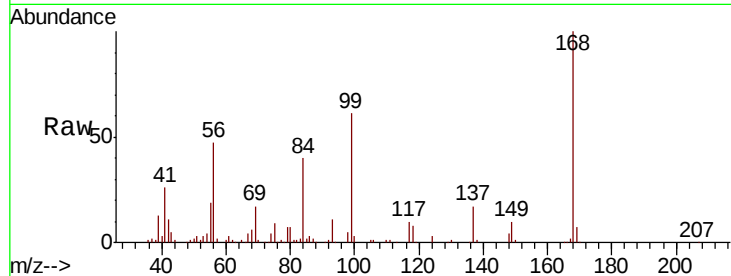
69 36.8 26.2 39.4

84 85.5 65.6 98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.039 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

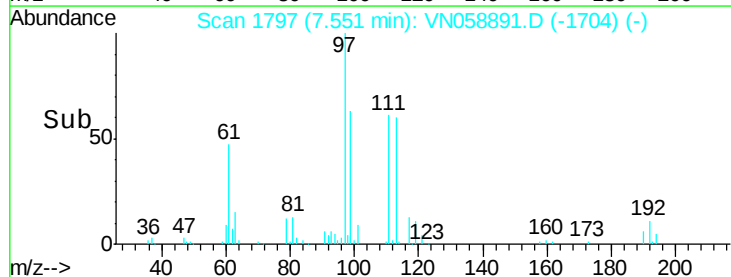
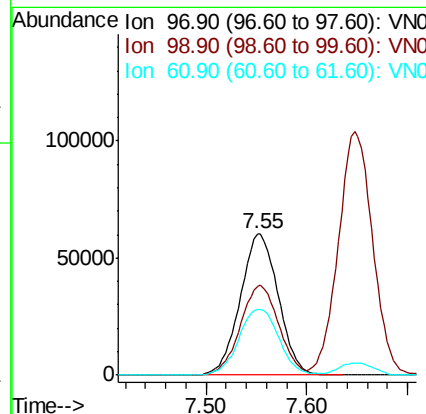
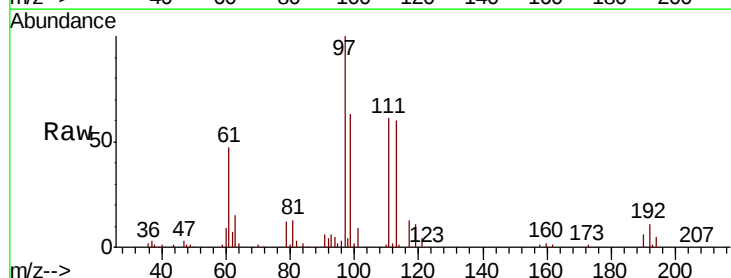
Tgt Ion: 97 Resp: 158012

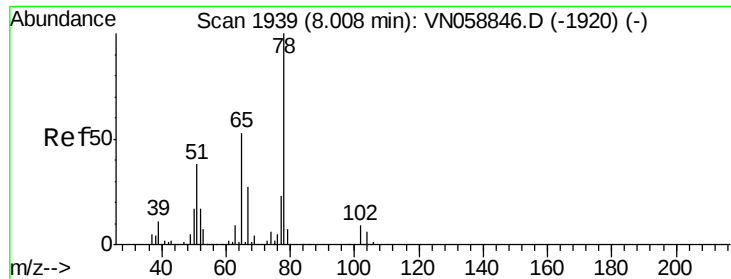
Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

61 48.9 38.6 58.0





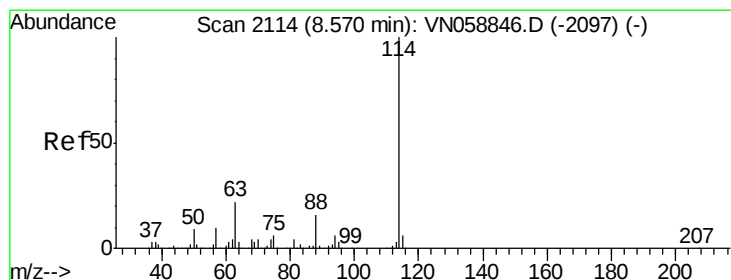
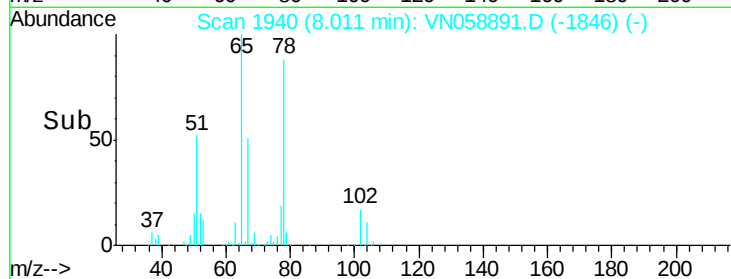
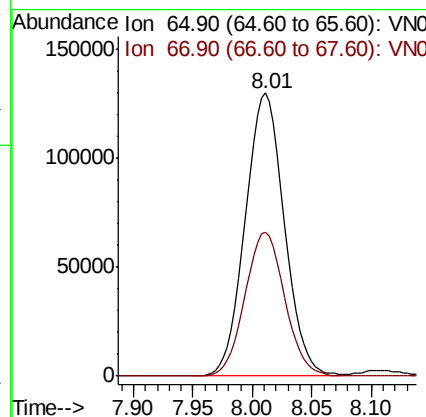
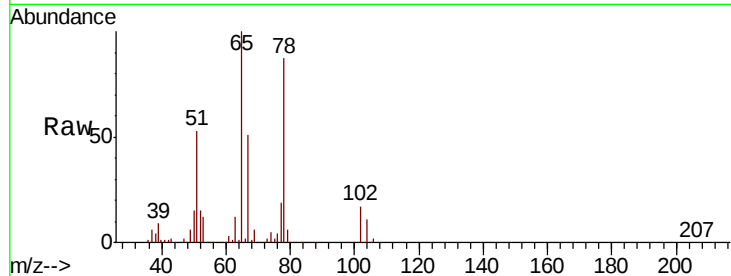
#33
 1,2-Dichloroethane-d4
 Concen: 49.075 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	296696		
67	51.7	0.0	103.2	

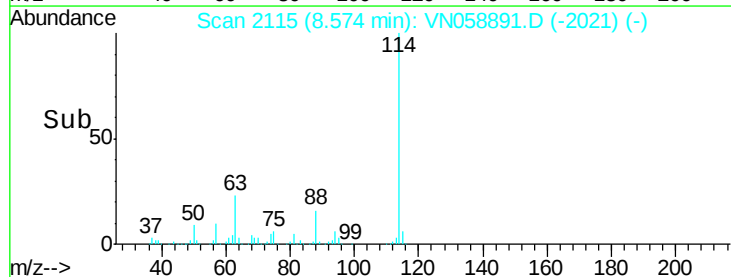
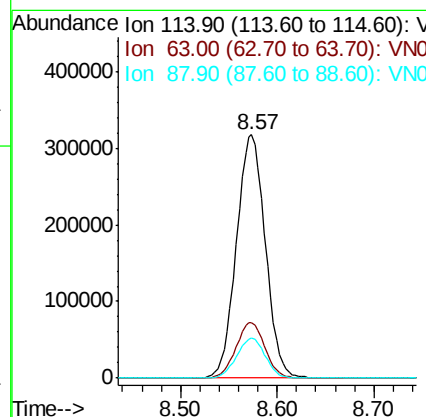
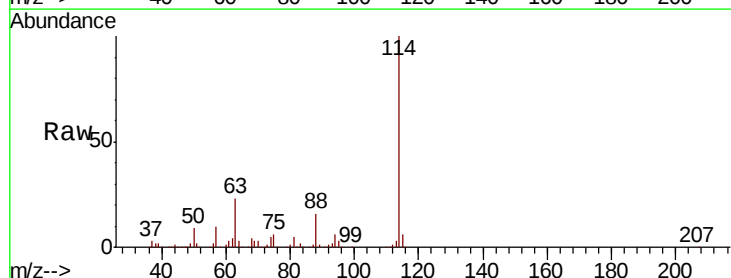
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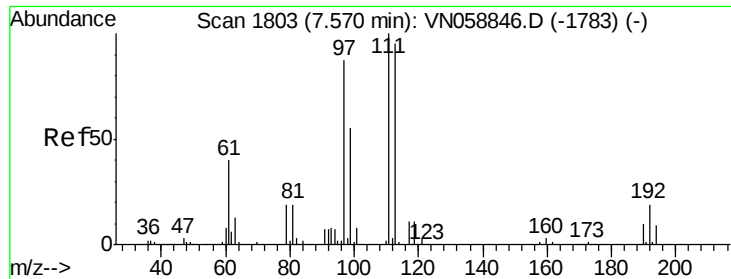
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	660010		
63	22.7	0.0	44.4	
88	16.4	0.0	31.4	





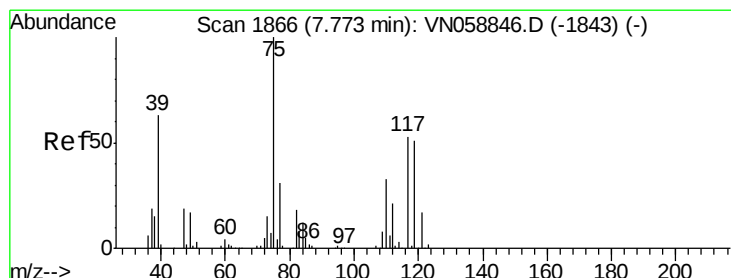
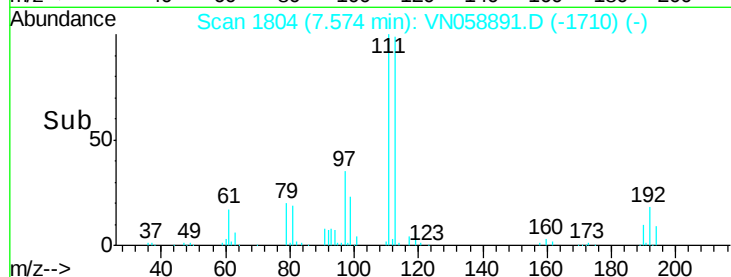
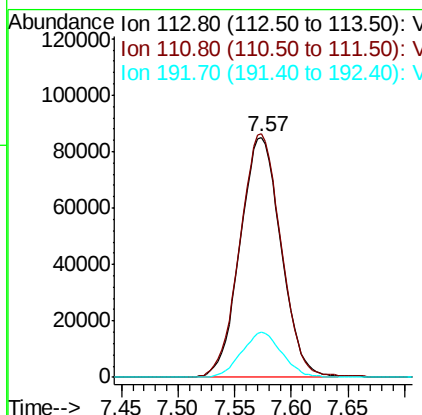
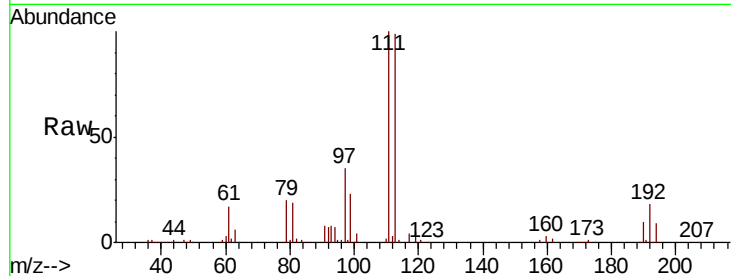
#35
 Dibromofluoromethane
 Concen: 49.284 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	82.0	123.0	
192	18.5	15.0	22.6	

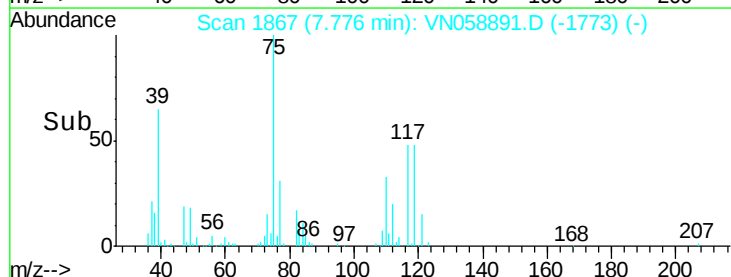
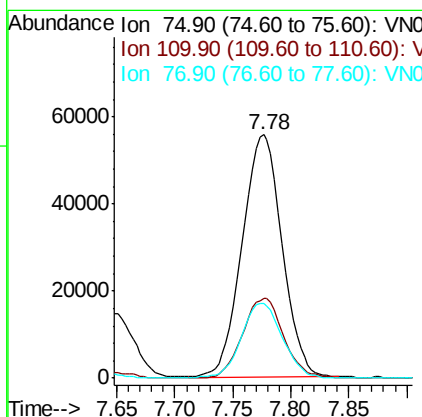
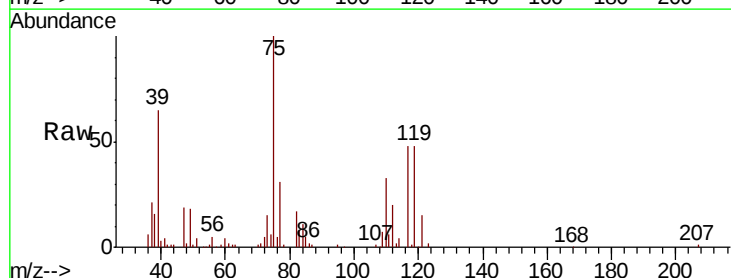
Manual Integrations
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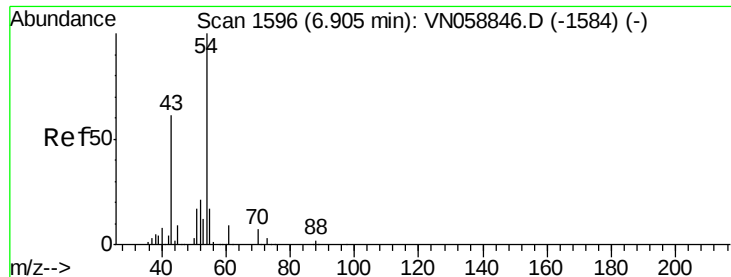
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#36
 1,1-Dichloropropene
 Concen: 19.779 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.7	16.3	48.9	
77	31.8	24.6	36.8	





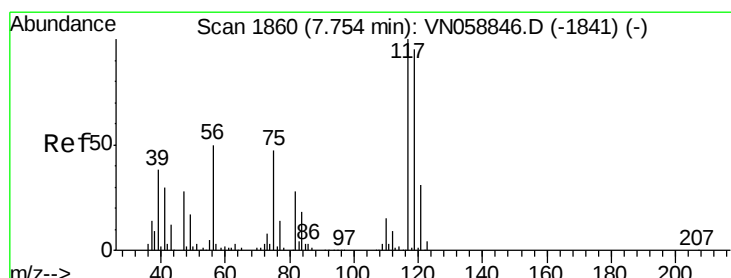
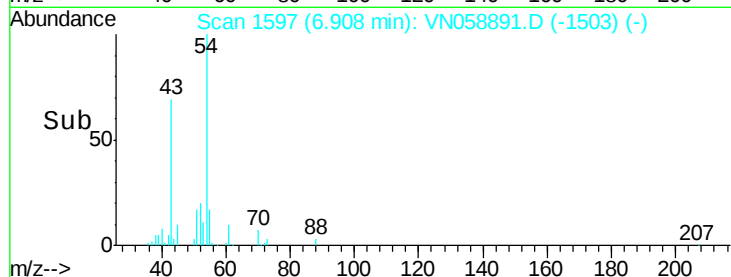
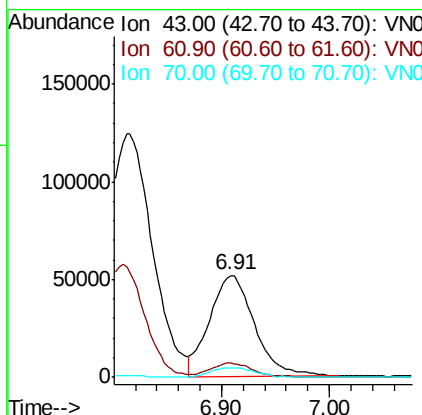
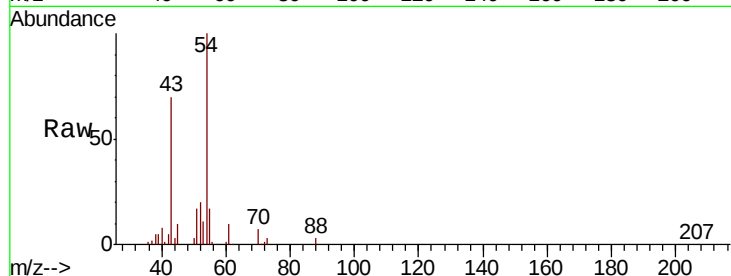
#37
Ethyl Acetate
Concen: 20.164 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.9	7.6	11.4

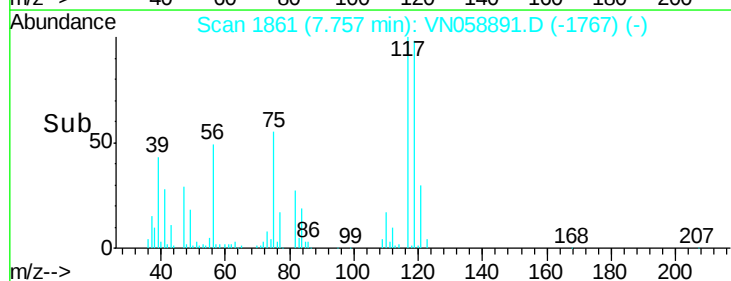
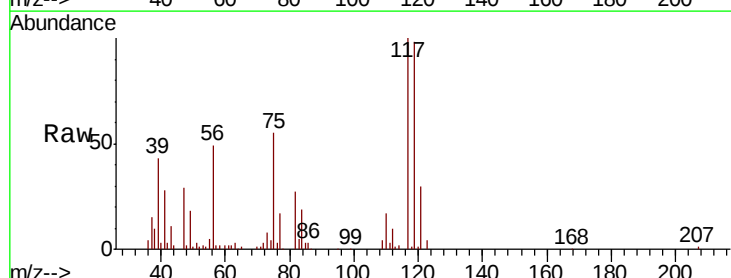
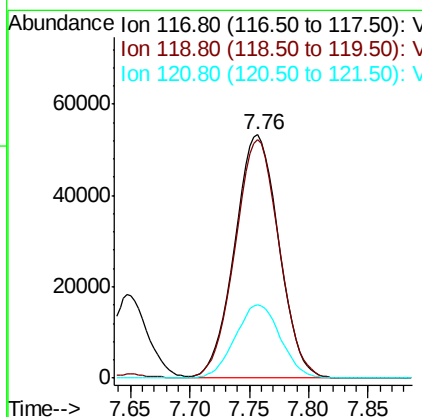
Manual Integrations
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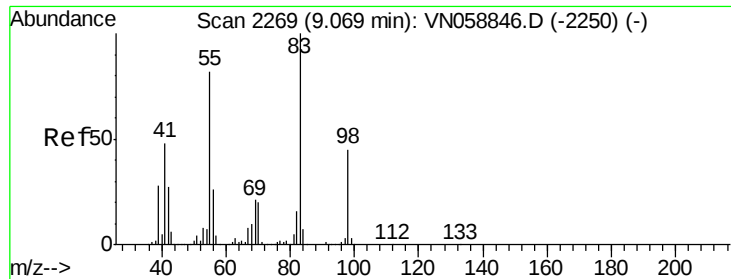
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#38
Carbon Tetrachloride
Concen: 19.715 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.7	113.5
121	29.9	25.0	37.6





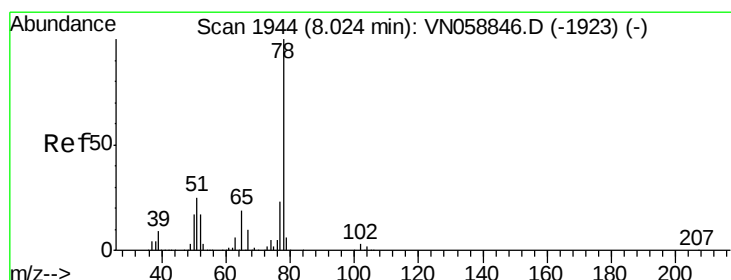
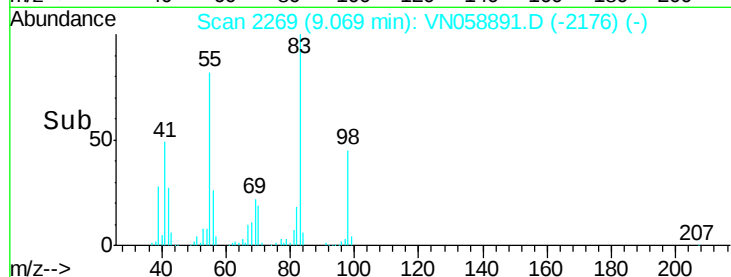
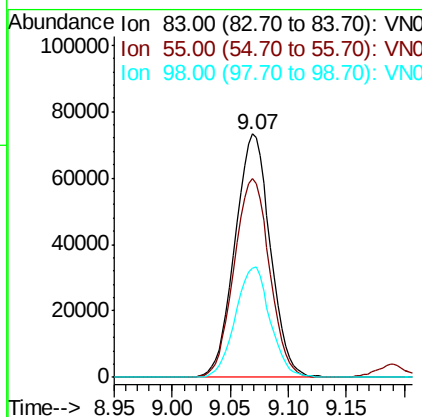
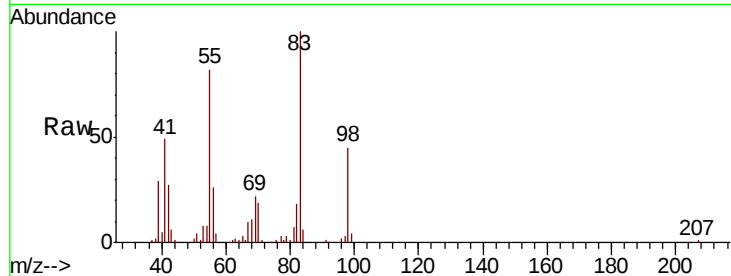
#39
Methvlcvclohexane
Concen: 20.413 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	65.5	98.3
98	45.1	35.7	53.5

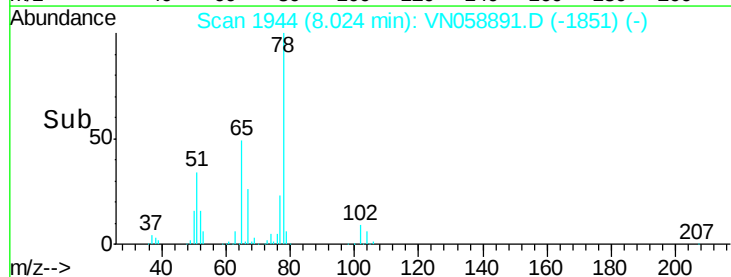
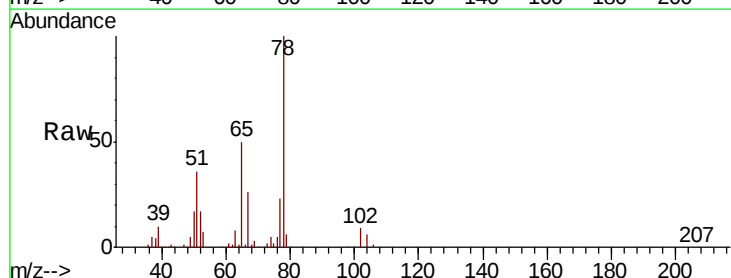
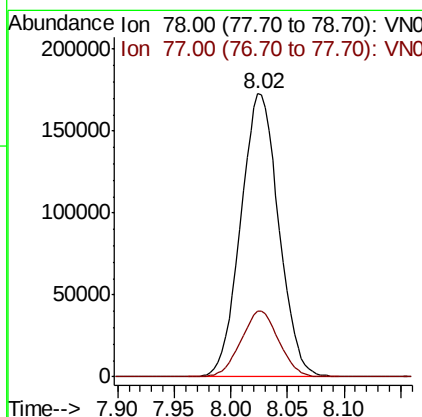
Manual Integrations
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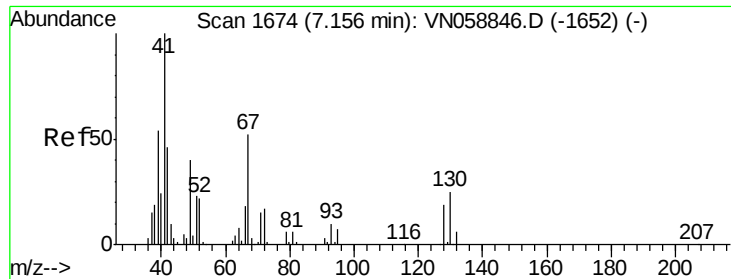
MMDadoda
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#40
Benzene
Concen: 20.356 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.2	27.2





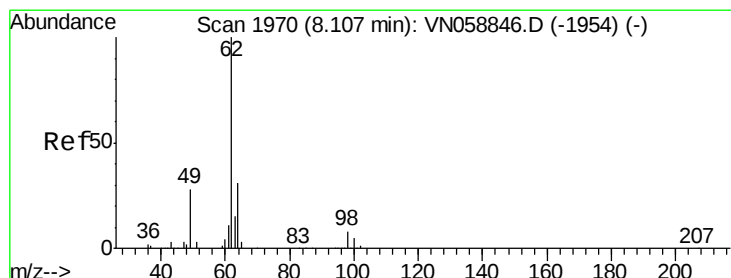
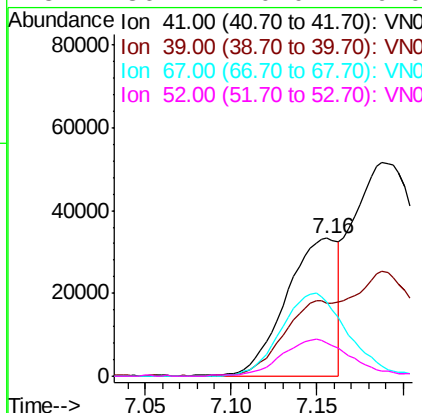
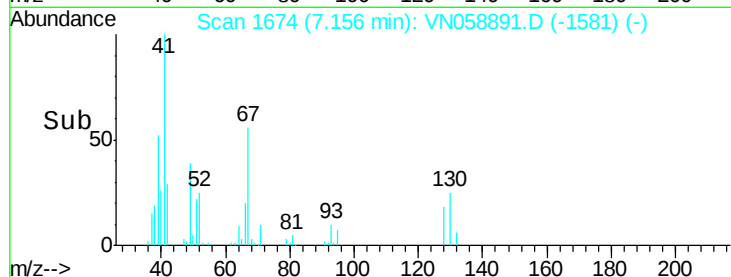
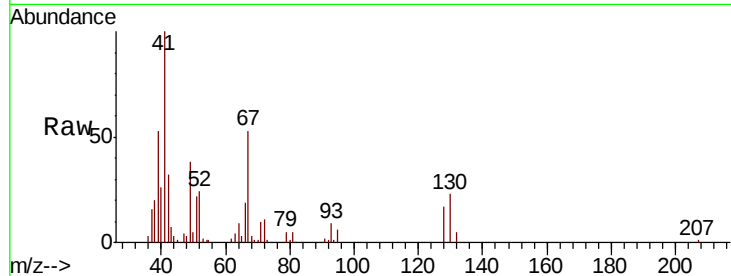
#41
Methacrylonitrile
Concen: 21.383 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.8	0.0	0.0#
67	77.6	0.0	0.0#
52	36.1	0.0	0.0#

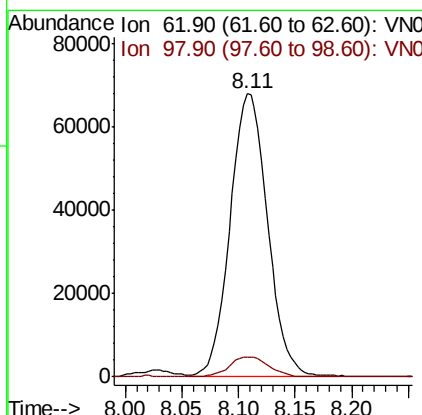
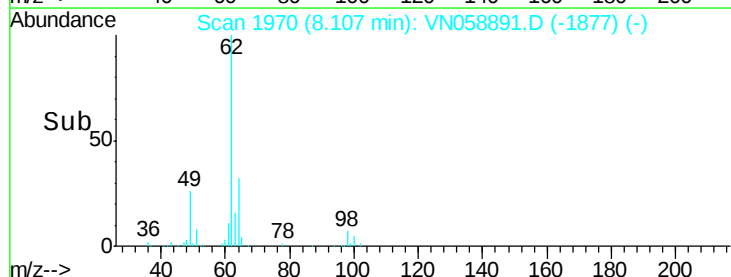
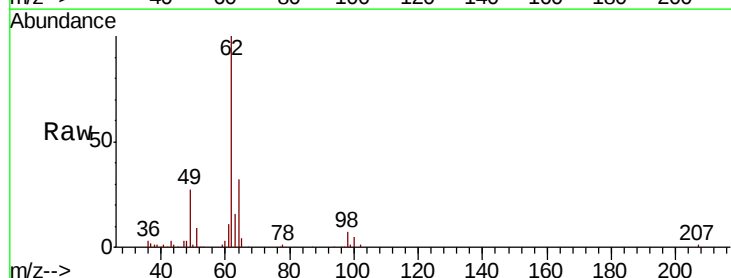
Manual Integrations
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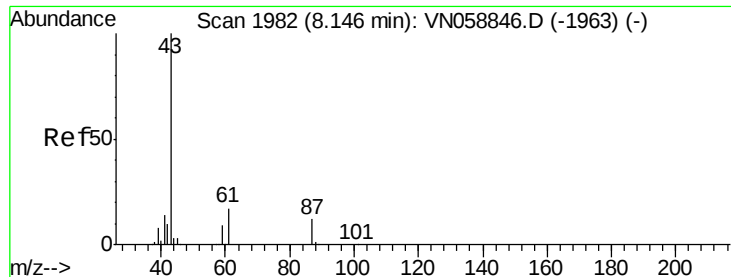
MMDadoda
10/22/2019 4:55:38 PM



#42
1,2-Dichloroethane
Concen: 20.373 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	16.2





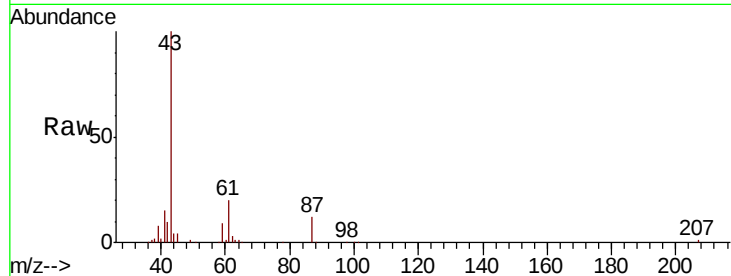
#43
Isopropyl Acetate
Concen: 19.971 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	20.2	30.2#
87	11.8	9.5	14.3

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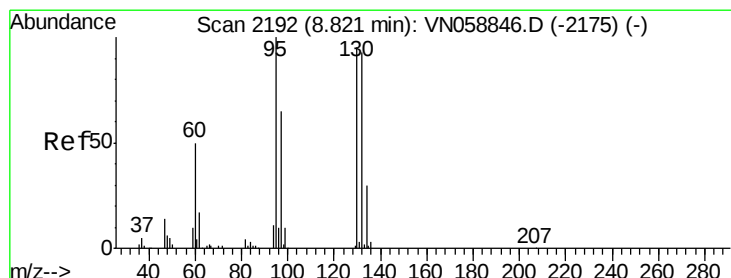
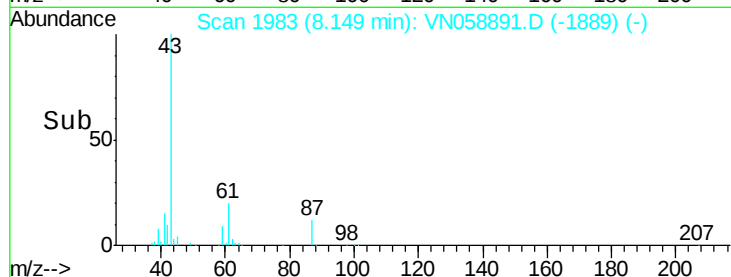
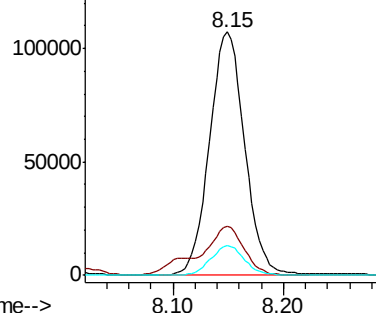


Abundance

Ion 43.00 (42.70 to 43.70): VN058891.D (-1889) (-)

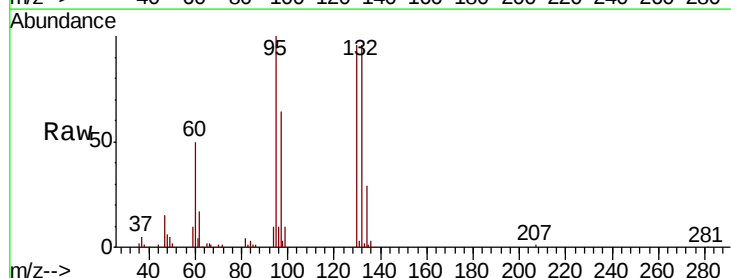
Ion 61.00 (60.70 to 61.70): VN058891.D (-1889) (-)

Ion 87.00 (86.70 to 87.70): VN058891.D (-1889) (-)



#44
Trichloroethene
Concen: 20.086 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

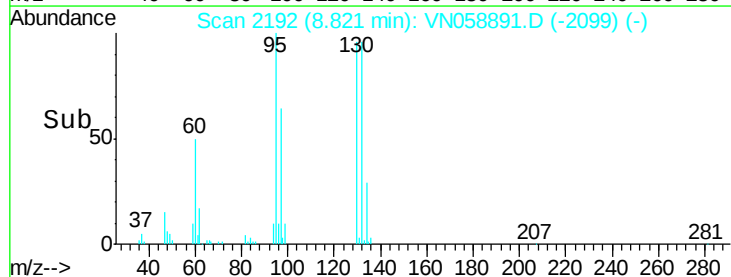
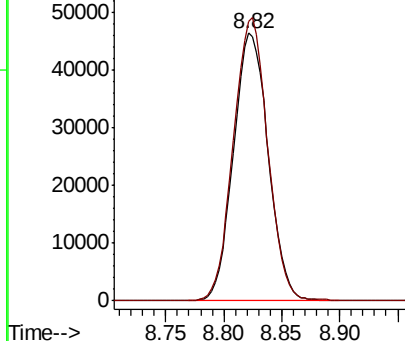
Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	209.6

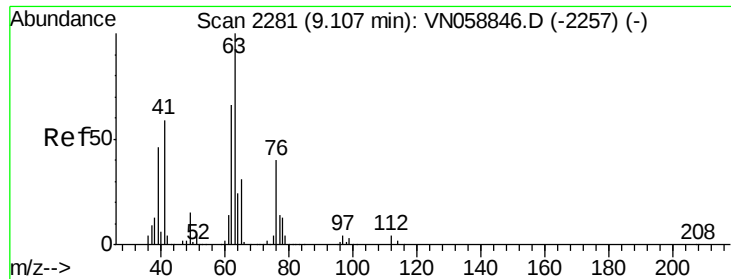


Abundance

Ion 129.80 (129.50 to 130.50): VN058891.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN058891.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 20.205 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 63 Resp: 109936

Ion Ratio Lower Upper

63 100

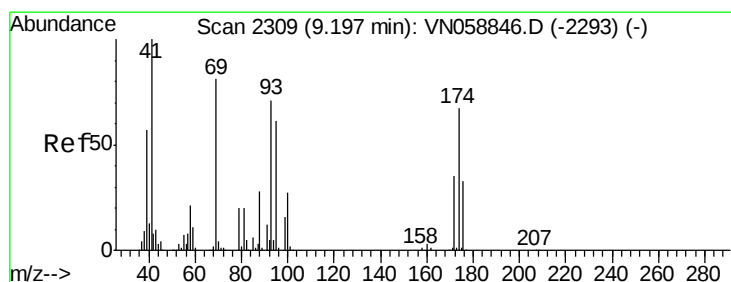
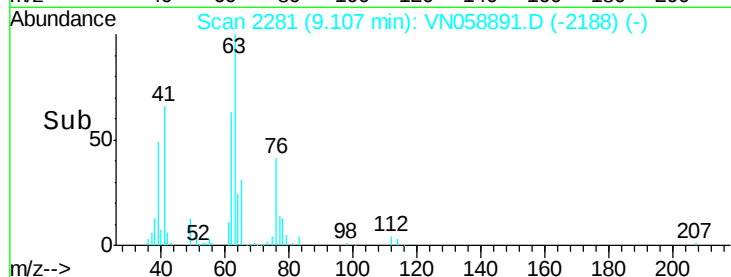
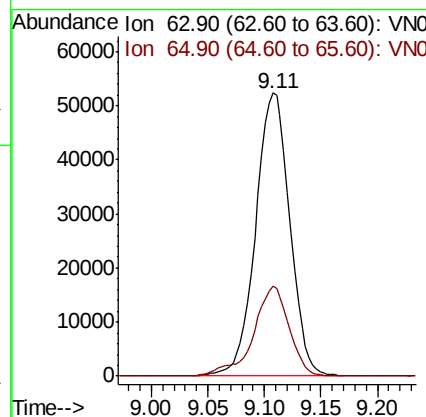
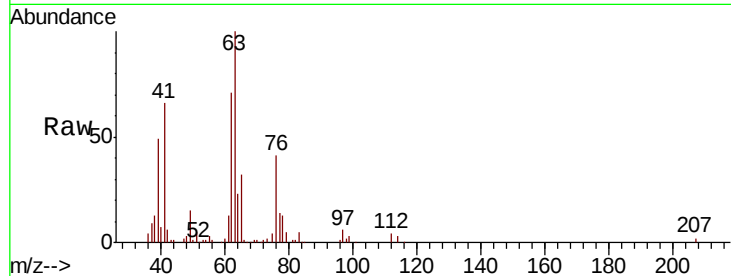
65 31.7 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 20.058 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

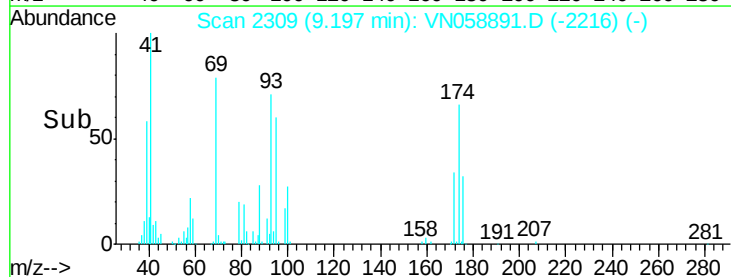
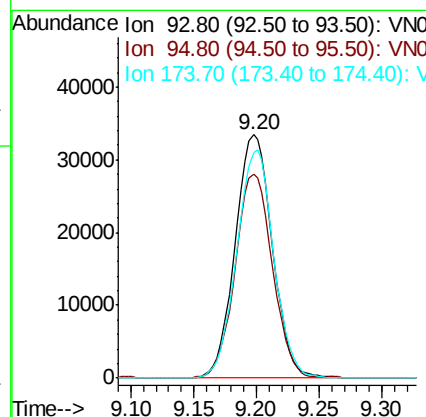
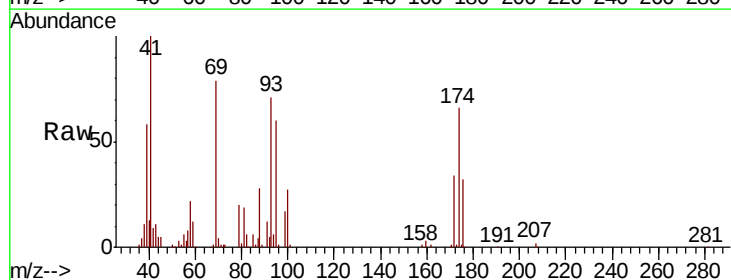
Tgt Ion: 93 Resp: 68993

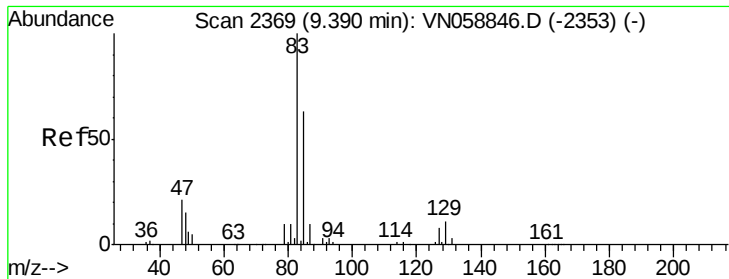
Ion Ratio Lower Upper

93 100

95 84.2 67.6 101.4

174 93.3 74.1 111.1





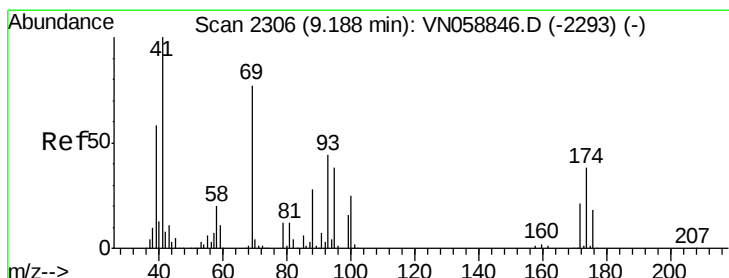
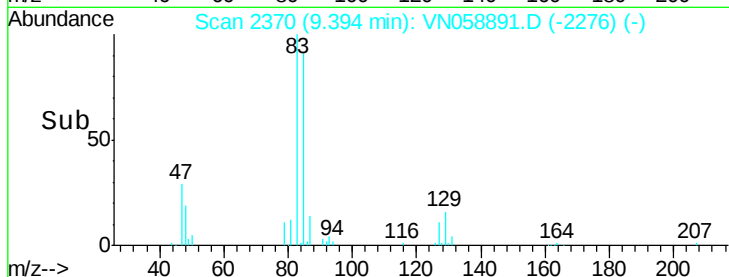
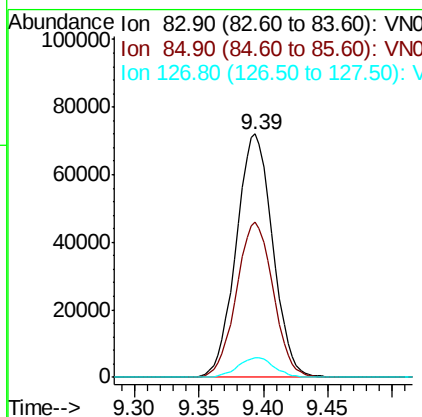
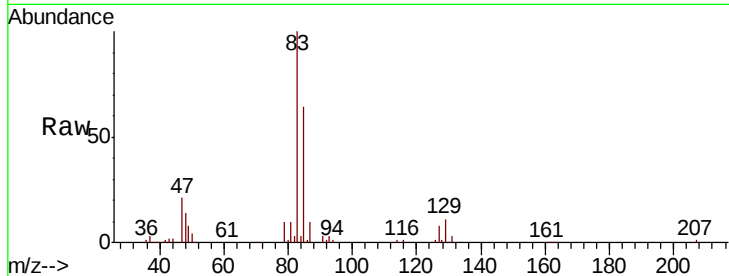
#47
Bromodichloromethane
Concen: 20.030 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	83	Resp	142000
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	50.6	75.8
127	8.0	6.5	9.7

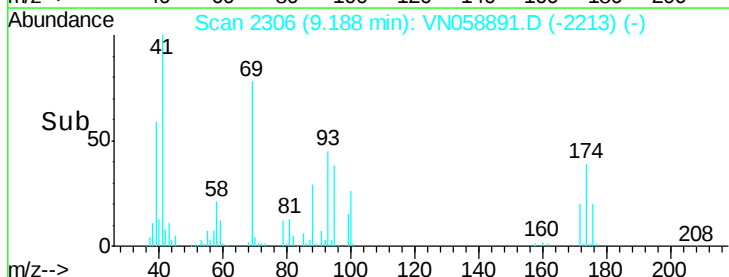
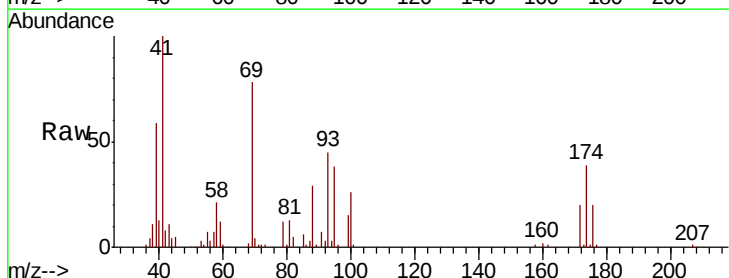
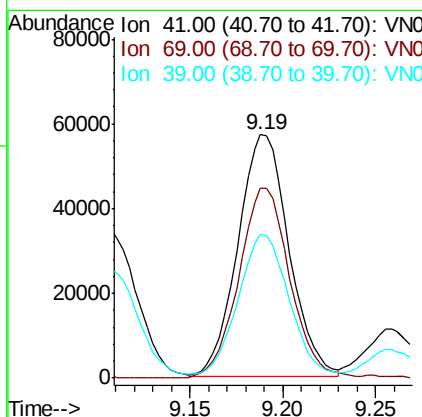
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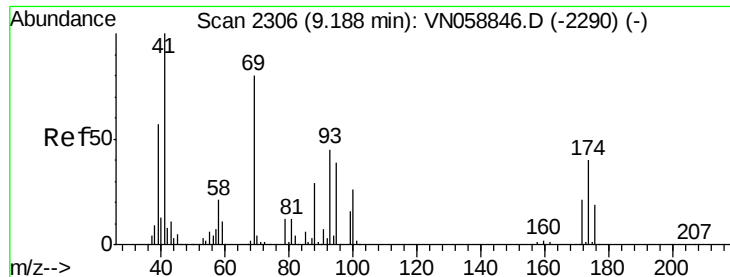
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#48
Methyl methacrylate
Concen: 20.496 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	41	Resp	109807
Ion Ratio	100	Lower	Upper
41	100		
69	78.4	63.8	95.6
39	56.9	47.8	71.8





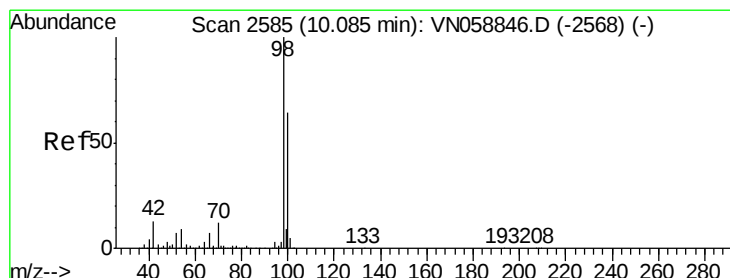
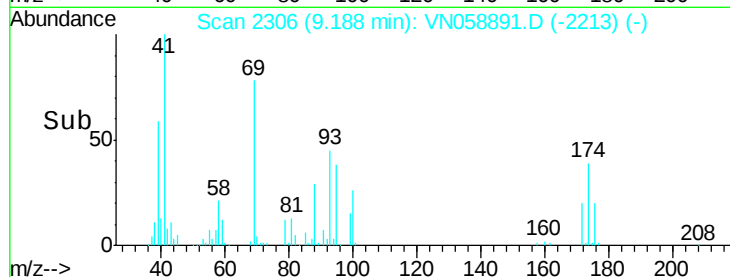
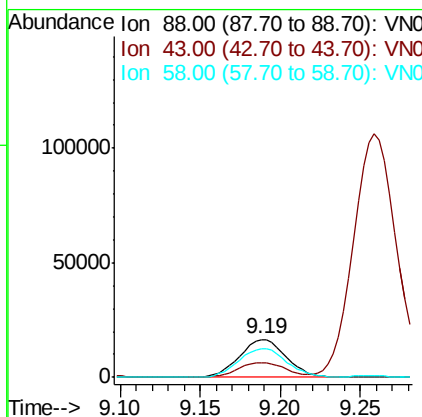
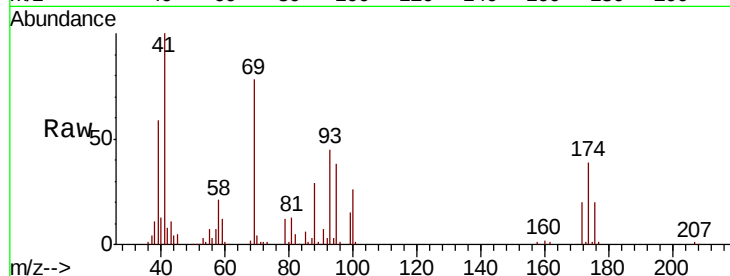
#49
1,4-Dioxane
Concen: 377.303 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	29.1	43.7
58	78.3	59.4	89.0

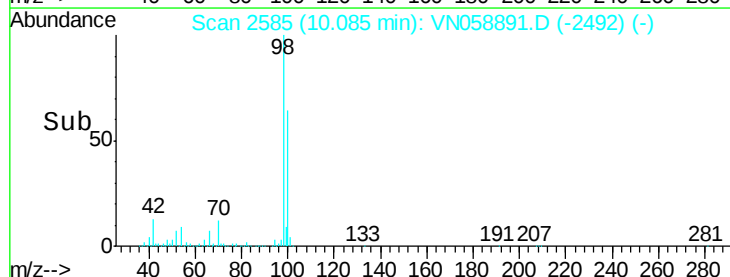
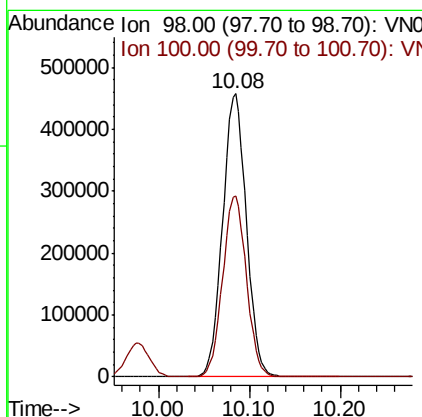
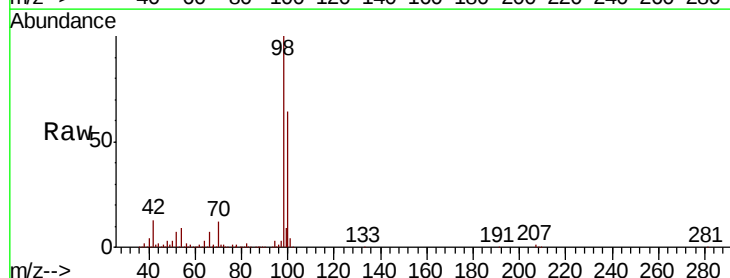
Manual Integrations
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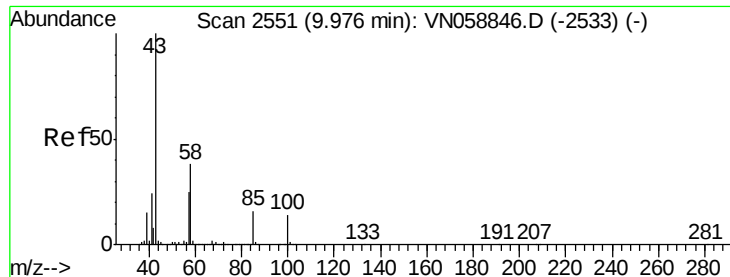
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#50
Toluene-d8
Concen: 49.250 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 108.237 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 43 Resp: 746519

Ion Ratio Lower Upper

43 100

58 36.9

29.9

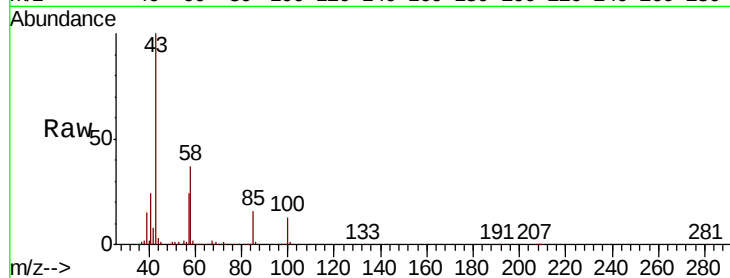
44.9

Manual Integrations

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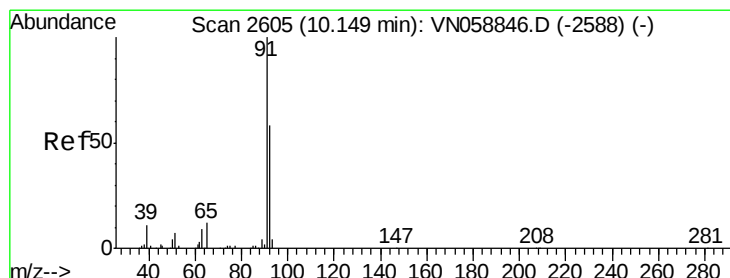
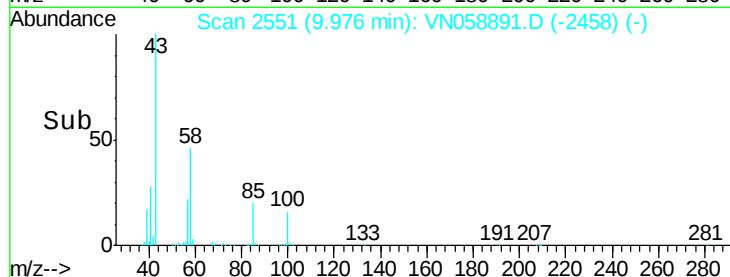
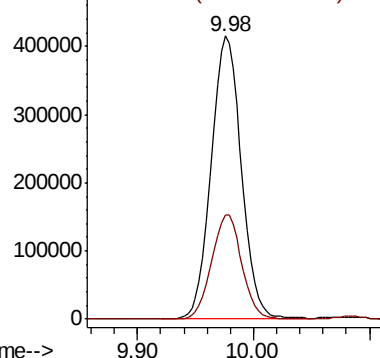
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.683 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion: 92 Resp: 243369

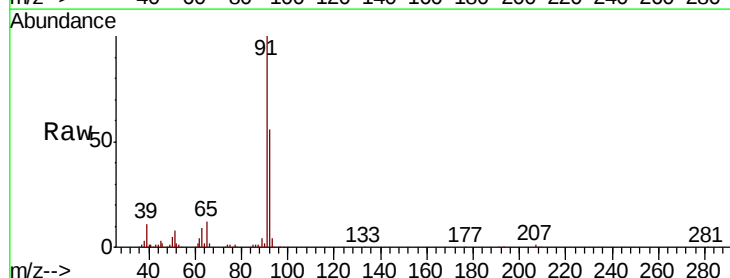
Ion Ratio Lower Upper

92 100

91 176.0

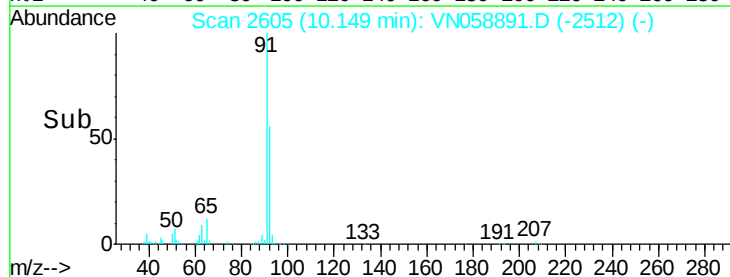
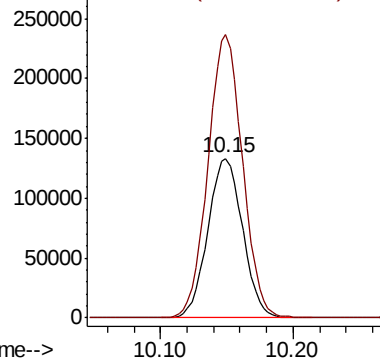
138.9

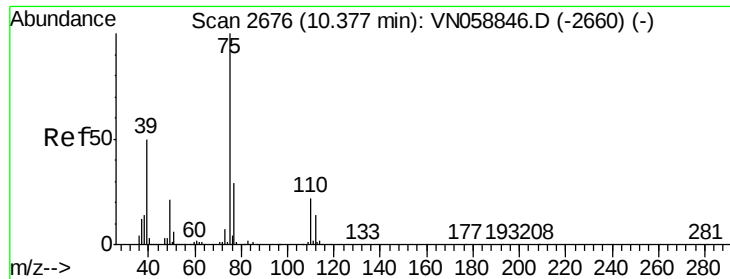
208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.928 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 75 Resp: 156396

Ion Ratio Lower Upper

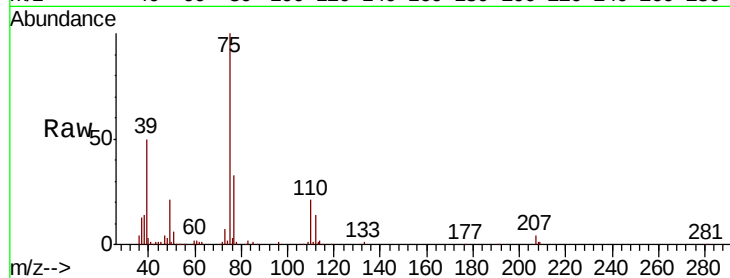
75 100

77 31.6 25.7 38.5

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

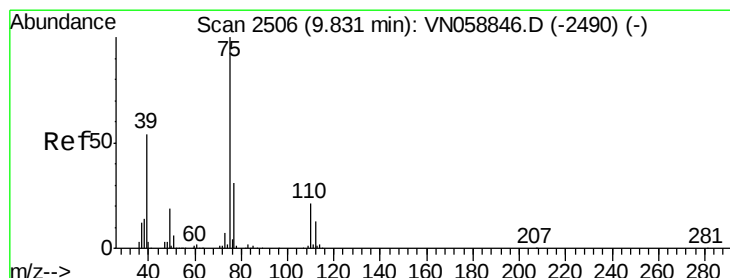
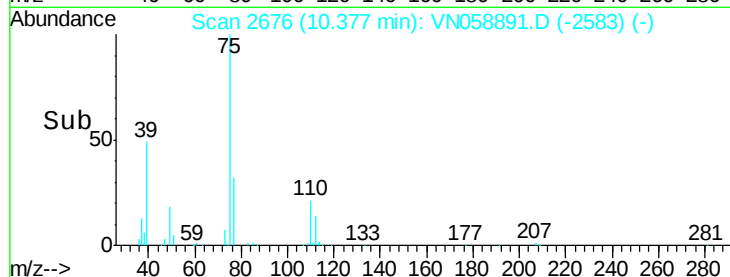
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.982 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

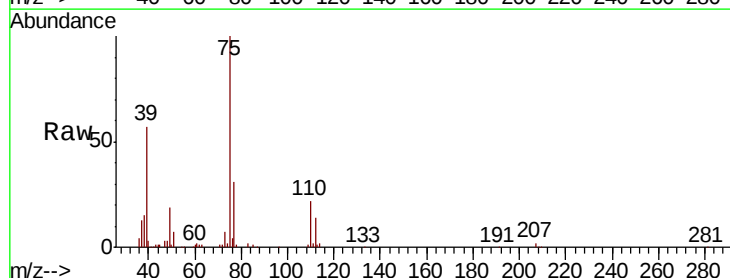
Tgt Ion: 75 Resp: 167547

Ion Ratio Lower Upper

75 100

77 31.4 24.7 37.1

39 57.3 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

120000

100000

80000

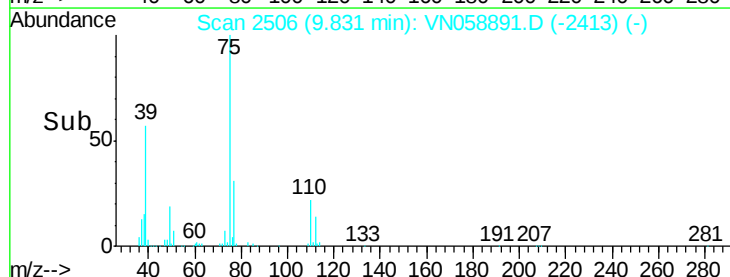
60000

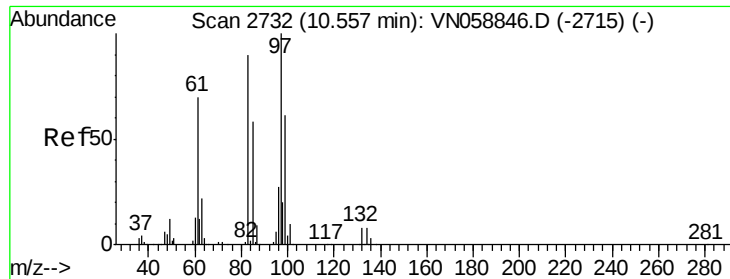
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.091 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

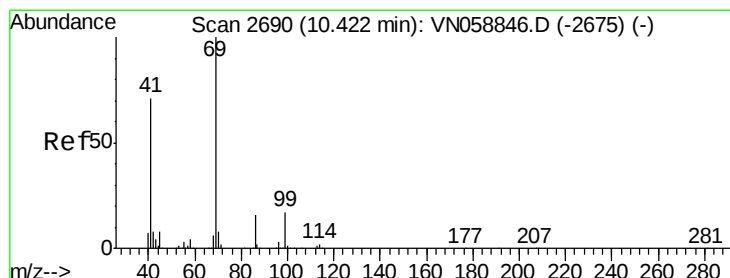
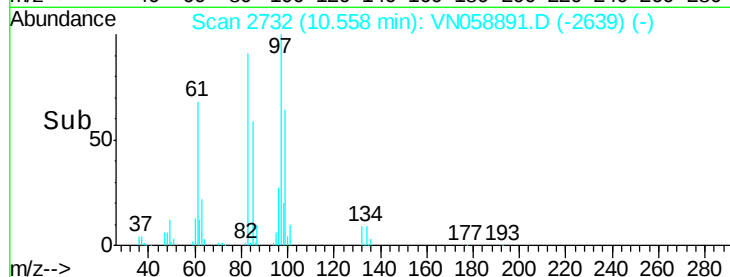
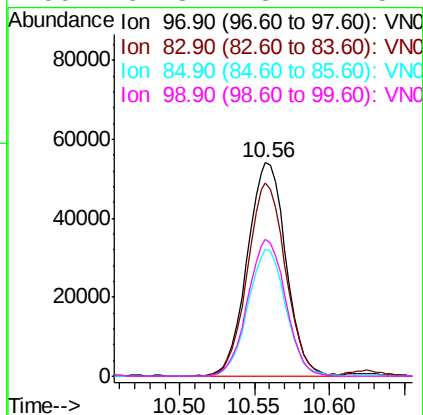
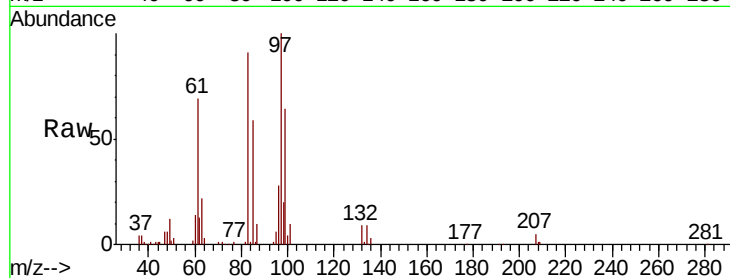
ClientSampleId :

VN1021MBS01

Tot Ion:	97	Resp:	97389
Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.2	108.4
85	59.3	46.2	69.2
99	64.3	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.142 ug/l

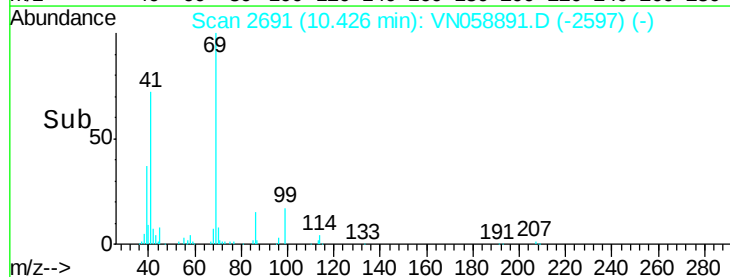
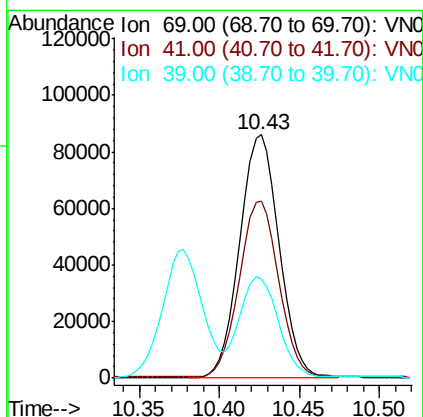
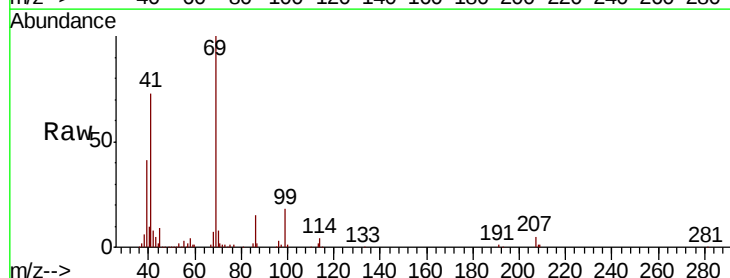
RT: 10.43 min Scan# 2691

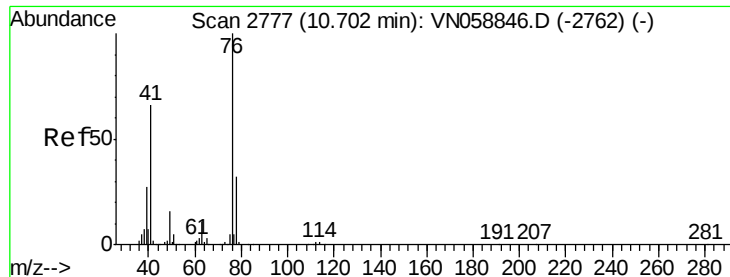
Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion:	69	Resp:	144859
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.2	85.8
39	40.4	31.0	46.4





#57

1,3-Dichloropropane

Concen: 20.262 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 76 Resp: 172381

Ion Ratio Lower Upper

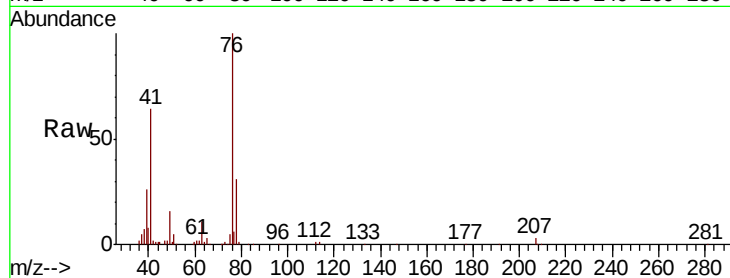
76 100

78 31.8 25.4 38.0

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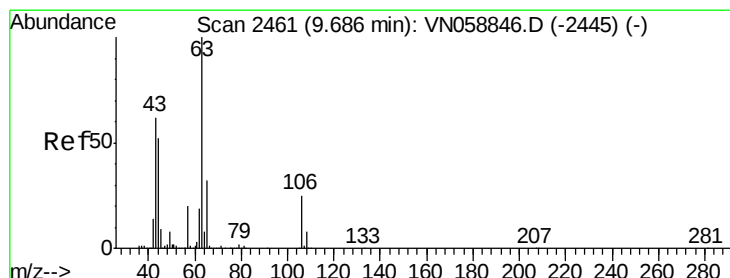
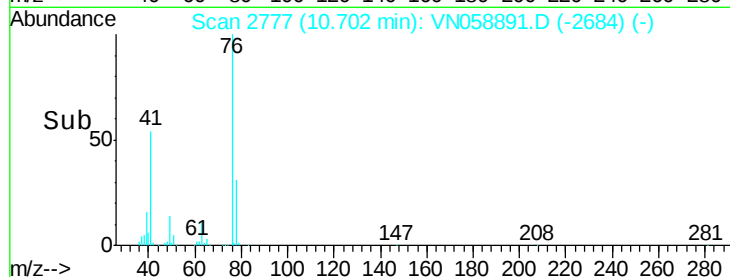
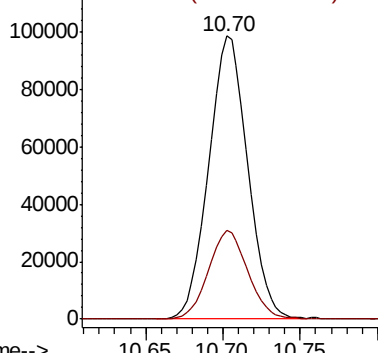
MMDadoda

10/22/2019 4:55:38 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.674 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058891.D

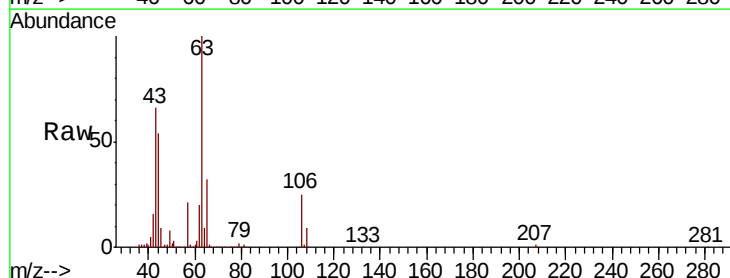
Acq: 21 Oct 2019 16:13

Tgt Ion: 63 Resp: 313142

Ion Ratio Lower Upper

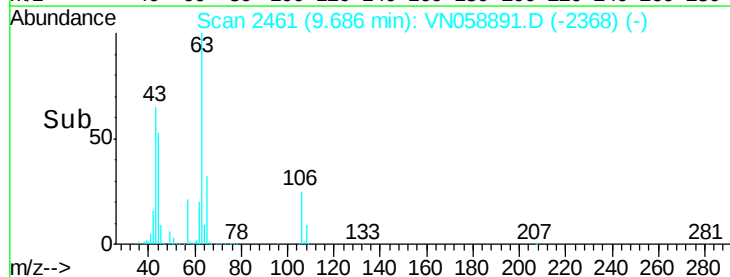
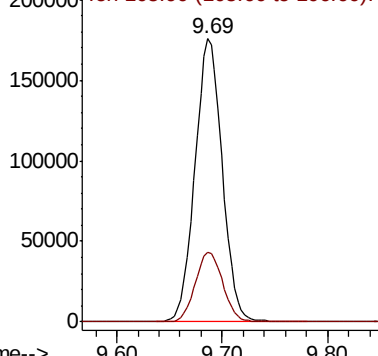
63 100

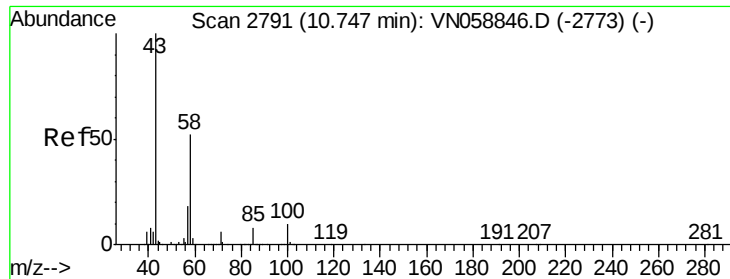
106 24.9 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





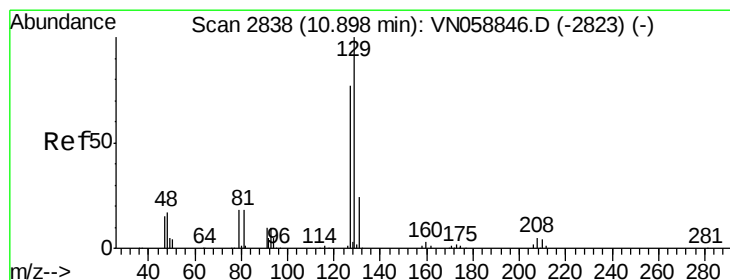
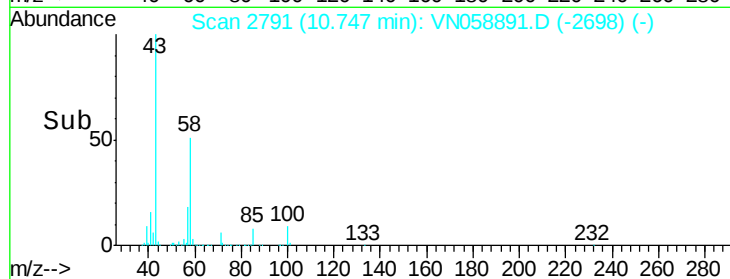
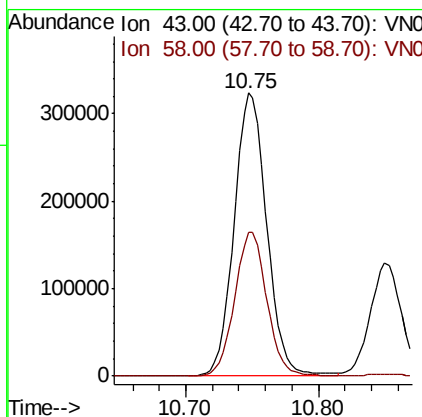
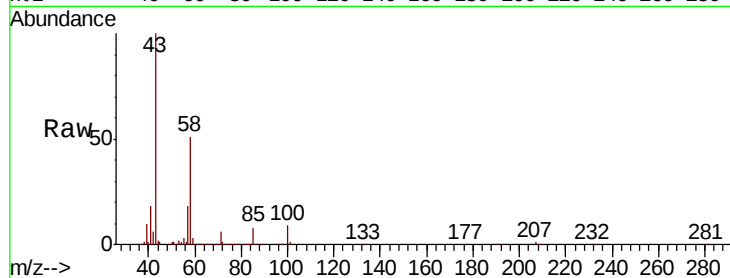
#59
2-Hexanone
Concen: 102.915 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion: 43 Resp: 548495
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.7

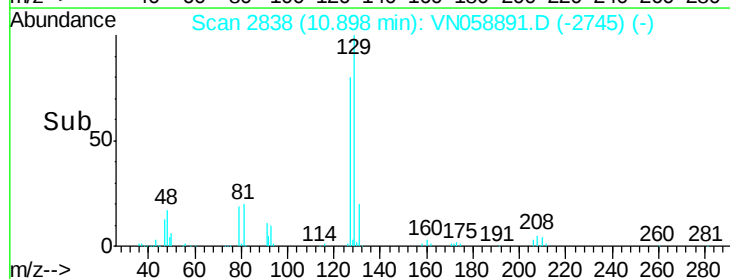
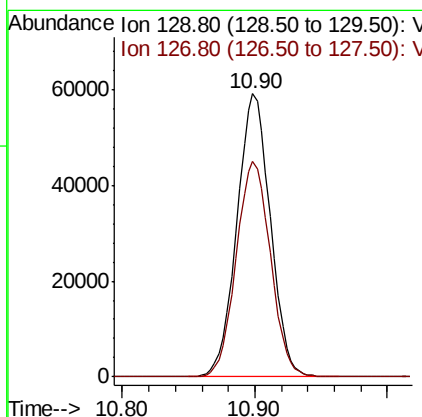
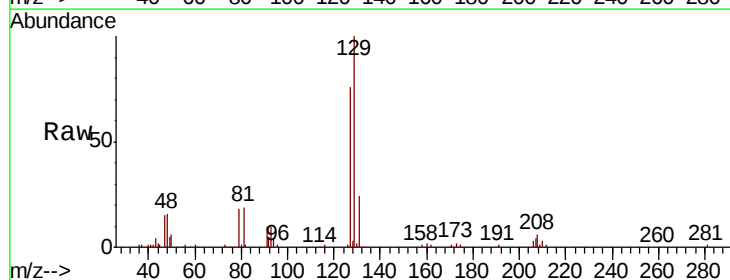
Manual Integrations
APPROVED

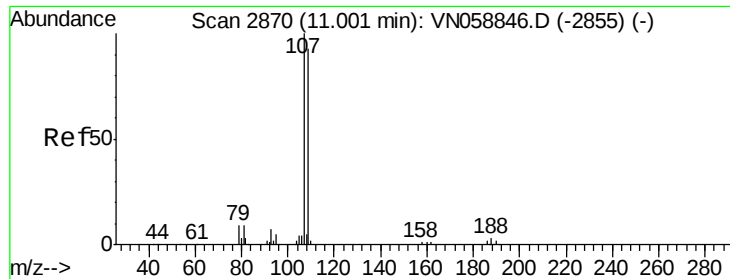
MMDadoda
10/22/2019 4:55:38 PM



#60
Dibromochloromethane
Concen: 19.898 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion: 129 Resp: 103819
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.3





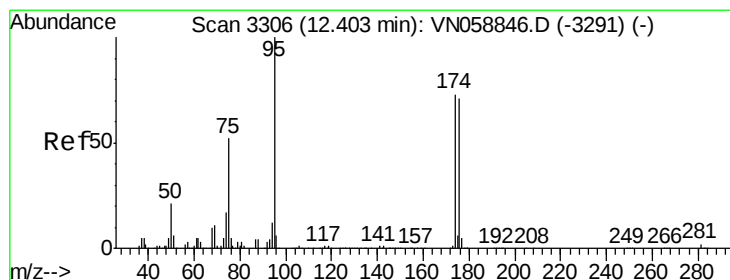
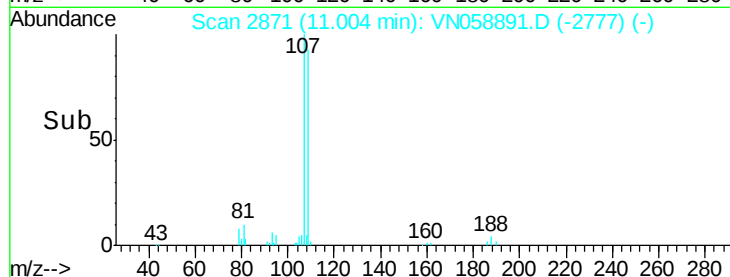
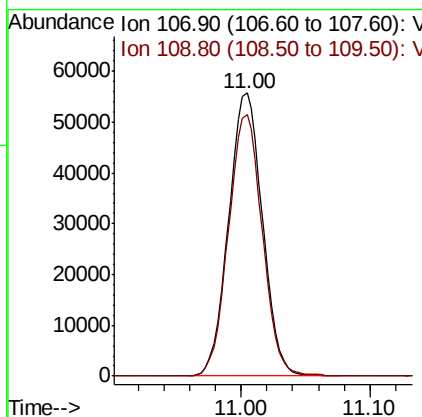
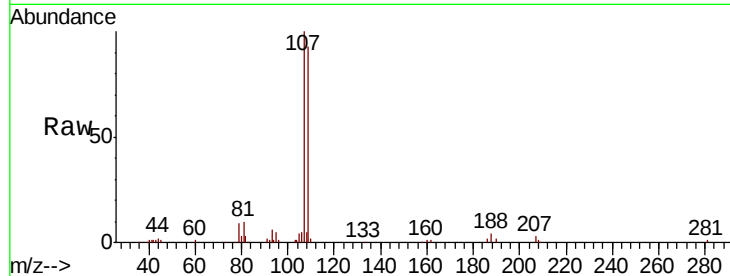
#61
 1,2-Dibromoethane
 Concen: 20.465 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.2	112.8

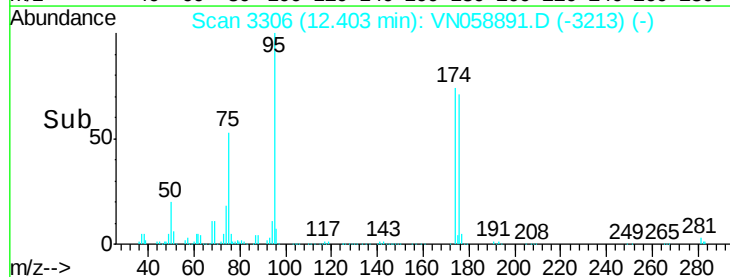
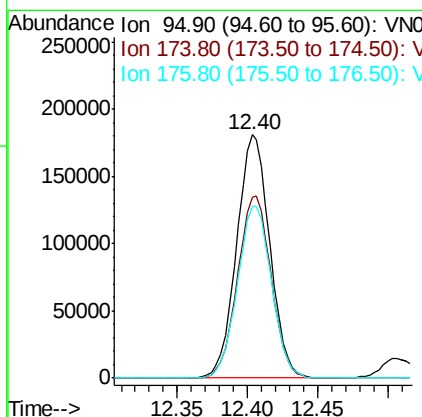
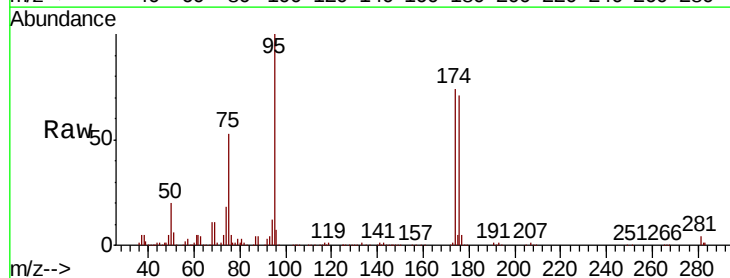
Manual Integrations
 APPROVED

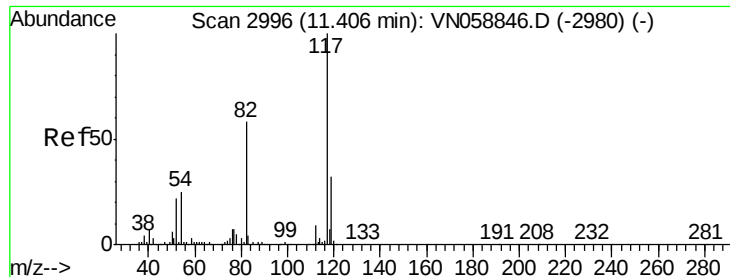
MMDadoda
 10/22/2019 4:55:38 PM



#62
 4-Bromofluorobenzene
 Concen: 48.040 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	147.6
176	73.0	0.0	143.2





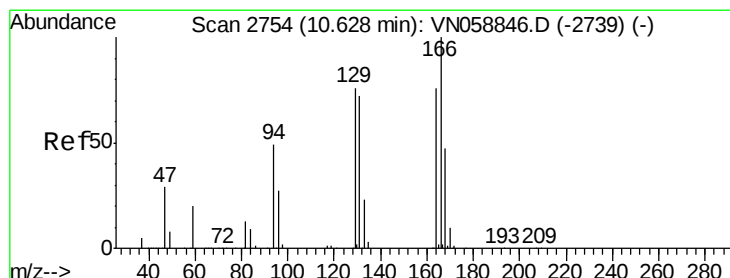
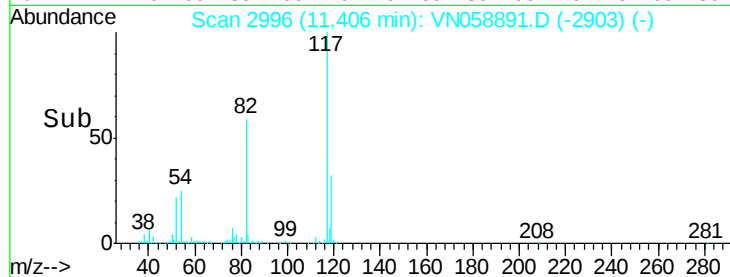
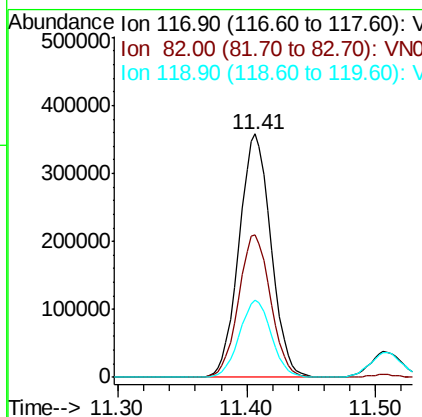
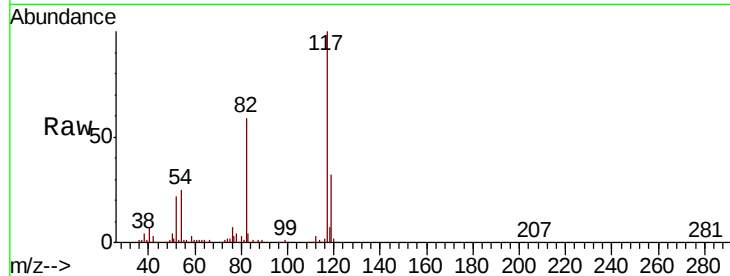
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.6	69.8
119	31.6	25.6	38.4

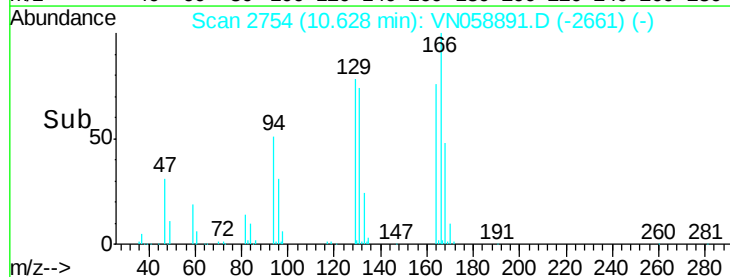
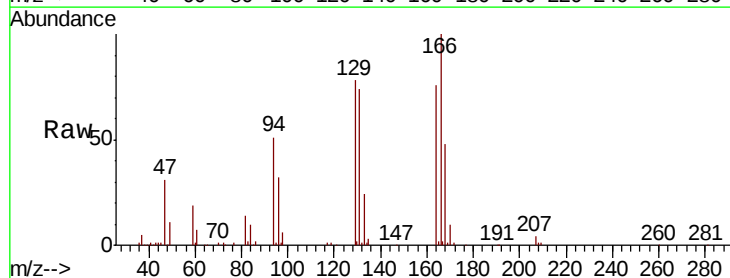
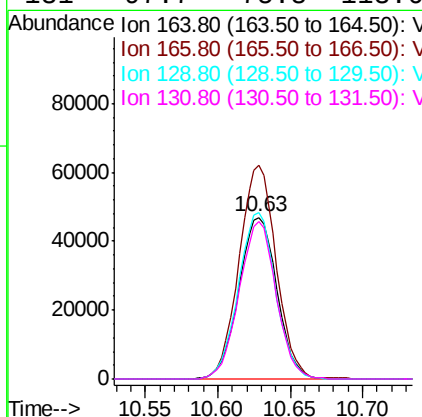
Manual Integrations
APPROVED

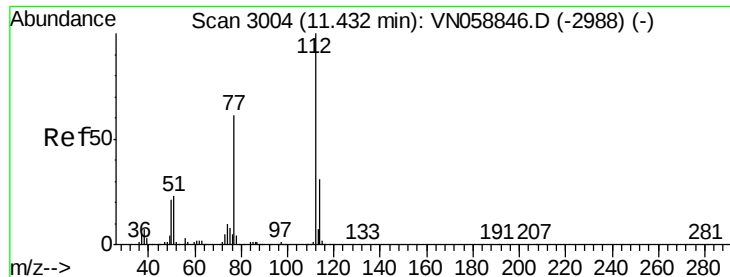
MMDadoda
10/22/2019 4:55:38 PM



#64
Tetrachloroethene
Concen: 19.911 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	104.8	157.2
129	102.8	79.3	118.9
131	97.7	75.8	113.6





#65

Chlorobenzene

Concen: 20.251 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion:112 Resp: 254317

Ion Ratio Lower Upper

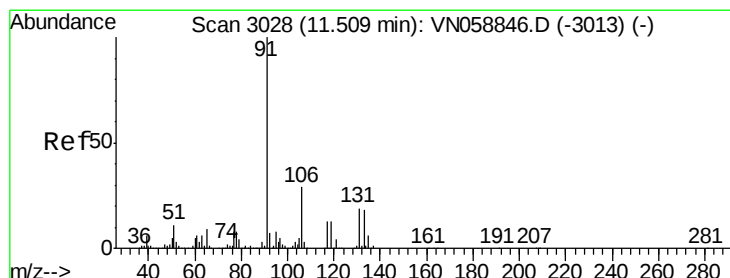
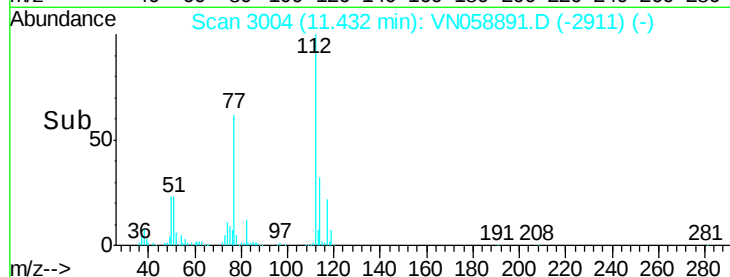
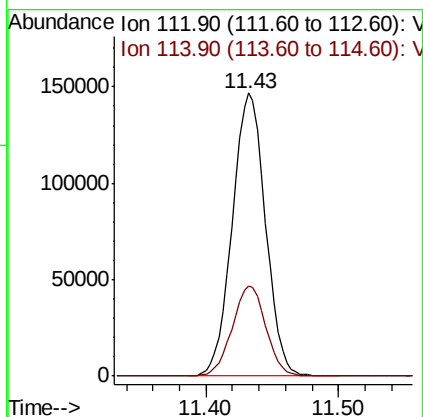
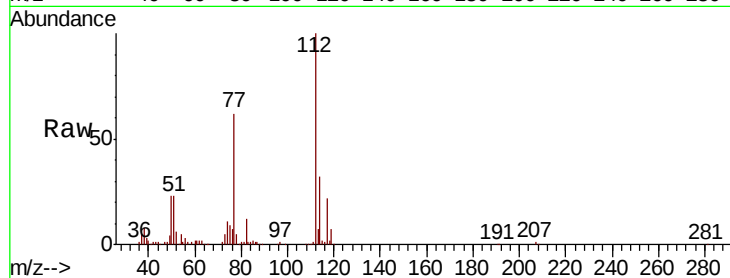
112 100

114 32.1 25.1 37.7

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.440 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

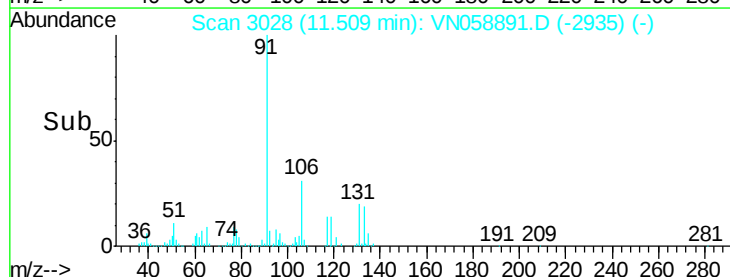
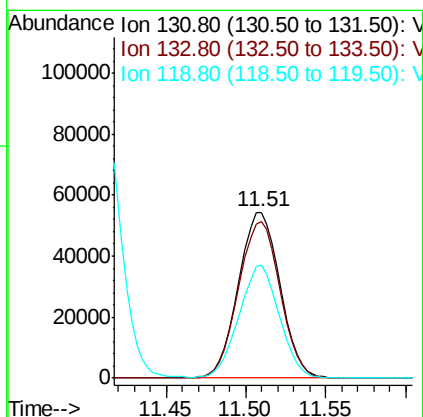
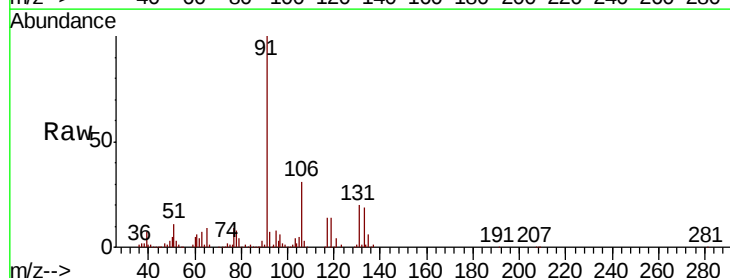
Tgt Ion:131 Resp: 96864

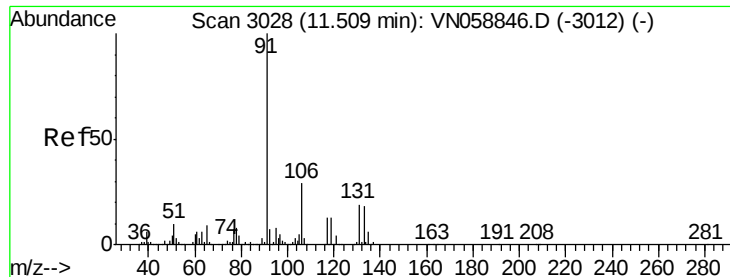
Ion Ratio Lower Upper

131 100

133 94.6 48.4 145.2

119 66.1 33.6 100.8





#67

Ethyl Benzene

Concen: 21.111 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 91 Resp: 465079

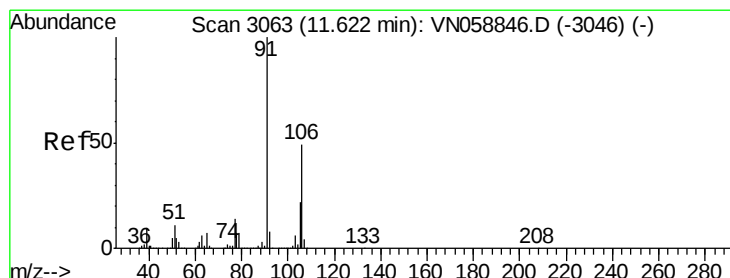
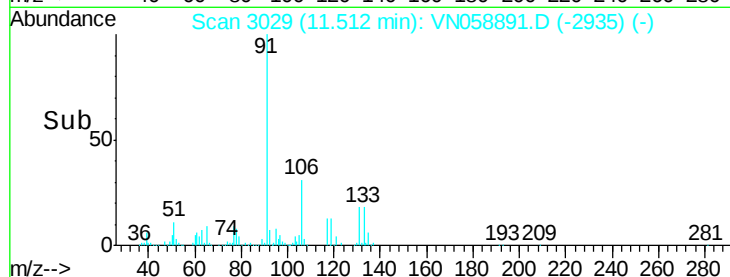
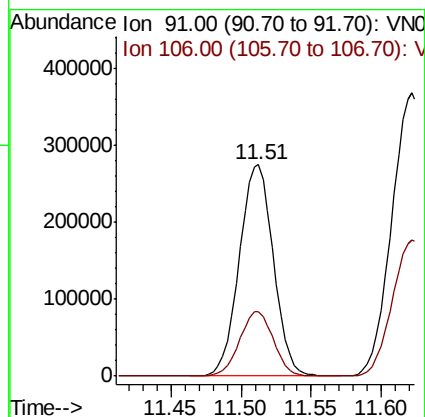
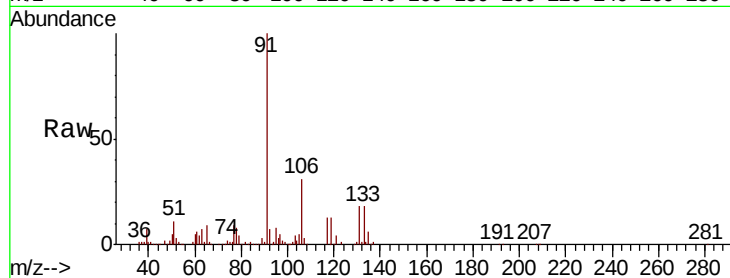
Ion Ratio Lower Upper

91 100

106 30.7 23.4 35.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.899 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058891.D

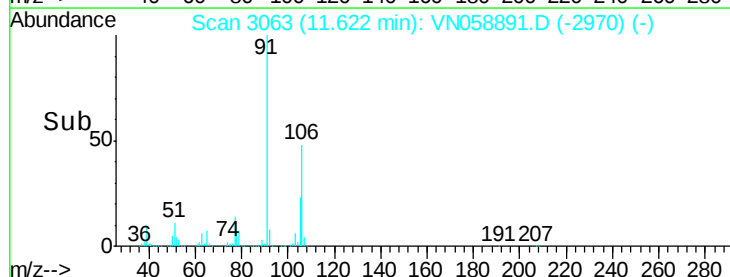
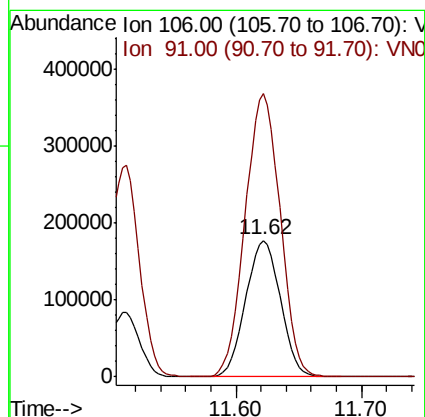
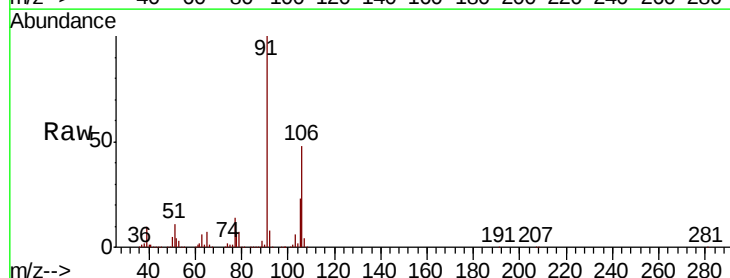
Acq: 21 Oct 2019 16:13

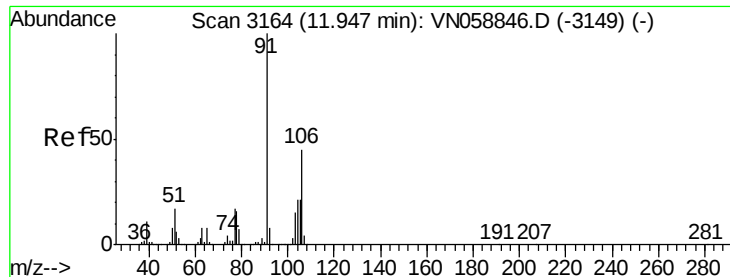
Tgt Ion: 106 Resp: 342302

Ion Ratio Lower Upper

106 100

91 209.1 166.6 249.8





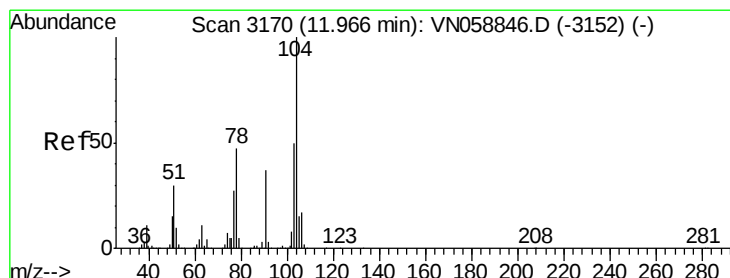
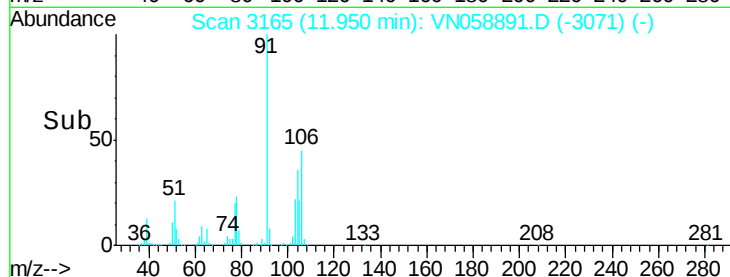
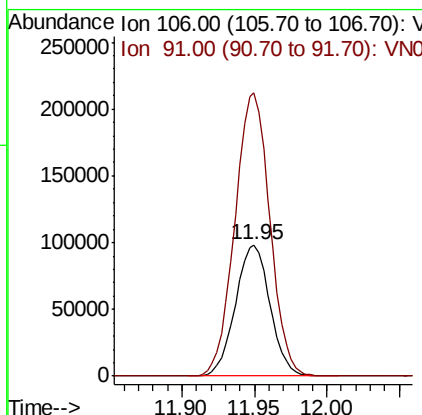
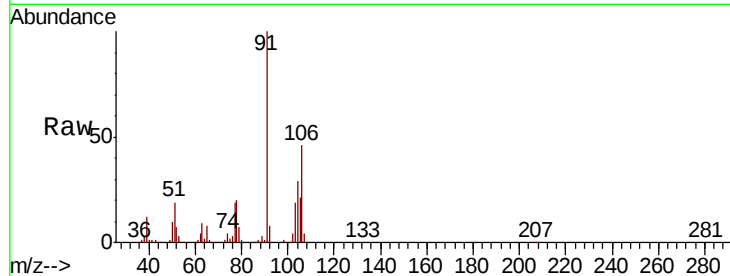
#69
o-Xylene
Concen: 20.861 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.7	111.5	334.4	

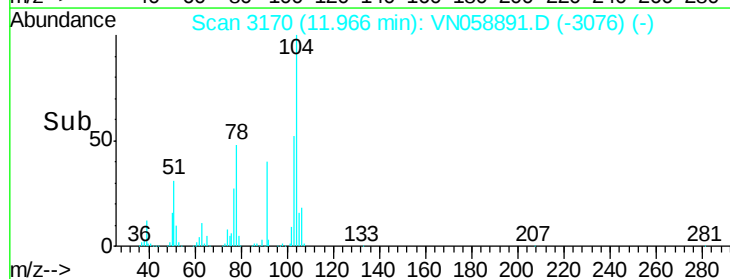
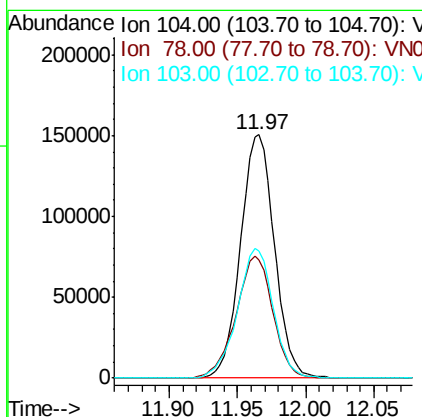
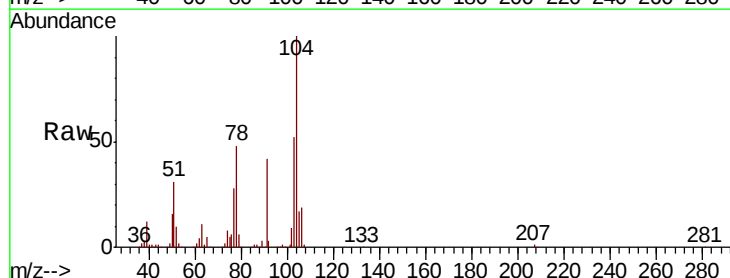
Manual Integrations
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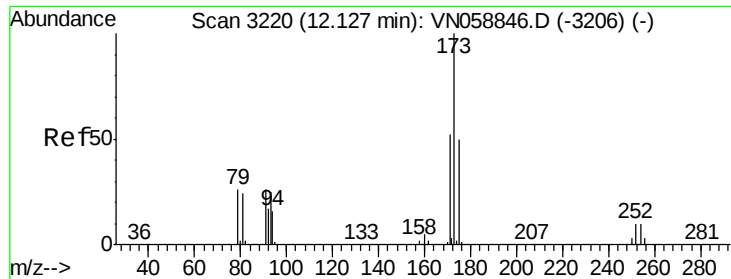
MMDadoda
10/22/2019 4:55:38 PM



#70
Styrene
Concen: 19.212 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.4	42.8	64.2	
103	56.5	44.3	66.5	





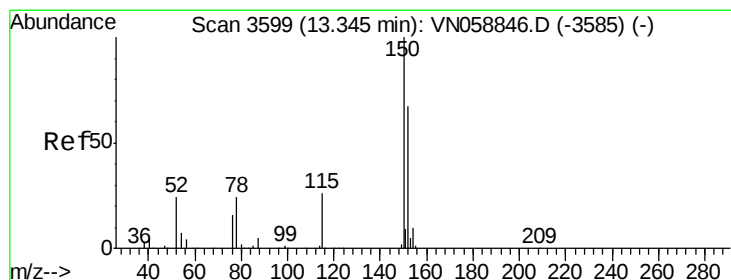
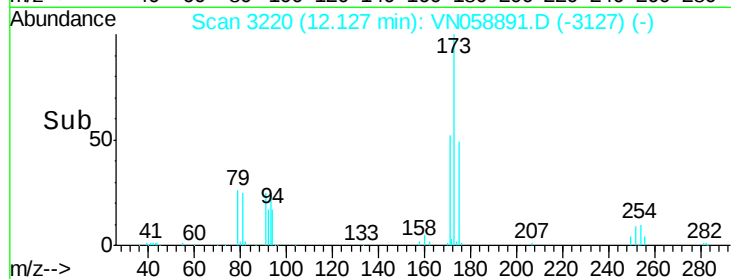
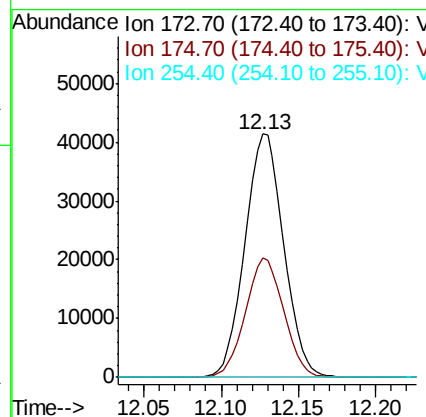
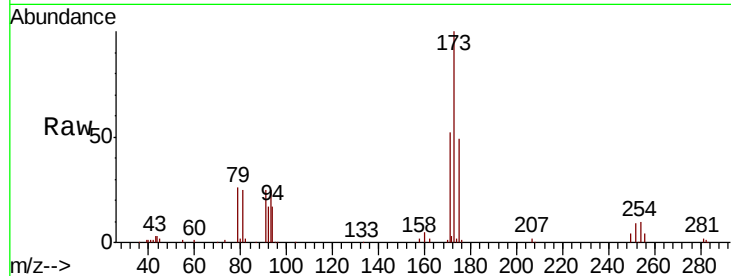
#71
Bromoform
Concen: 19.704 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.7	74.1
254	0.0	0.0	0.0

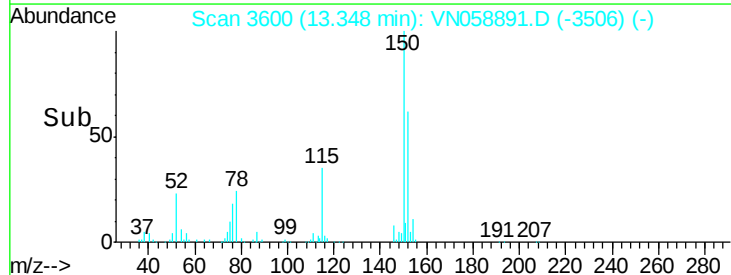
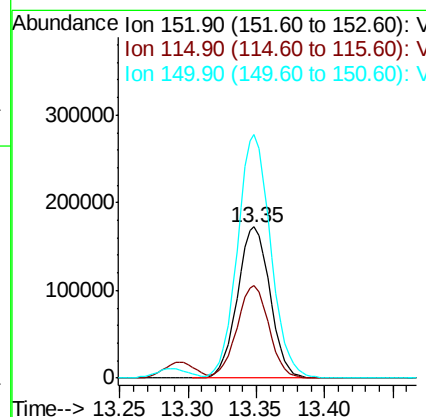
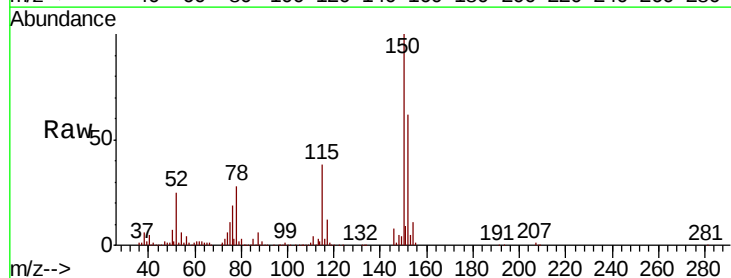
Manual Integrations
APPROVED

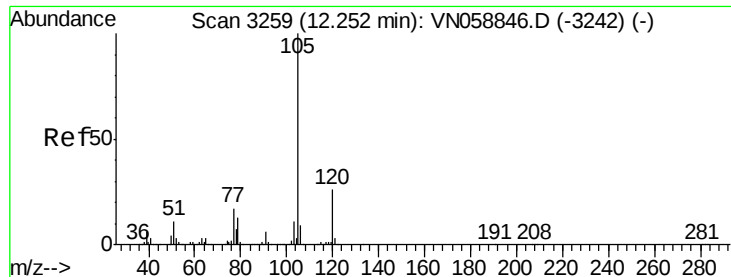
MMDadoda
10/22/2019 4:55:38 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.5	91.5
150	163.9	0.0	344.4





#73

Isopropylbenzene

Concen: 21.267 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 105 Resp: 443877

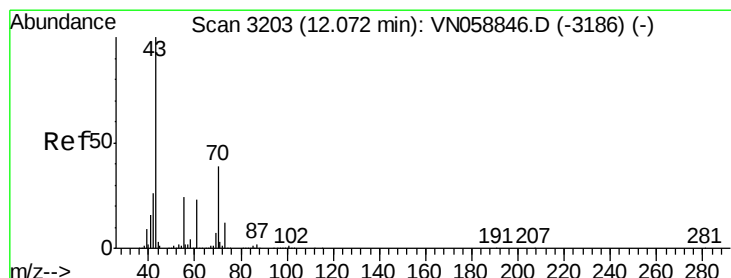
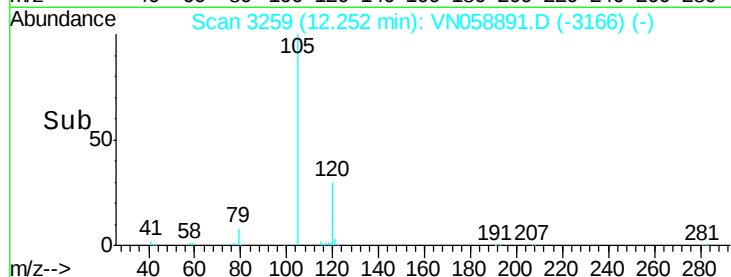
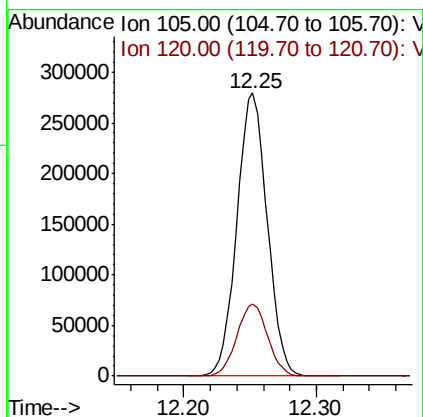
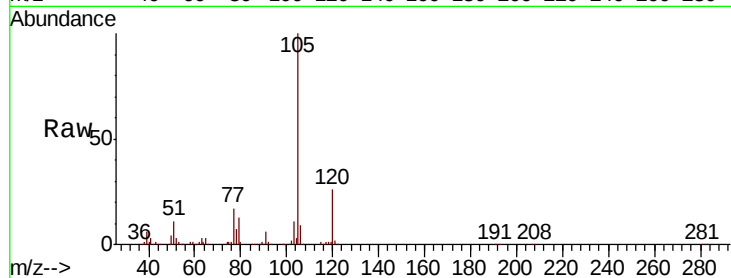
Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
10/22/2019 4:55:38 PM



#74

N-ethyl acetate

Concen: 21.142 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion: 43 Resp: 200053

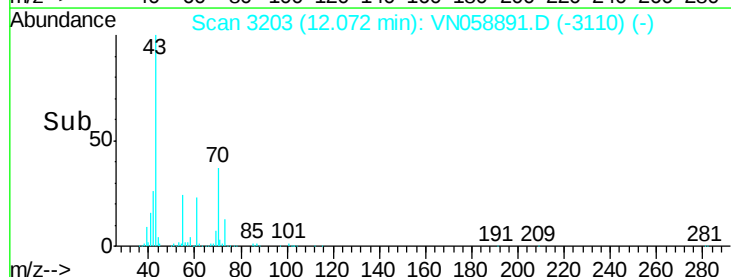
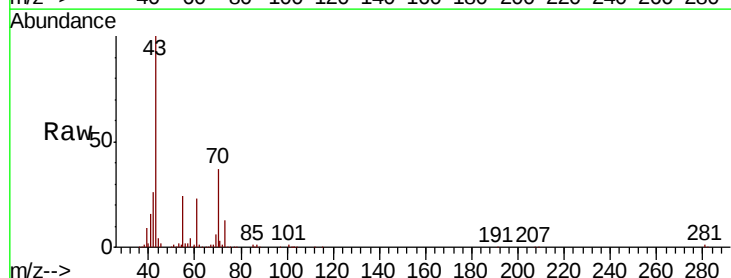
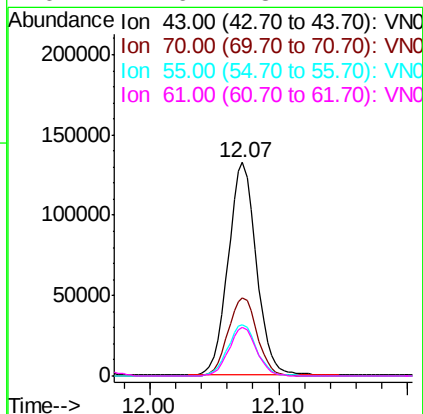
Ion Ratio Lower Upper

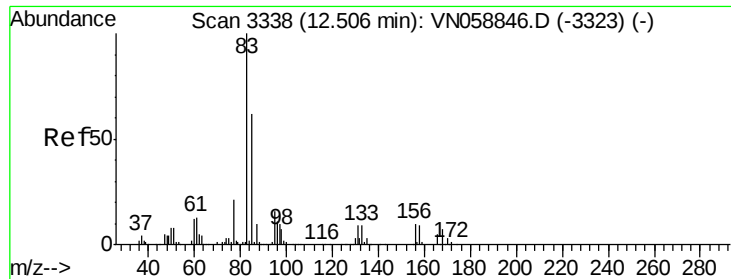
43 100

70 38.2 30.9 46.3

55 25.0 19.7 29.5

61 22.6 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.443 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 83 Resp: 150027
Ion Ratio Lower Upper

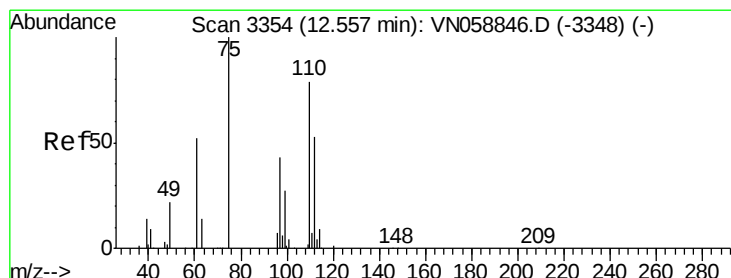
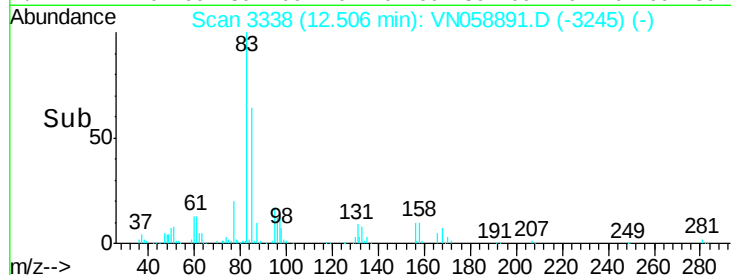
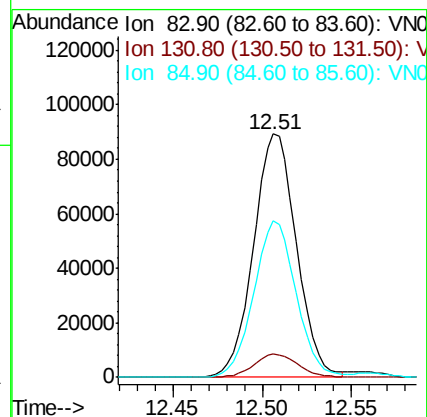
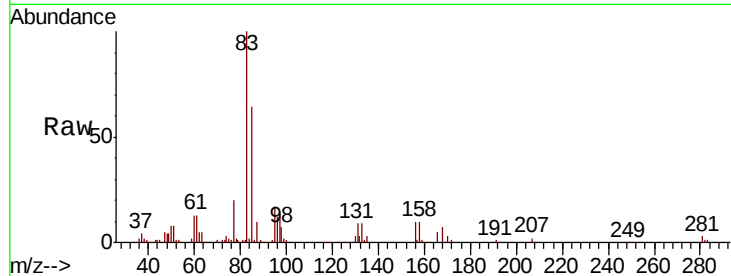
83 100

131 9.8 4.7 14.1

85 63.4 31.7 95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.380 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

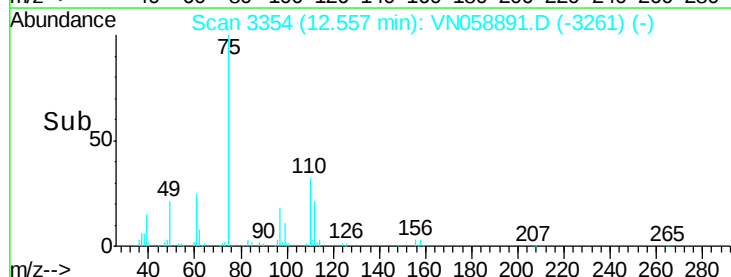
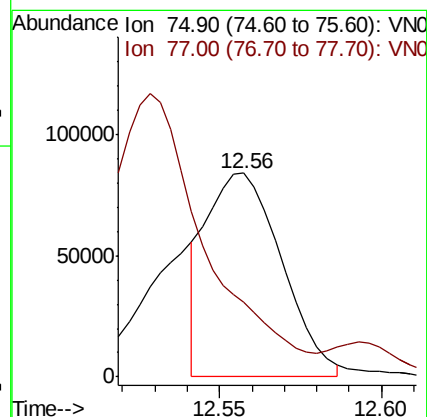
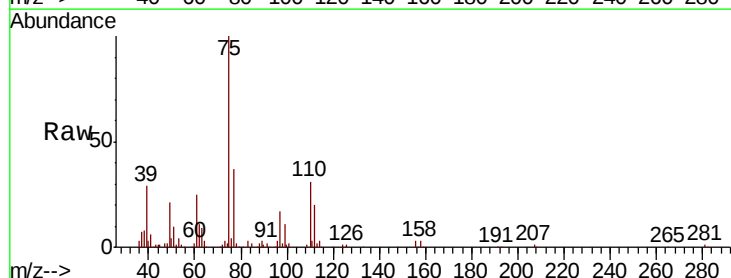
Lab File: VN058891.D

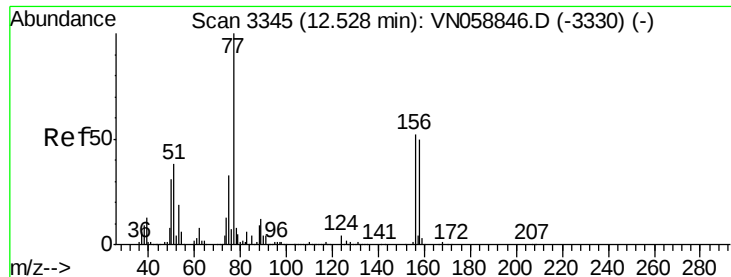
Acq: 21 Oct 2019 16:13

Tgt Ion: 75 Resp: 134898
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.625 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

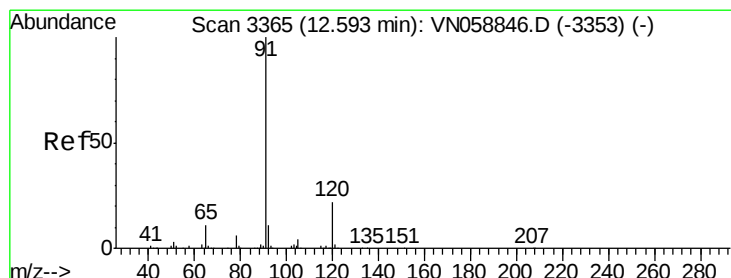
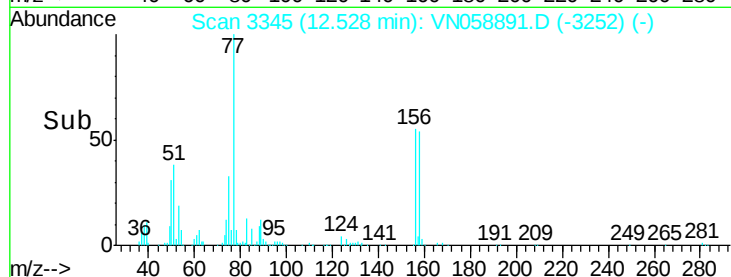
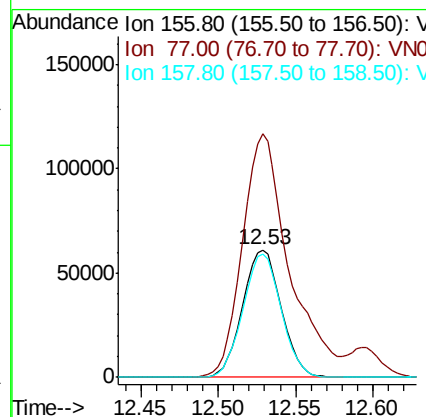
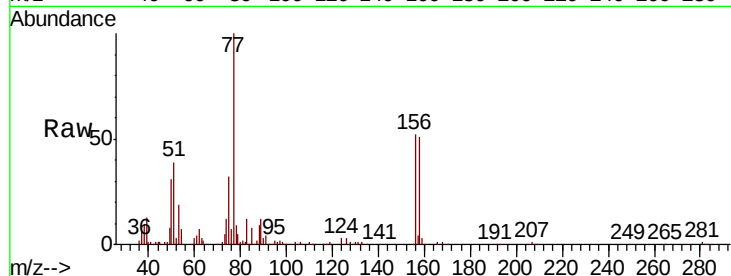
ClientSampleId :

VN1021MBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	232.0	118.0	354.0	
158	96.3	48.3	144.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 21.152 ug/l

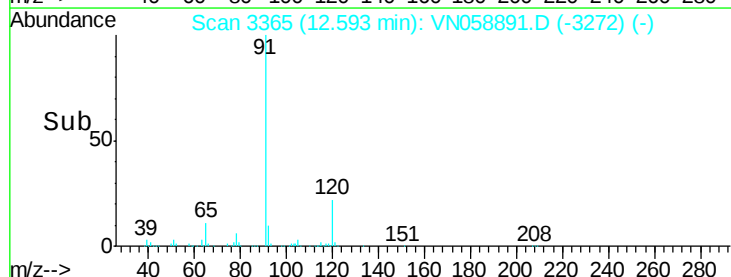
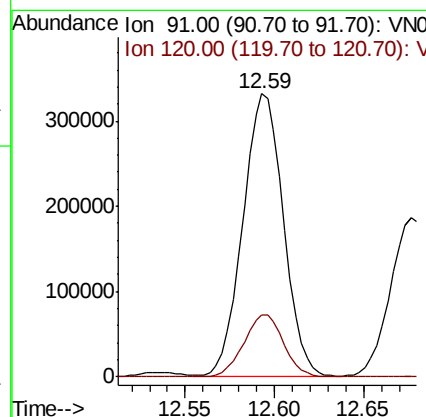
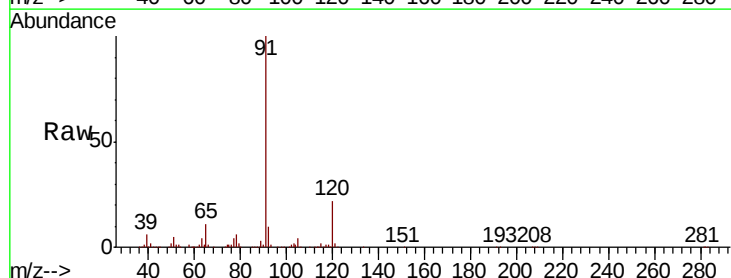
RT: 12.59 min Scan# 3365

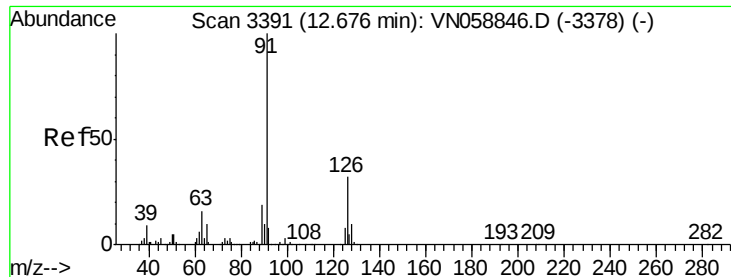
Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.7	11.1	33.1	





#79

2-Chlorotoluene

Concen: 20.626 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion: 91 Resp: 311450

Ion Ratio Lower Upper

91 100

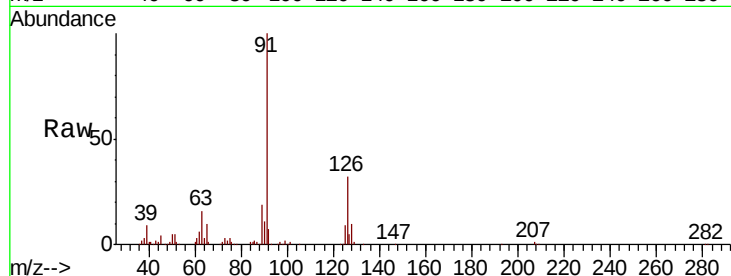
126 31.9 16.2 48.6

Manual Integrations

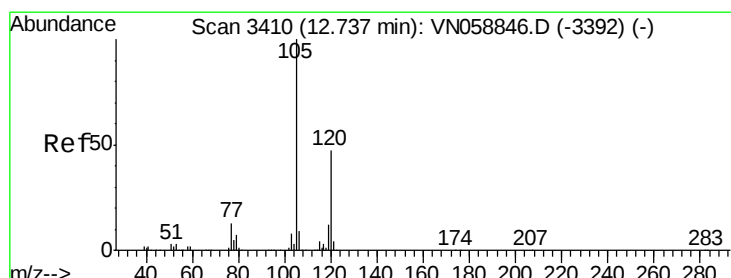
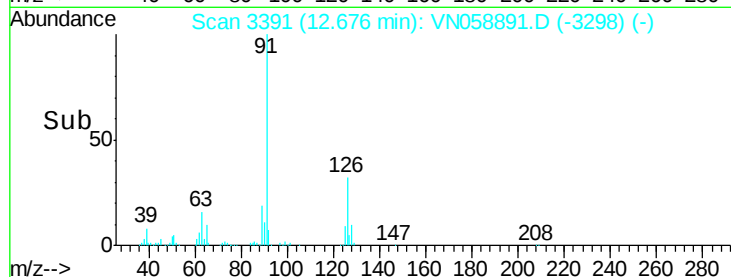
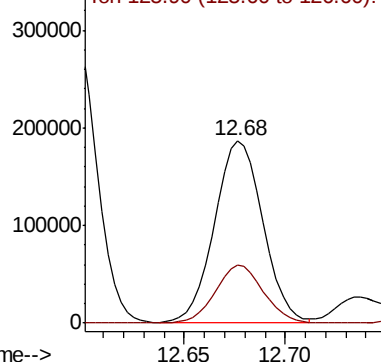
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Abundance Ion 91.00 (90.70 to 91.70): VN058891.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.387 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058891.D

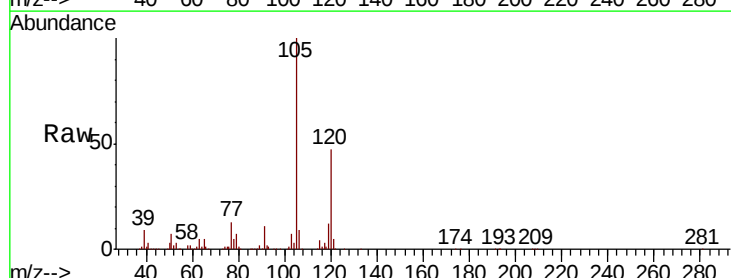
Acq: 21 Oct 2019 16:13

Tgt Ion: 105 Resp: 375043

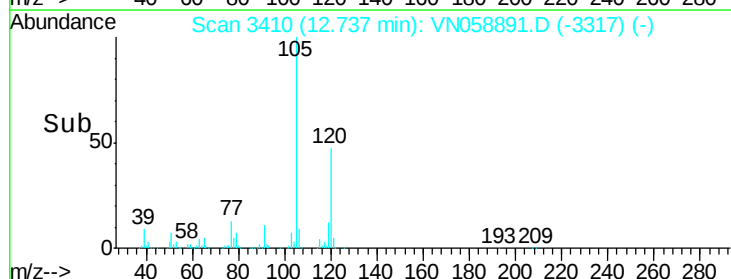
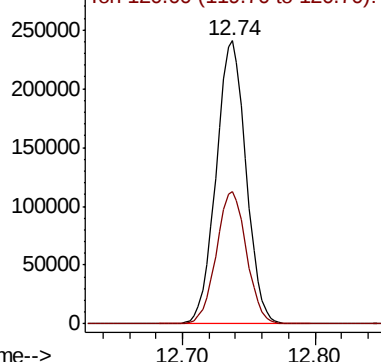
Ion Ratio Lower Upper

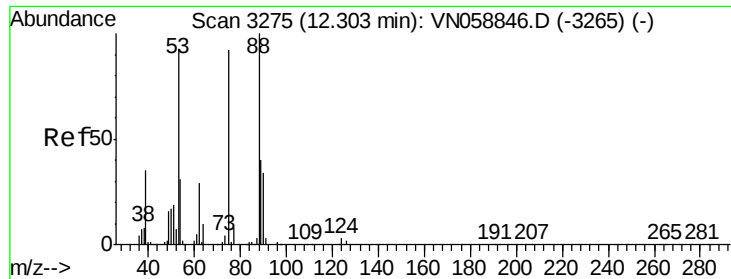
105 100

120 47.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058891.D (-3317) (-)





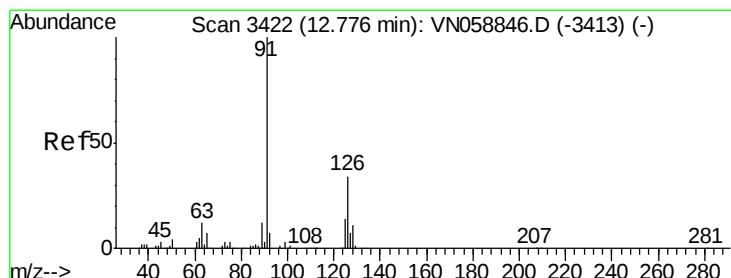
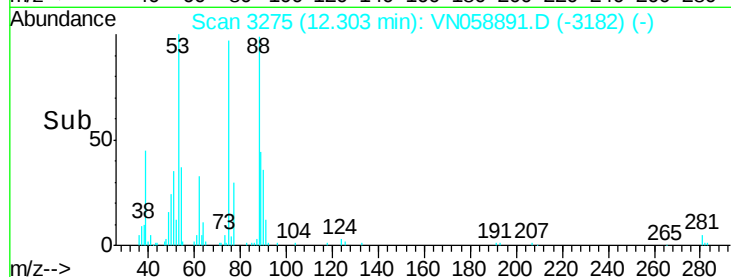
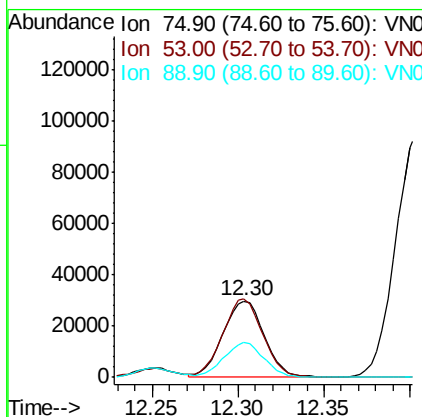
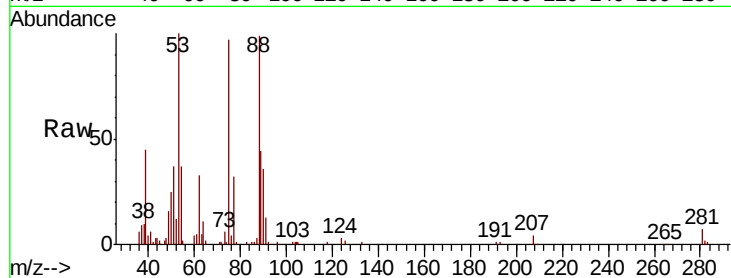
#81
trans-1,4-Dichloro-2-butene
Concen: 19.855 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	78.6	118.0
89	44.3	35.4	53.0

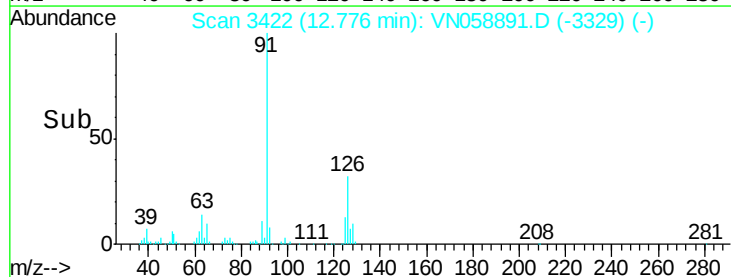
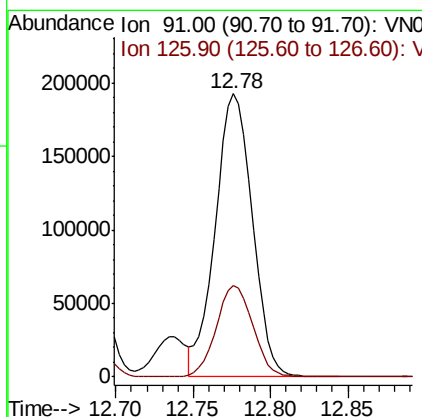
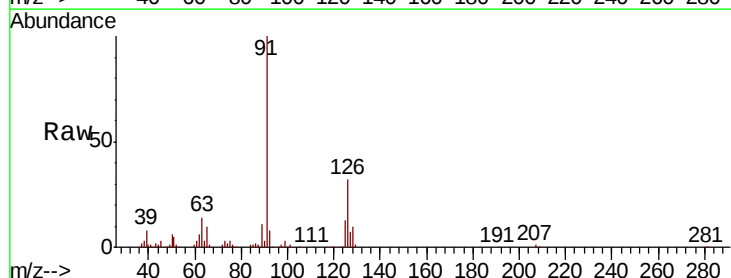
Manual Integrations
APPROVED

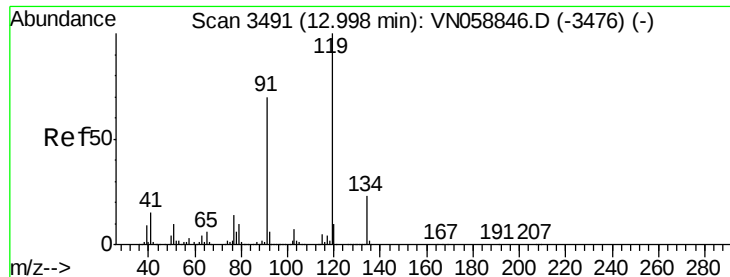
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#82
4-Chlorotoluene
Concen: 20.686 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9





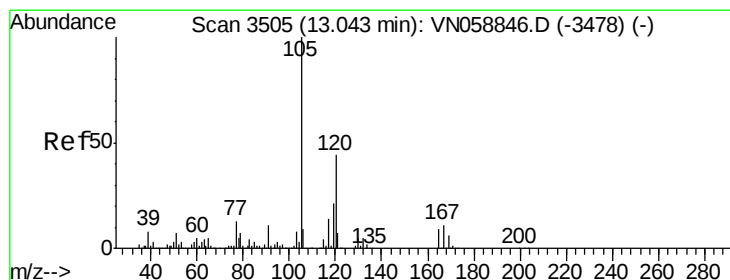
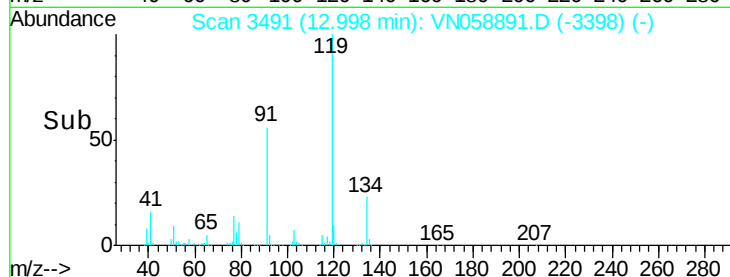
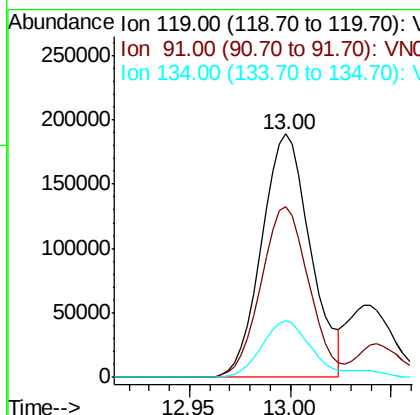
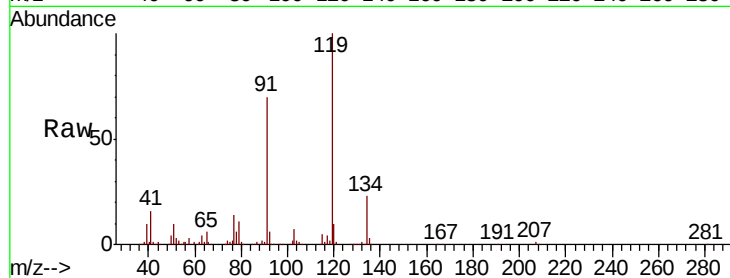
#83
tert-Butylbenzene
Concen: 21.187 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.1	102.3
134	23.5	11.6	34.8

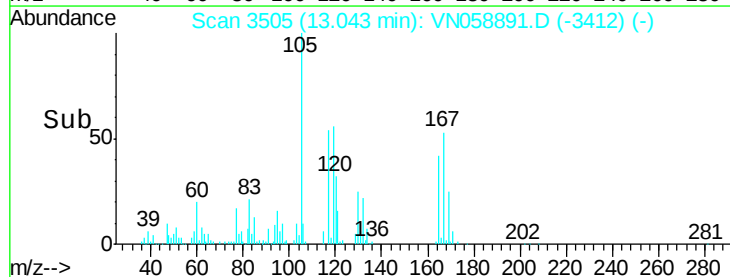
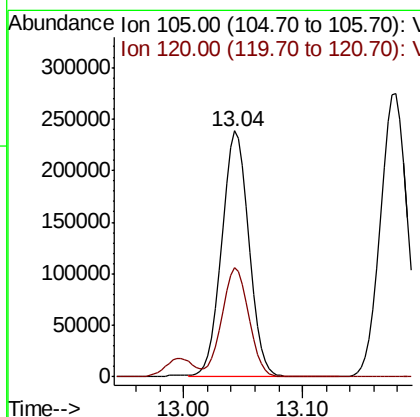
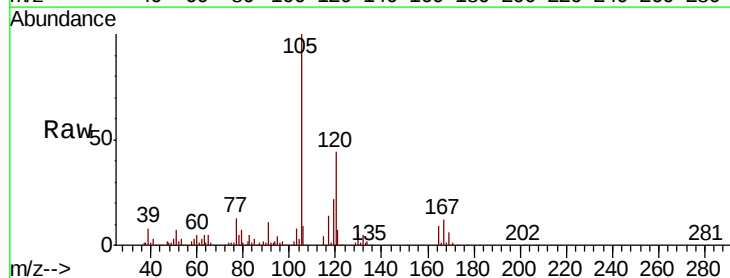
Manual Integrations
APPROVED

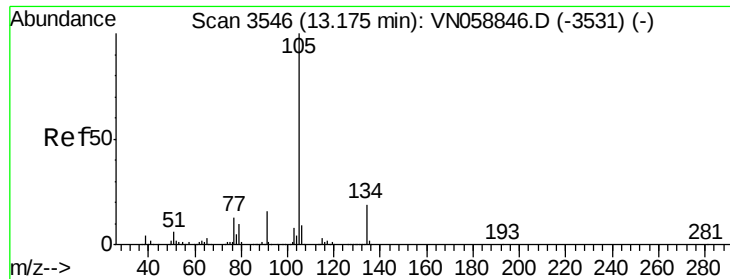
MMDadoda
10/22/2019 4:55:38 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.739 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058891.D
Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.9	65.8





#85

sec-Butylbenzene

Concen: 21.639 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBS01

Tot Ion:105 Resp: 432634

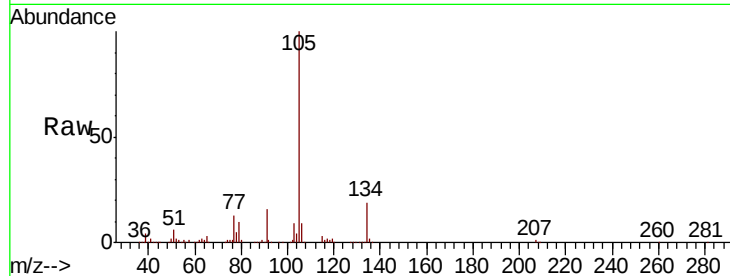
Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2

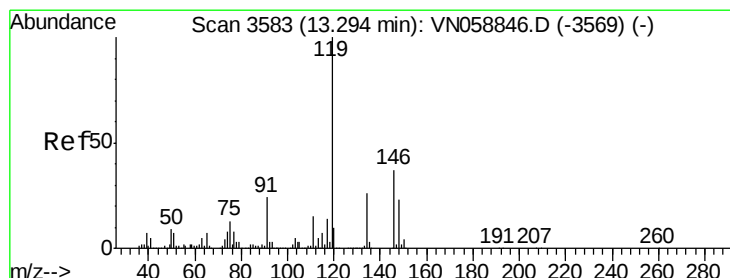
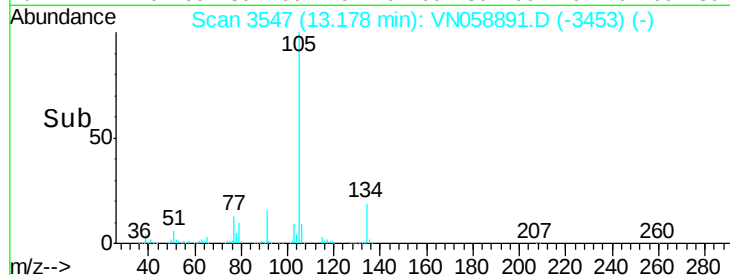
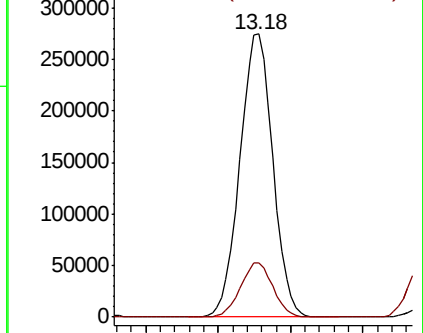
Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.455 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

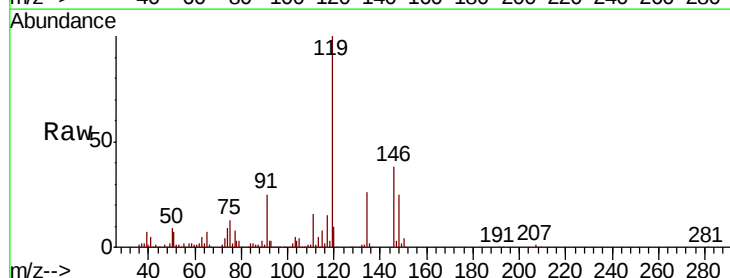
Tgt Ion:119 Resp: 378477

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

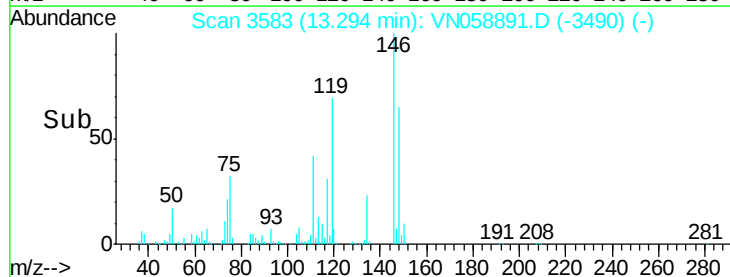
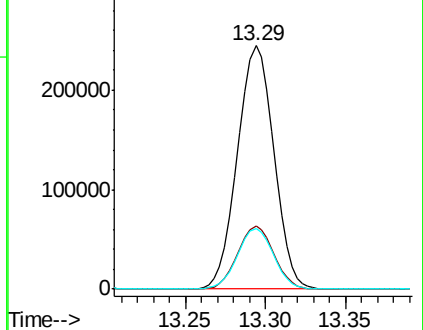
91 25.0 12.2 36.4

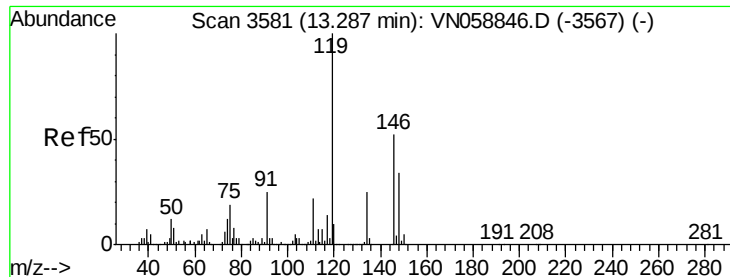


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





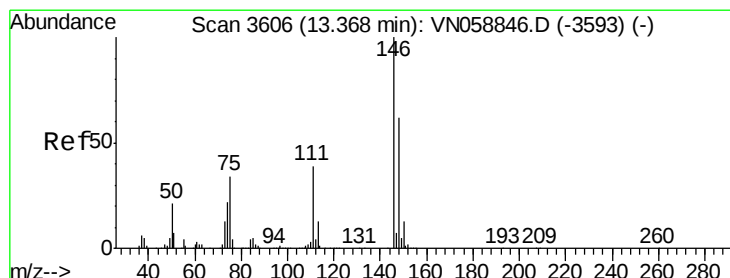
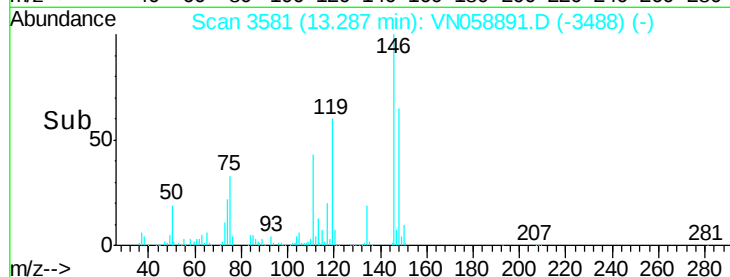
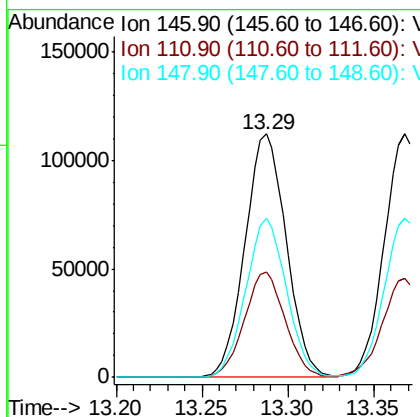
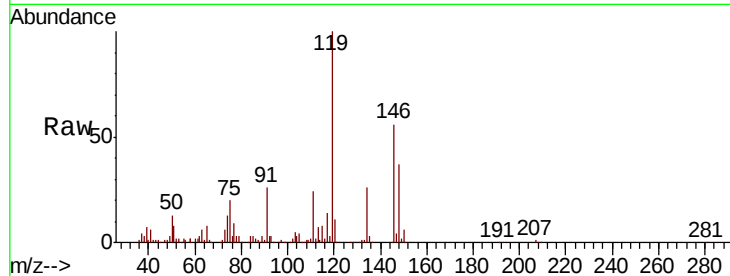
#87
 1,3-Dichlorobenzene
 Concen: 20.296 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.0	63.0
148	64.4	32.1	96.3

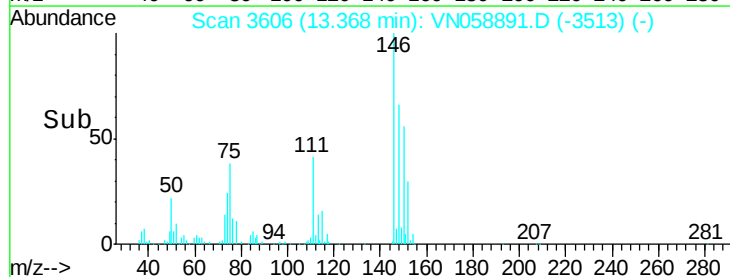
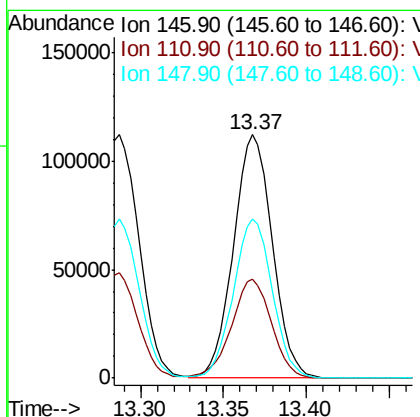
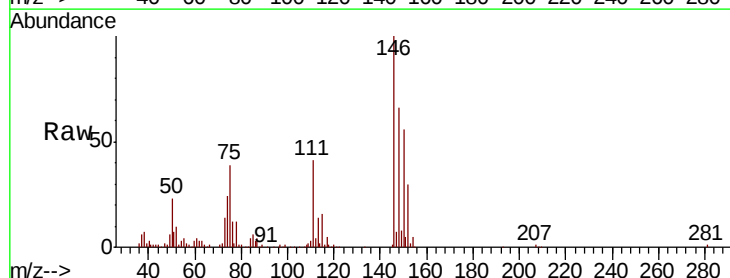
Manual Integrations
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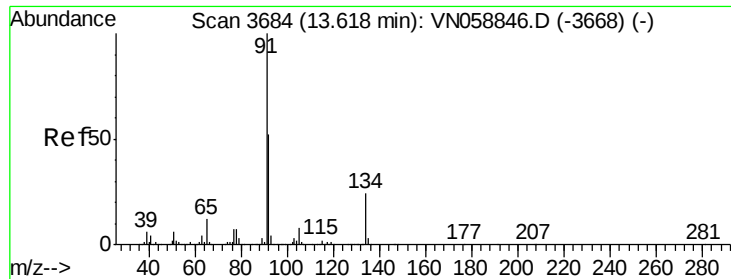
MMDadoda
 10/22/2019 4:55:38 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.852 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.2	60.6
148	65.6	31.6	94.7





#89

n-Butylbenzene

Concen: 20.583 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

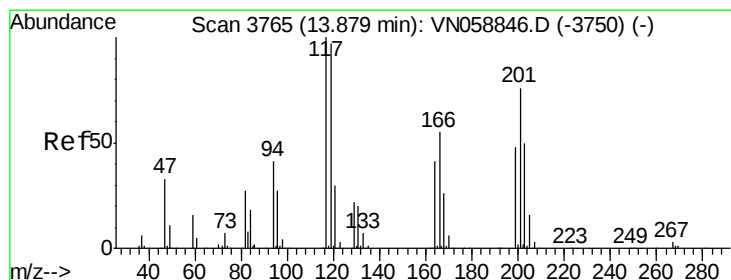
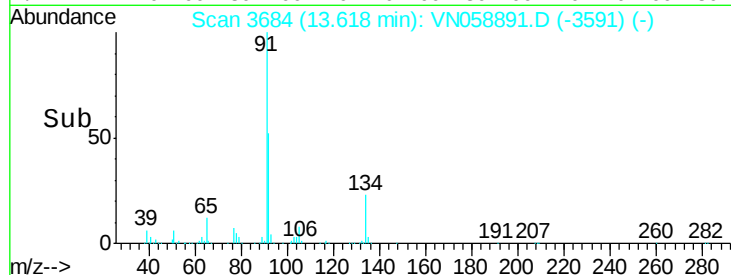
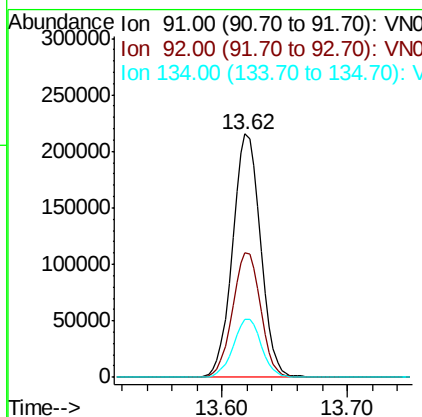
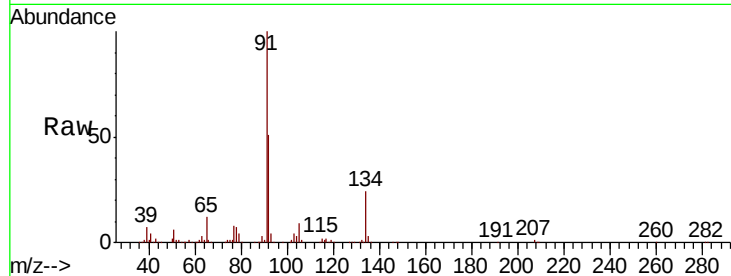
ClientSampleId :

VN1021MBS01

Tot Ion:	91	Resp:	333552
Ion Ratio	Lower	Upper	
91	100		
92	51.3	25.7	77.1
134	24.1	11.9	35.5

Manual Integrations
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#90

Hexachloroethane

Concen: 20.337 ug/l

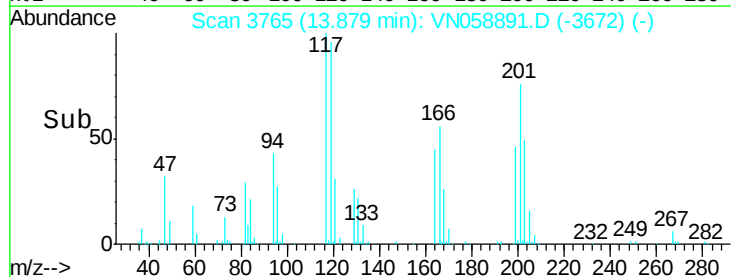
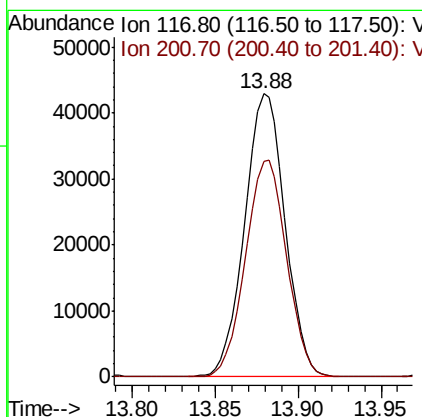
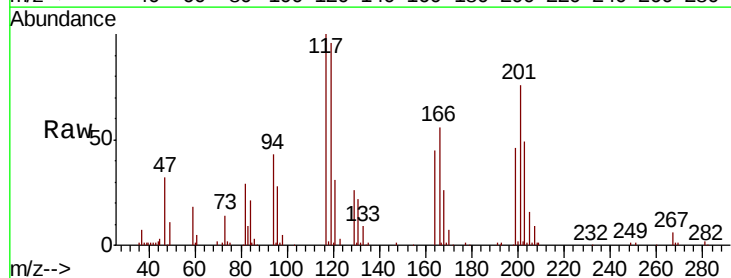
RT: 13.88 min Scan# 3765

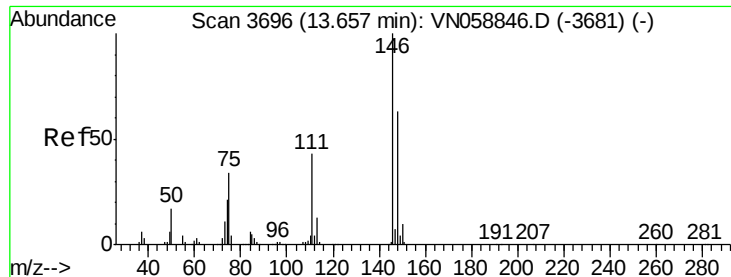
Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion:	117	Resp:	72697
Ion Ratio	Lower	Upper	
117	100		
201	77.8	38.9	116.6





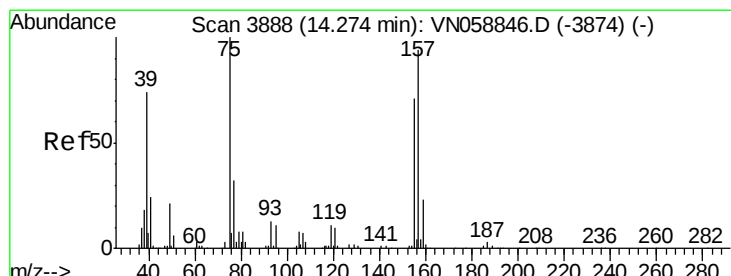
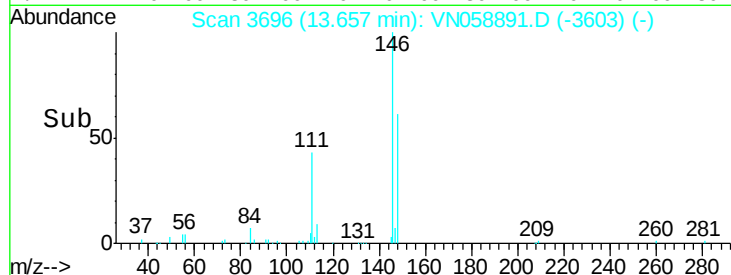
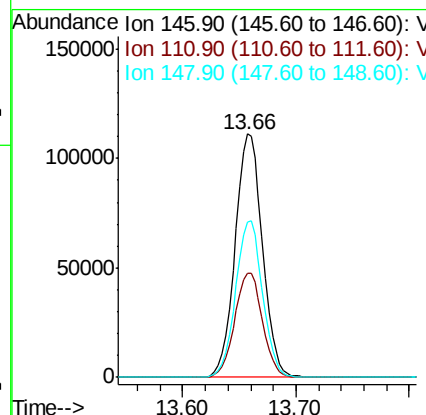
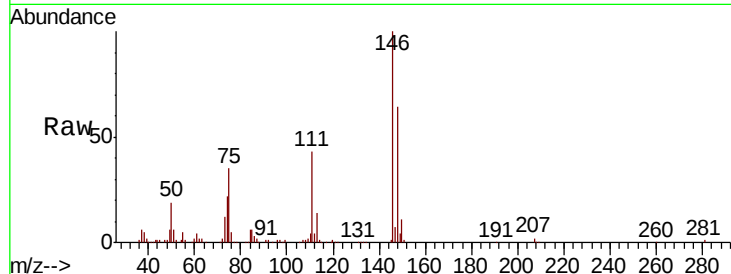
#91
 1,2-Dichlorobenzene
 Concen: 20.629 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	64.8
148	63.3	31.9	95.9

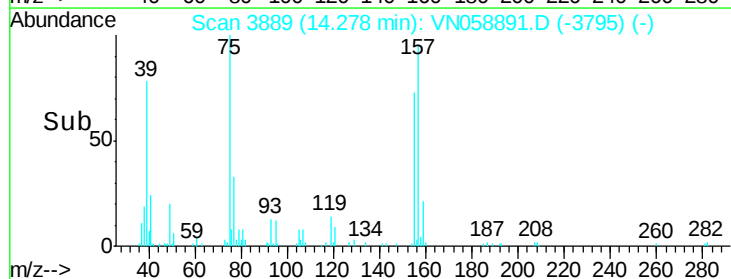
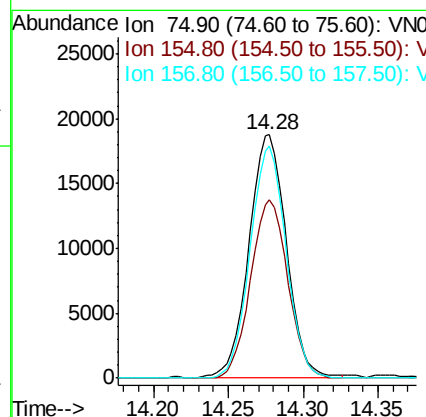
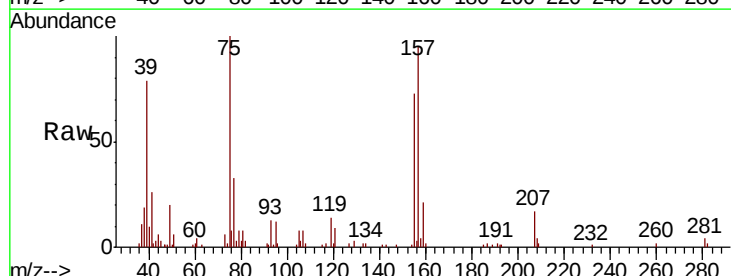
Manual Integrations
 APPROVED

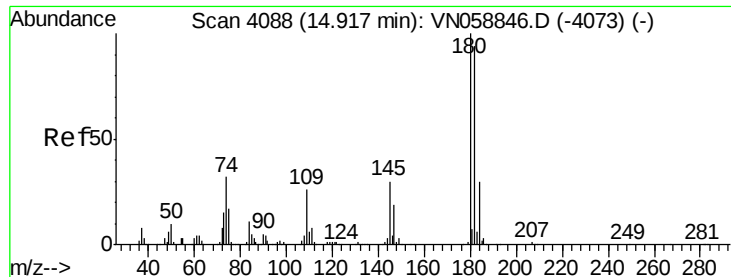
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.770 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	35.6	106.8
157	91.1	47.4	142.2





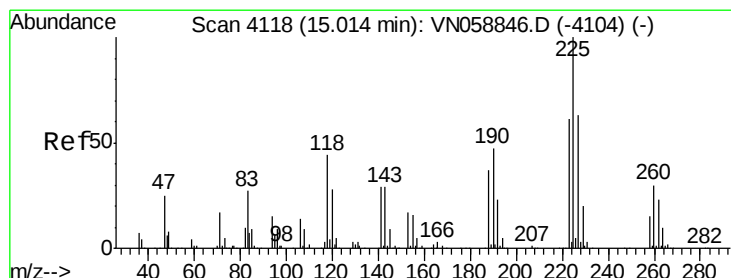
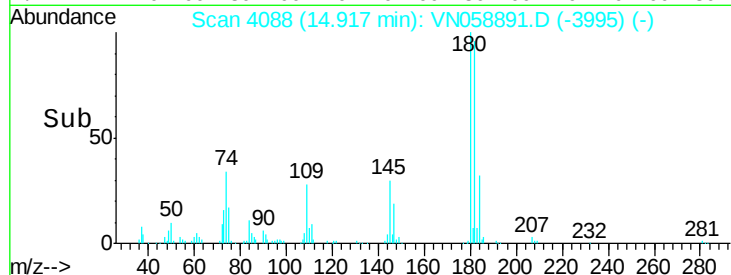
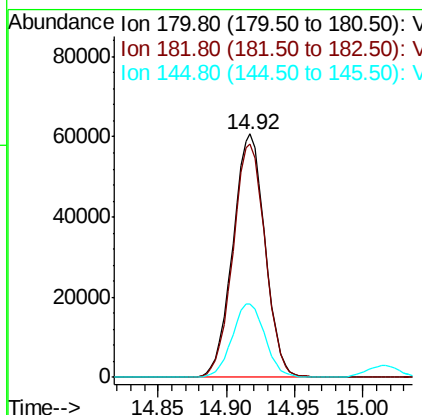
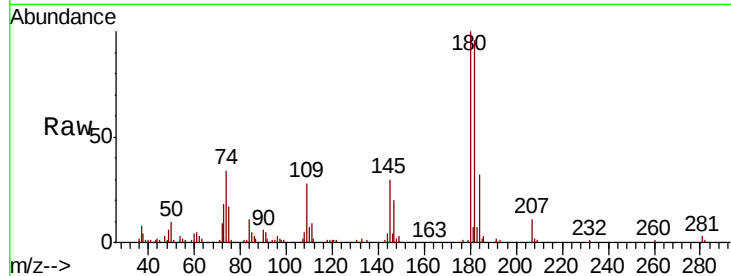
#93
 1,2,4-Trichlorobenzene
 Concen: 19.100 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	142.0
145	30.7	15.3	45.8

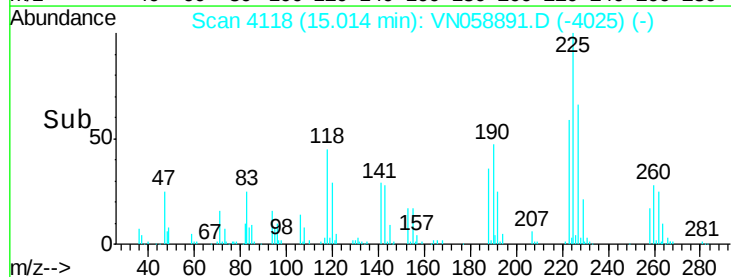
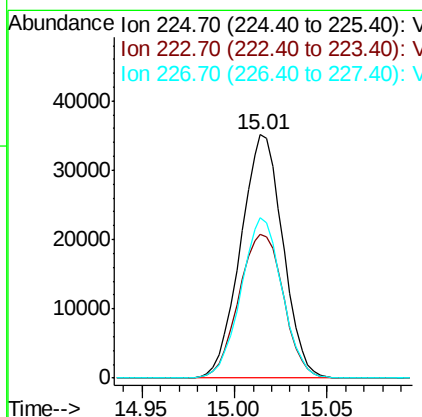
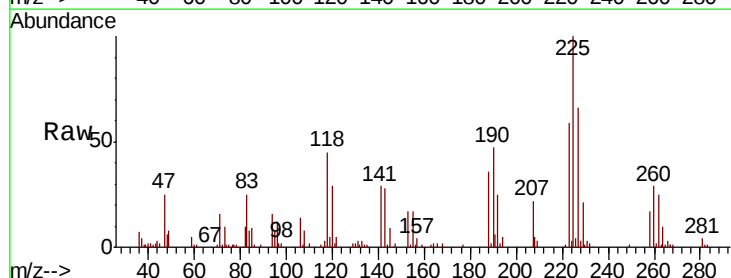
Manual Integrations
 APPROVED

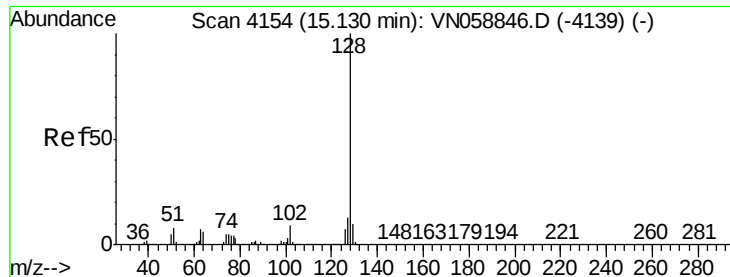
MMDadoda
 10/22/2019 4:55:38 PM



#94
 Hexachlorobutadiene
 Concen: 19.030 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058891.D
 Acq: 21 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.5
227	64.1	31.6	94.7





#95

Naphthalene

Concen: 19.009 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Instrument :

MSVOA_N

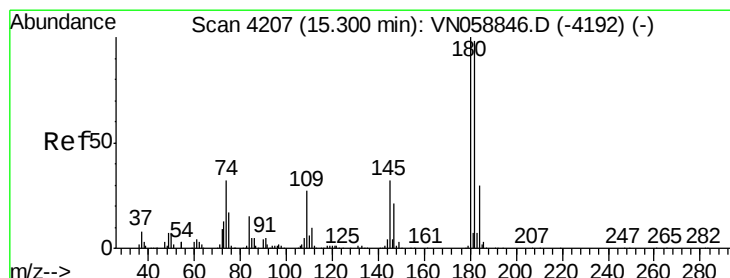
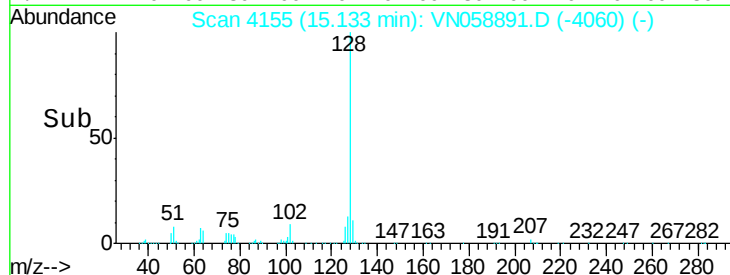
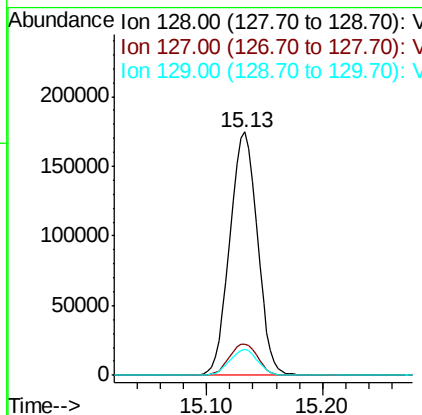
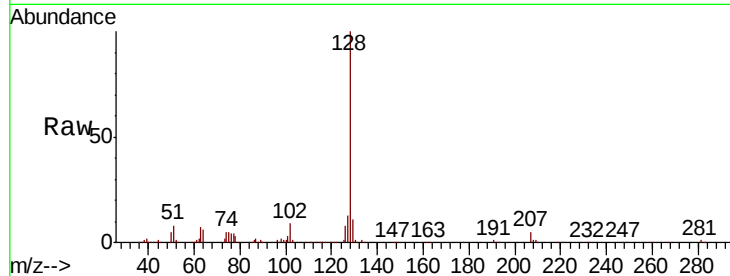
ClientSampleId :

VN1021MBS01

Tot Ion:	128	Resp:	287342
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.2
129	10.7	8.4	12.6

Manual Integrations
APPROVED

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10/22/2019 4:55:38 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.723 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058891.D

Acq: 21 Oct 2019 16:13

Tgt Ion:	180	Resp:	100848
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.9	143.7
145	31.6	15.9	47.7

