

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059027.D
 Acq On : 31 Oct 2019 10:11
 Operator : JC/SP
 Sample : VN1031WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:09 AM

Quant Time: Nov 01 00:34:07 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	394284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	625186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	274457	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	7.57	113	206146	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.08	98	761426	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
62) 4-Bromofluorobenzene	12.40	95	284020	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87685	17.837	ug/l	99
3) Chloromethane	2.04	50	111471	18.309	ug/l	97
4) Vinyl Chloride	2.17	62	116459	19.265	ug/l	97
5) Bromomethane	2.54	94	65950	17.421	ug/l	99
6) Chloroethane	2.68	64	71844	18.532	ug/l	97
7) Trichlorofluoromethane	3.00	101	142925	19.108	ug/l	99
8) Diethyl Ether	3.39	74	55517	21.478	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83192	20.062	ug/l	98
10) Methyl Iodide	3.93	142	97407	17.860	ug/l	98
11) Tert butyl alcohol	4.75	59	106111	110.575	ug/l	99
12) 1,1-Dichloroethene	3.71	96	77910	20.044	ug/l	98
13) Acrolein	3.59	56	40462	61.365	ug/l	95
14) Allyl chloride	4.30	41	163036	20.729	ug/l	95
15) Acrylonitrile	4.96	53	274830	113.855	ug/l	99
16) Acetone	3.79	43	313014	109.541	ug/l	98
17) Carbon Disulfide	4.03	76	215055	17.176	ug/l	99
18) Methyl Acetate	4.30	43	148037	22.787	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	296775	21.805	ug/l	97
20) Methylene Chloride	4.53	84	96827	19.845	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	87231	20.322	ug/l	94
22) Diisopropyl ether	5.93	45	333483	21.677	ug/l	97
23) Vinyl Acetate	5.87	43	1363086	110.281	ug/l	99
24) 1,1-Dichloroethane	5.82	63	181868	20.388	ug/l	100
25) 2-Butanone	6.81	43	399868	107.800	ug/l	98
26) 2,2-Dichloropropane	6.80	77	158362	20.524	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	101497	20.699	ug/l	98
28) Bromochloromethane	7.17	49	57353	19.305	ug/l	99
29) Tetrahydrofuran	7.19	42	252310	111.192	ug/l	99
30) Chloroform	7.35	83	177653	19.854	ug/l	100
31) Cyclohexane	7.63	56	157020	18.894	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	150929	20.011	ug/l	98
36) 1,1-Dichloropropene	7.77	75	126570	19.775	ug/l	99
37) Ethyl Acetate	6.90	43	155996	22.368	ug/l	99
38) Carbon Tetrachloride	7.75	117	129192	19.593	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	139136	19.360	ug/l	100
40) Benzene	8.02	78	392145	20.864	ug/l	99
41) Methacrylonitrile	7.15	41	67421	21.705	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	144548	19.965	ug/l	100
43) Isopropyl Acetate	8.15	43	239362	21.400	ug/l	99
44) Trichloroethene	8.82	130	96480	21.073	ug/l	97
45) 1,2-Dichloropropane	9.11	63	109947	21.333	ug/l	98
46) Dibromomethane	9.20	93	66055	20.273	ug/l	98
47) Bromodichloromethane	9.39	83	140338	20.898	ug/l	99
48) Methyl methacrylate	9.19	41	107273	21.139	ug/l	97
49) 1,4-Dioxane	9.19	88	38614	463.525	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	768473	117.627	ug/l	99
52) Toluene	10.15	92	236153	21.187	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	154463	20.778	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	165327	20.816	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	96941	21.113	ug/l	98
56) Ethyl methacrylate	10.43	69	146450	20.289	ug/l	97
57) 1,3-Dichloropropane	10.70	76	169847	21.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	307284	97.874	ug/l	99
59) 2-Hexanone	10.75	43	577176	114.329	ug/l	98
60) Dibromochloromethane	10.90	129	104013	21.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	98181	20.894	ug/l	99
64) Tetrachloroethene	10.63	164	81784	20.392	ug/l	97
65) Chlorobenzene	11.43	112	247590	21.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	95562	21.721	ug/l	100
67) Ethyl Benzene	11.51	91	448736	21.940	ug/l	98
68) m/p-Xylenes	11.62	106	324396	42.769	ug/l	98
69) o-Xylene	11.95	106	155769	21.533	ug/l	98
70) Styrene	11.97	104	254033	20.087	ug/l	99
71) Bromoform	12.13	173	72539	21.262	ug/l #	100
73) Isopropylbenzene	12.25	105	427101	21.881	ug/l	99
74) N-amyl acetate	12.07	43	192983	21.808	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	152314	22.192	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	146713m	23.701	ug/l	
77) Bromobenzene	12.53	156	104332	21.685	ug/l	97
78) n-propylbenzene	12.60	91	499003	21.627	ug/l	100
79) 2-Chlorotoluene	12.68	91	303494	21.492	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	362484	22.103	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50687	21.331	ug/l	97
82) 4-Chlorotoluene	12.78	91	306367	21.230	ug/l	99
83) tert-Butylbenzene	13.00	119	306947	21.887	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	363276	22.458	ug/l	100
85) sec-Butylbenzene	13.18	105	416865	22.295	ug/l	99
86) p-Isopropyltoluene	13.29	119	368463	22.334	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	180349	20.964	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	180198	20.921	ug/l	99
89) n-Butylbenzene	13.62	91	314896	20.778	ug/l	99
90) Hexachloroethane	13.88	117	70891	21.206	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	182914	21.633	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31940	20.575	ug/l	98

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VN1031WBS01

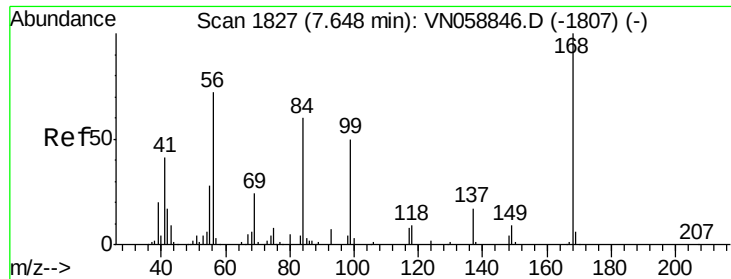
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	94178	19.322	ug/l	99
94) Hexachlorobutadiene	15.02	225	58661	21.405	ug/l	96
95) Naphthalene	15.13	128	257738	18.322	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	96597	20.143	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: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 168 Resp: 394284

Ion Ratio Lower Upper

168 100

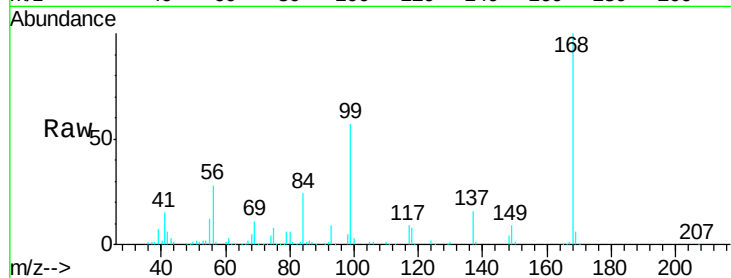
99 56.5 48.1 72.1

Manual Integrations

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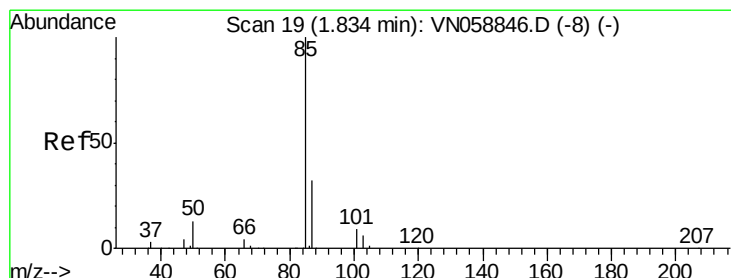
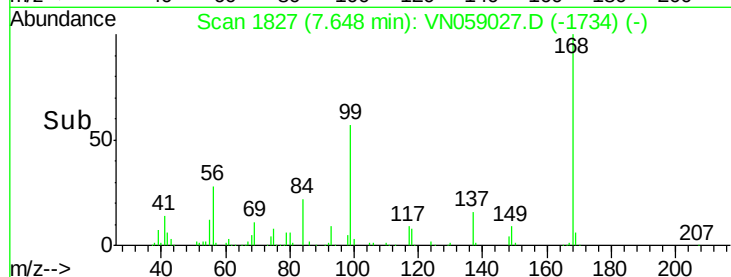
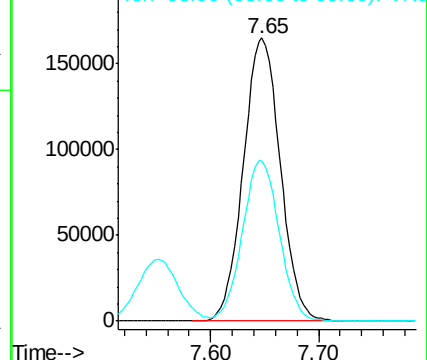
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.837 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059027.D

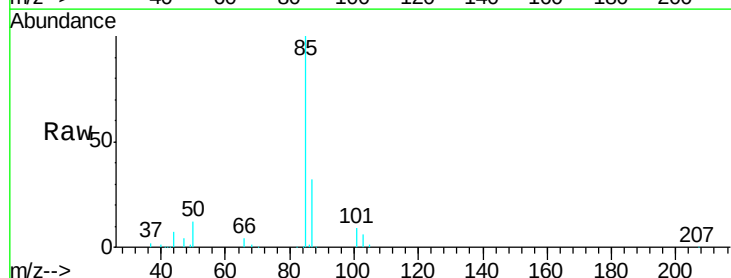
Acq: 31 Oct 2019 10:11

Tgt Ion: 85 Resp: 87685

Ion Ratio Lower Upper

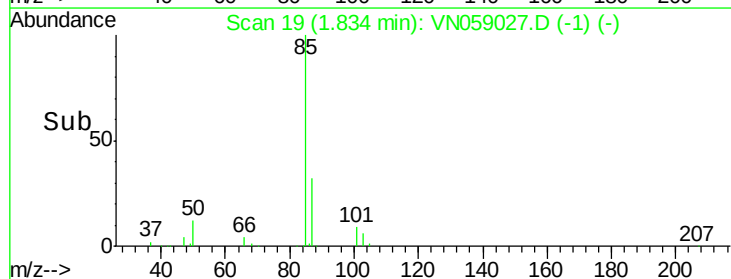
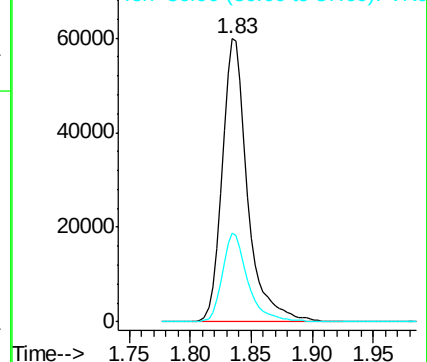
85 100

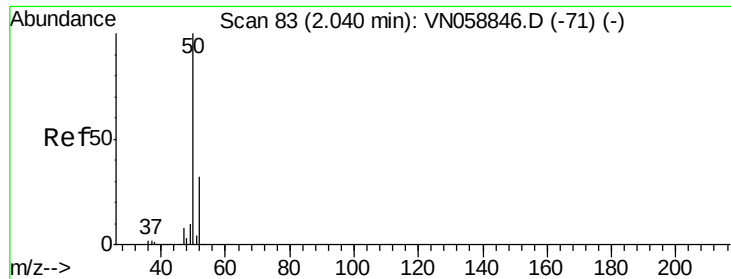
87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.309 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 50 Resp: 111471

Ion Ratio Lower Upper

50 100

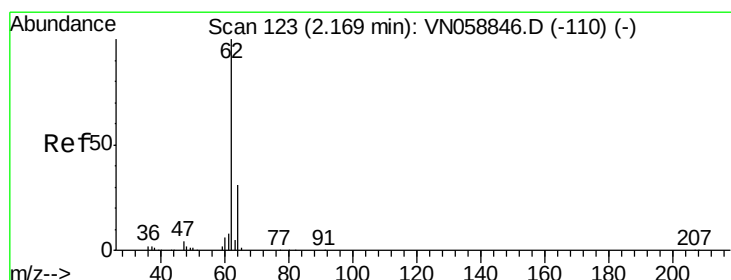
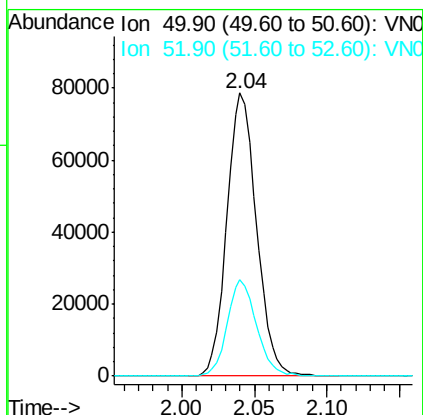
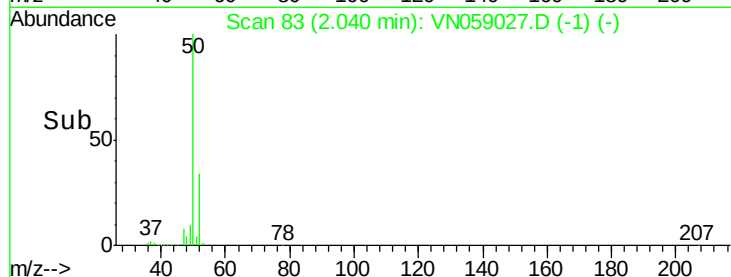
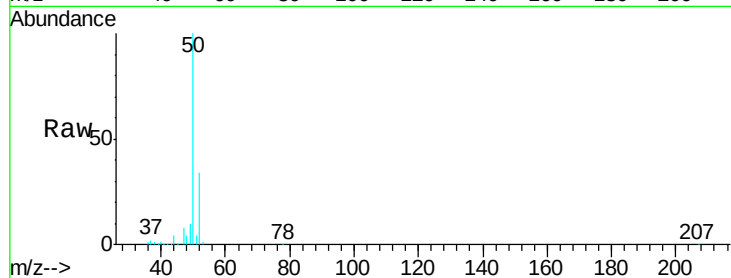
52 34.0 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.265 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059027.D

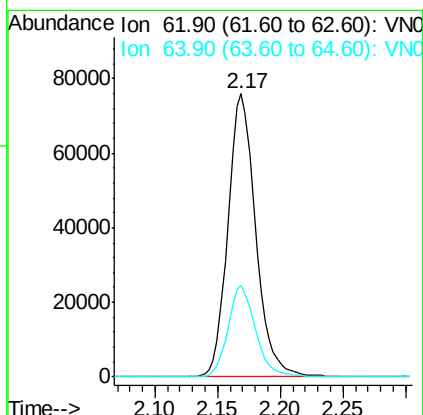
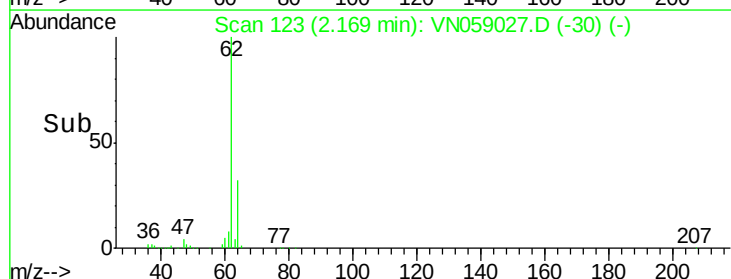
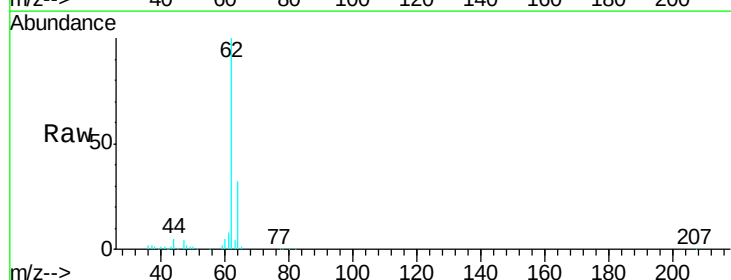
Acq: 31 Oct 2019 10:11

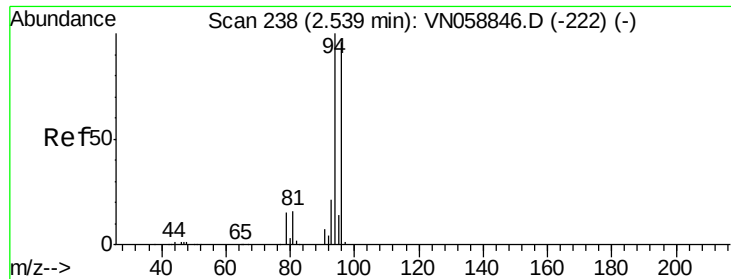
Tgt Ion: 62 Resp: 116459

Ion Ratio Lower Upper

62 100

64 32.2 24.6 36.8





#5

Bromomethane

Concen: 17.421 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 94 Resp: 65950

Ion Ratio Lower Upper

94 100

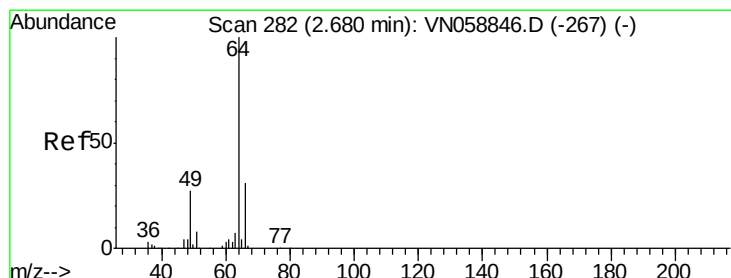
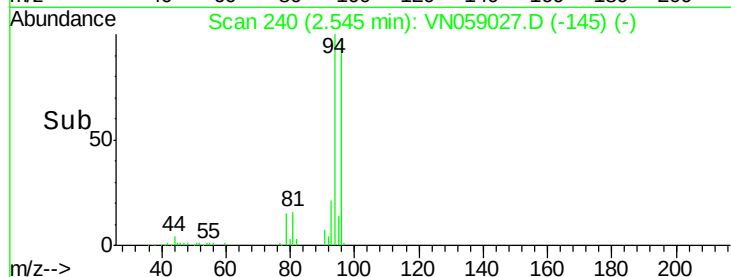
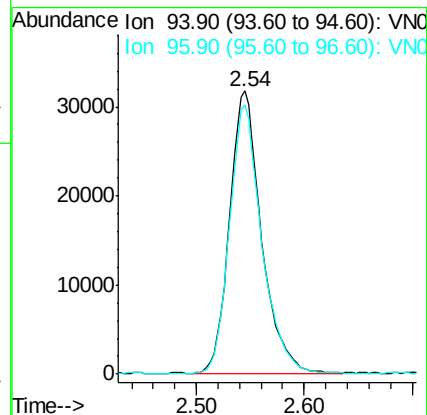
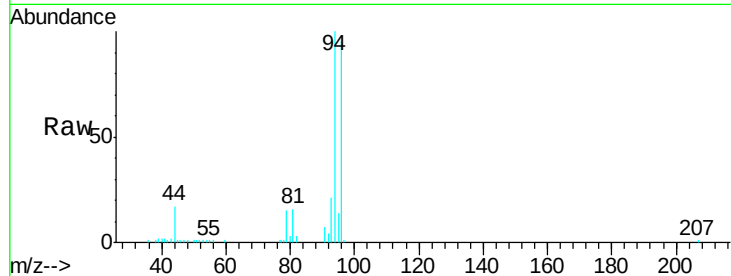
96 95.3 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 18.532 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059027.D

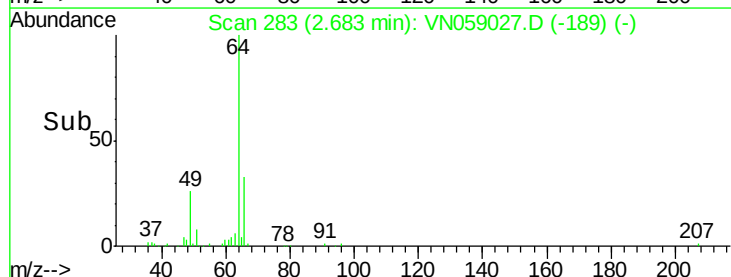
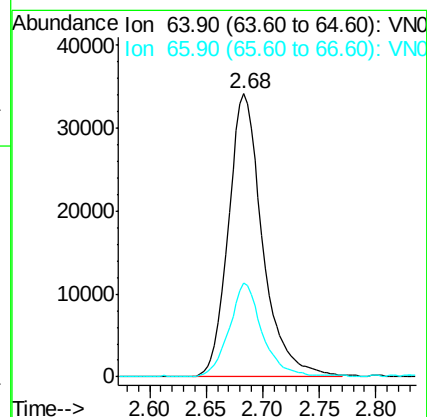
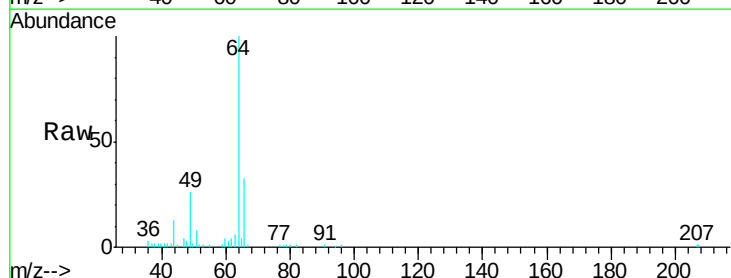
Acq: 31 Oct 2019 10:11

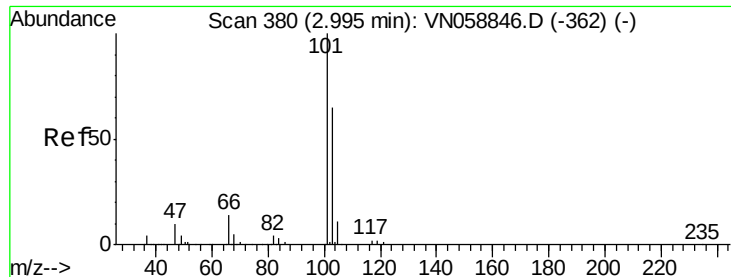
Tgt Ion: 64 Resp: 71844

Ion Ratio Lower Upper

64 100

66 33.1 25.0 37.4





#7

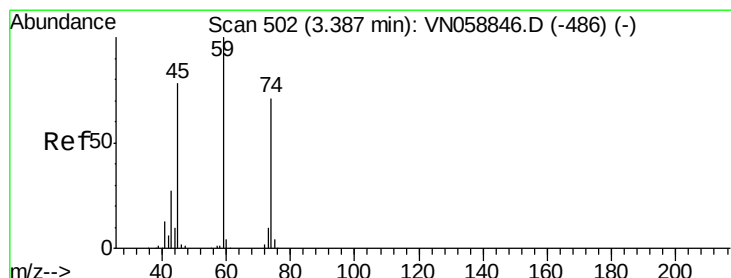
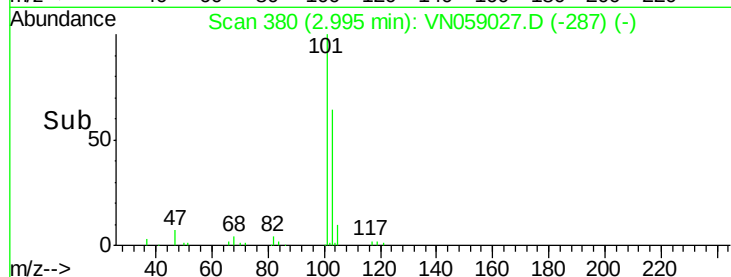
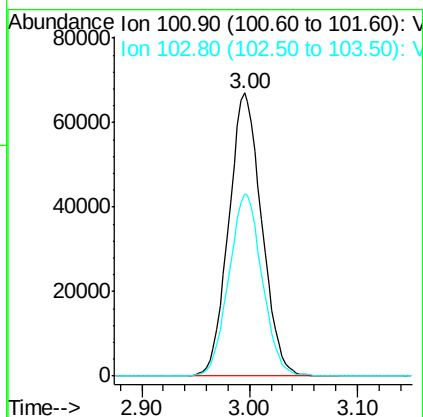
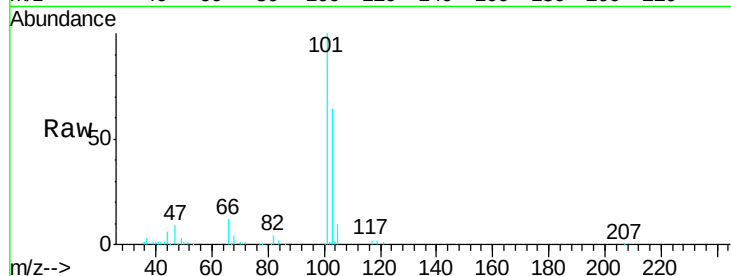
Trichlorofluoromethane
Concen: 19.108 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059027.D
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	142925		
103	64.5	52.2	78.2	

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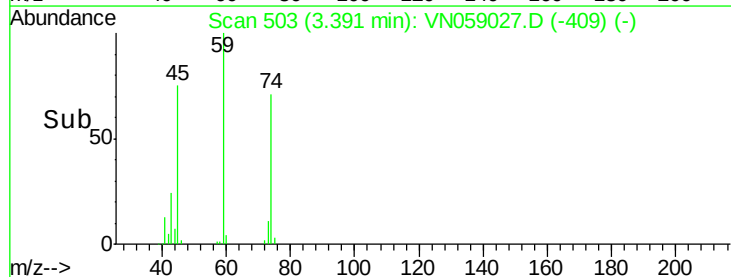
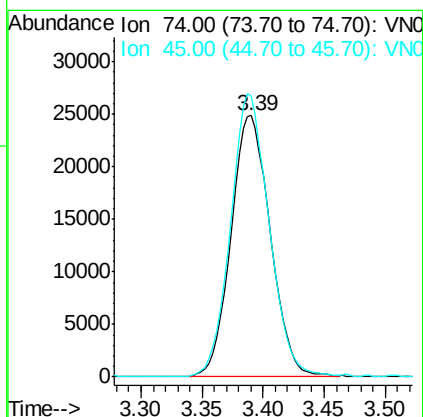
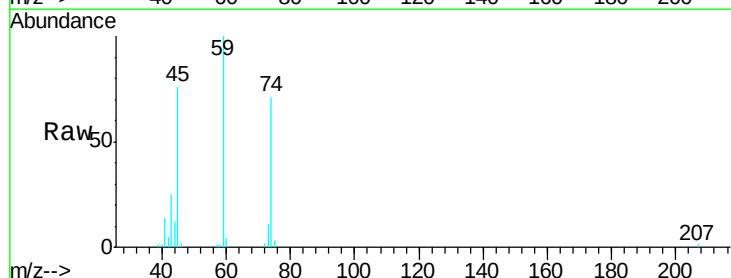
MMDadoda
11/4/2019 7:04:09 AM

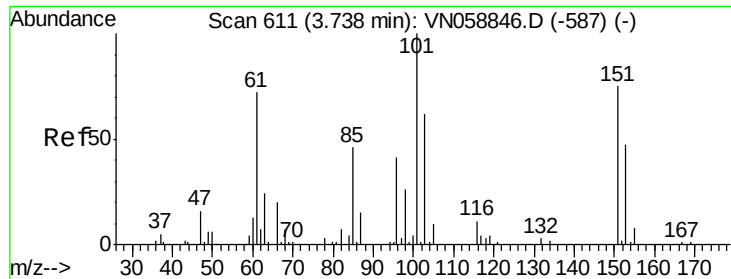


#8

Diethyl Ether
Concen: 21.478 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55517		
45	106.3	54.9	164.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.062 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

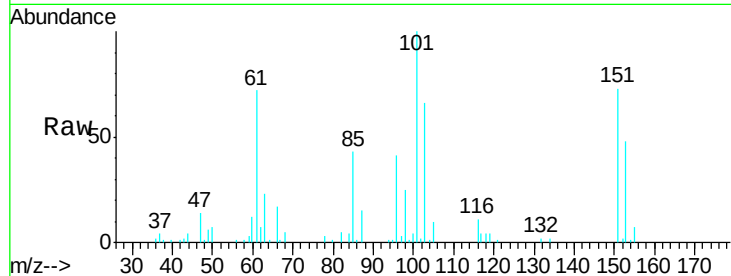
ClientSampleId :

VN1031WBS01

Tgt Ion:	101	Resp:	83192
Ion Ratio	Lower	Upper	
101	100		
85	44.7	37.2	55.8
151	76.0	59.9	89.9

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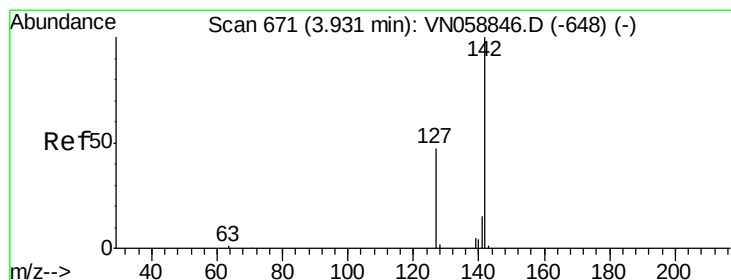
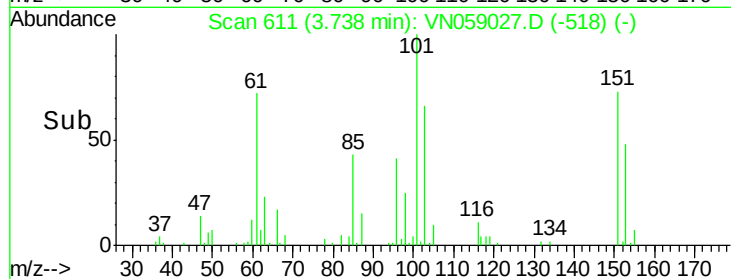
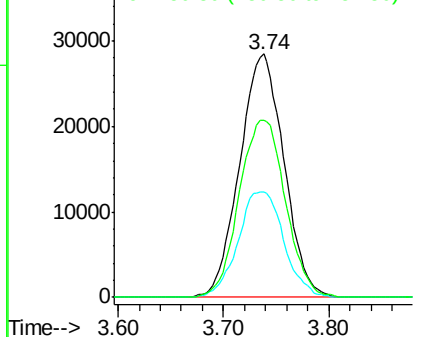
MMDadoda
11/4/2019 7:04:09 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.860 ug/l

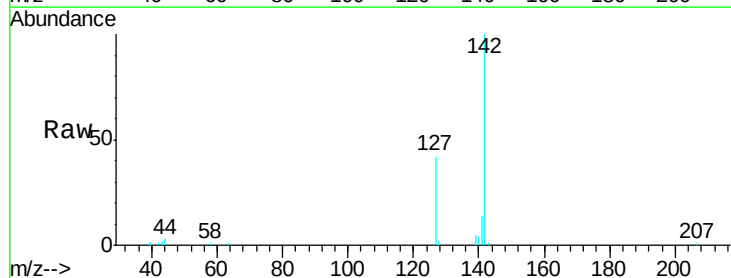
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

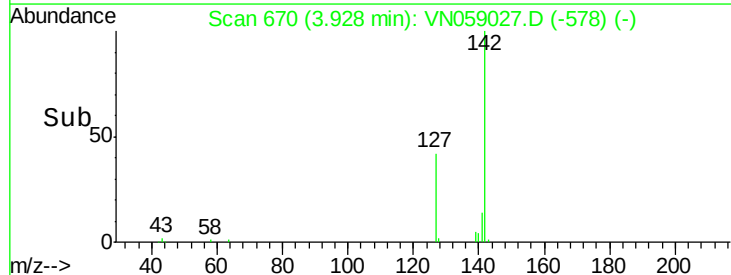
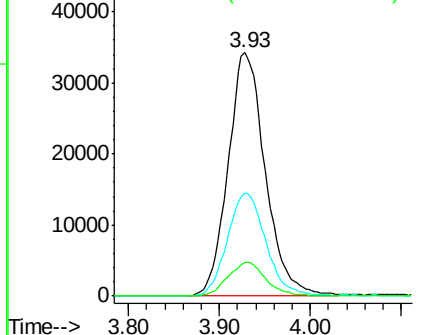
Tgt Ion:	142	Resp:	97407
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.6	54.8
141	14.2	11.4	17.2

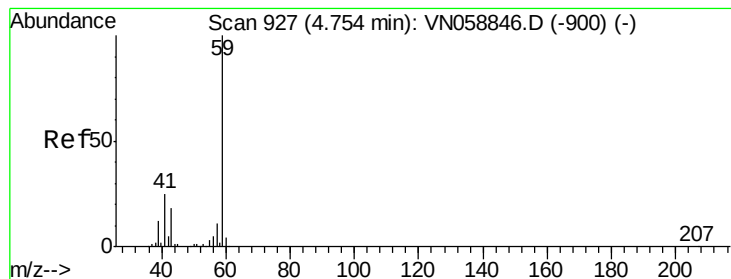


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

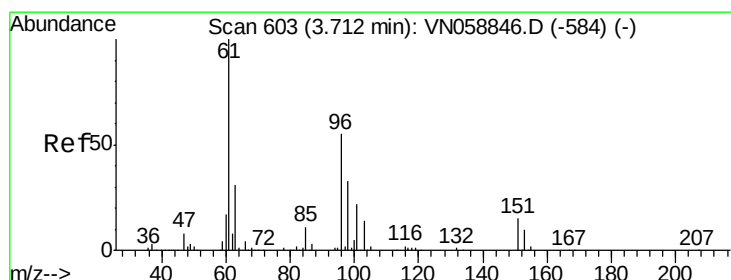
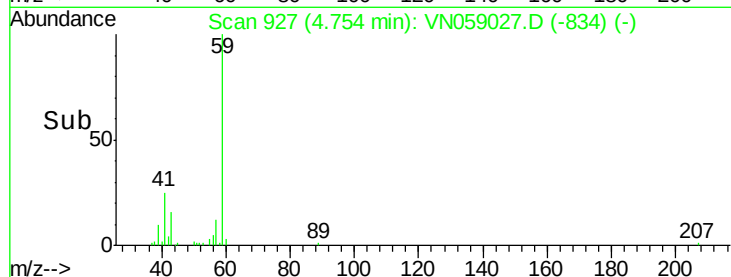
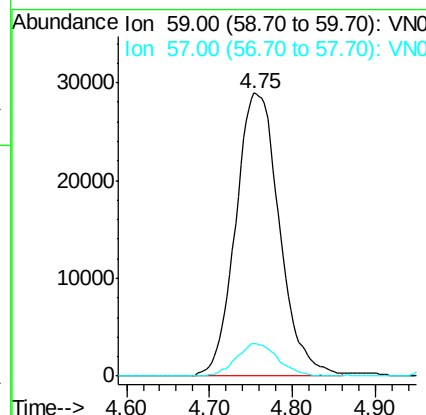
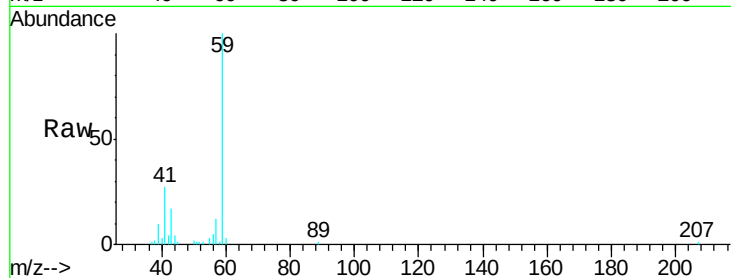
Tert butyl alcohol
Concen: 110.575 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	106111		
57	11.0		8.6	12.8

Manual Integrations
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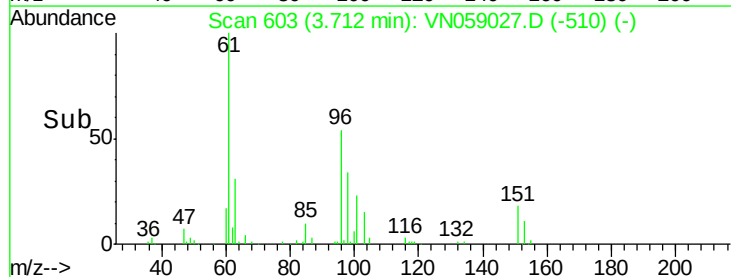
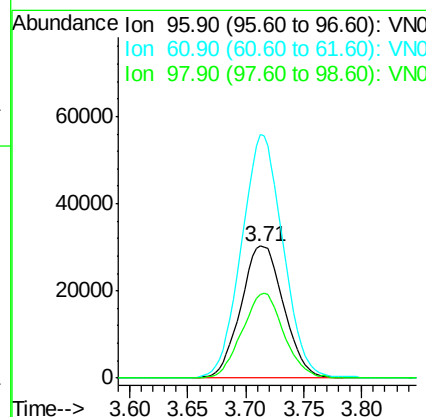
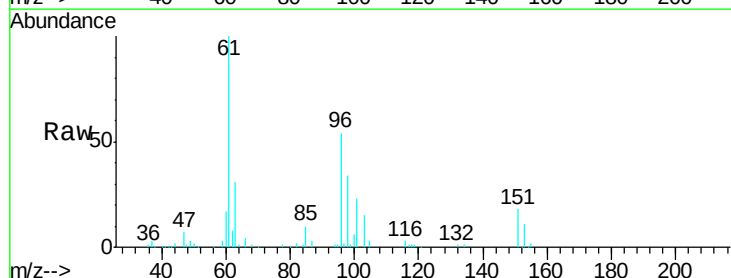
MMDadoda
11/4/2019 7:04:09 AM

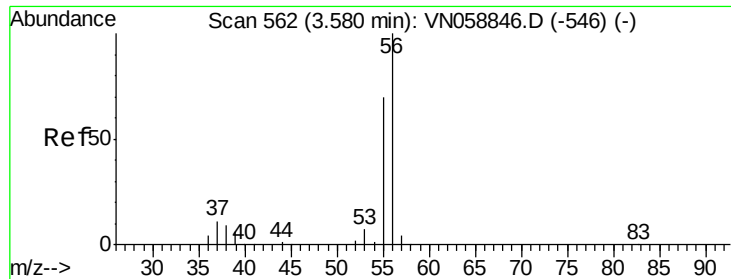


#12

1,1-Dichloroethene
Concen: 20.044 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	77910		
61	184.6		146.2	219.2
98	63.3		48.7	73.1





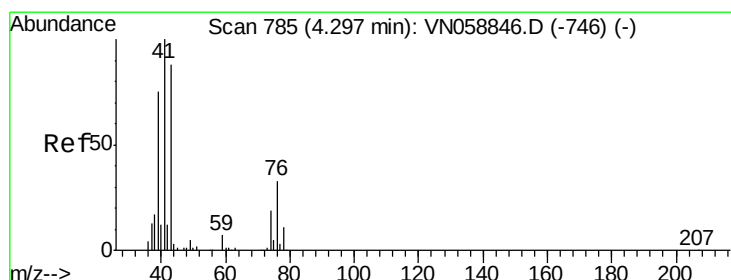
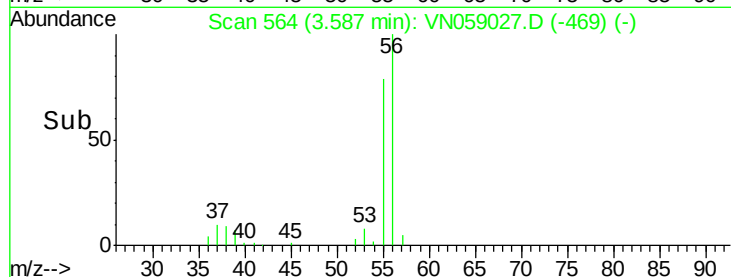
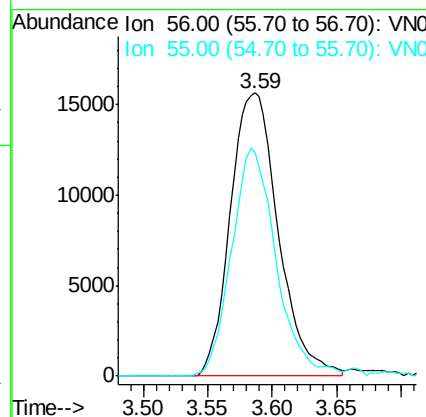
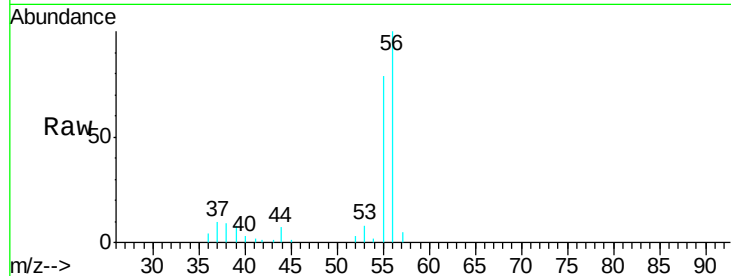
#13
 Acrolein
 Concen: 61.365 ug/l
 RT: 3.59 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	74.7	56.6	85.0

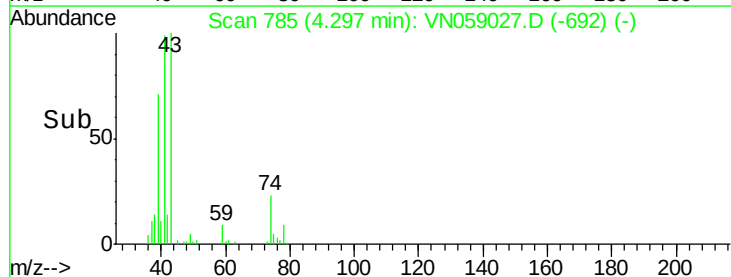
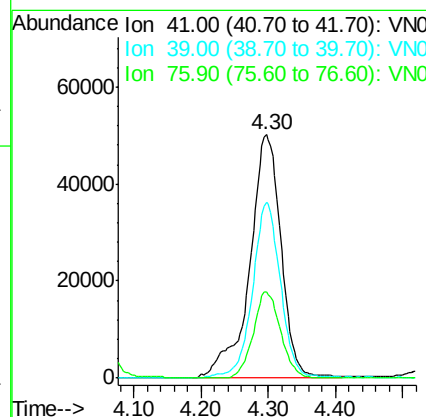
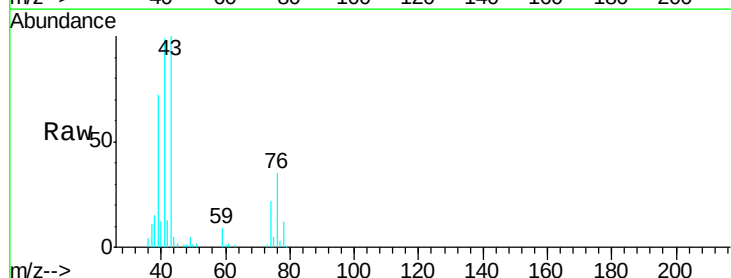
Manual Integrations
 APPROVED

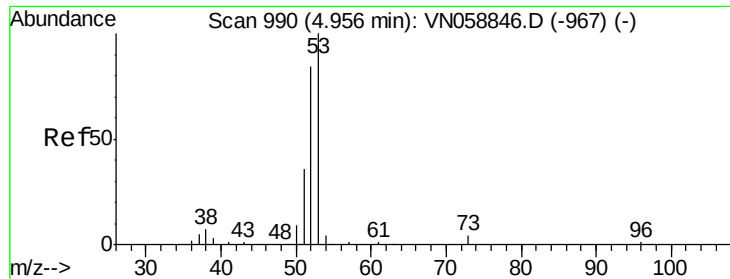
MMDadoda
 11/4/2019 7:04:09 AM



#14
 Allyl chloride
 Concen: 20.729 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.3	55.9	83.9
76	30.6	24.1	36.1





#15

Acrylonitrile

Concen: 113.855 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

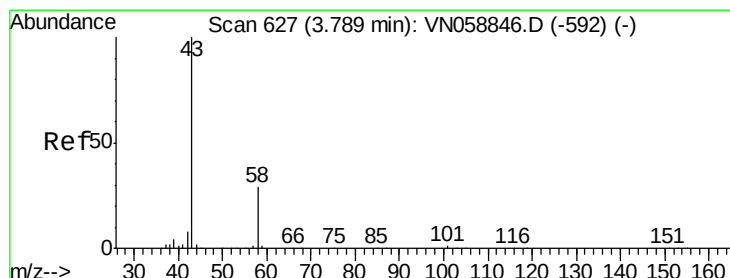
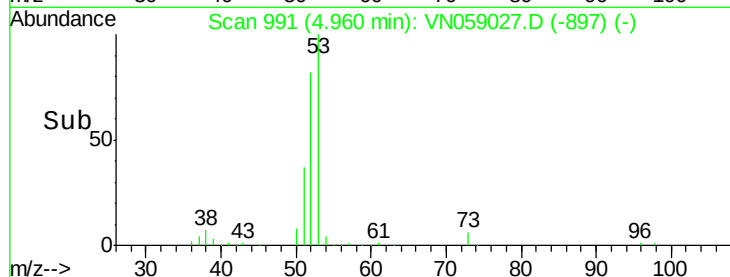
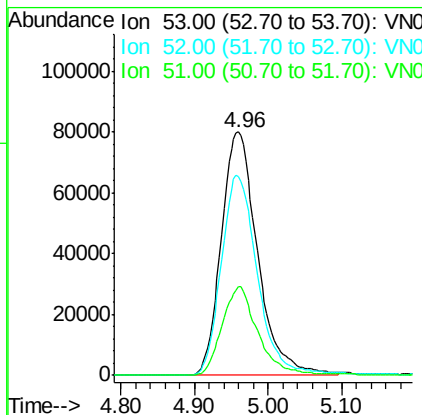
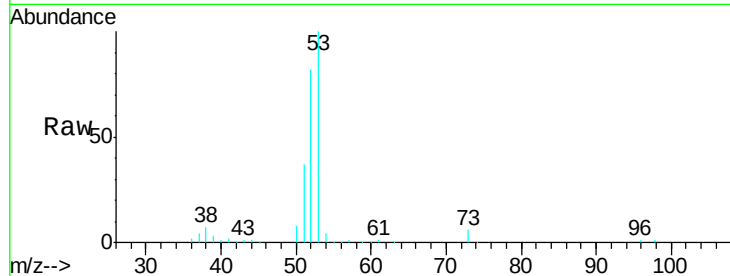
ClientSampled :

VN1031WBS01

Tgt Ion:	53	Resp:	274830
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	99.8
51	35.8	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 109.541 ug/l

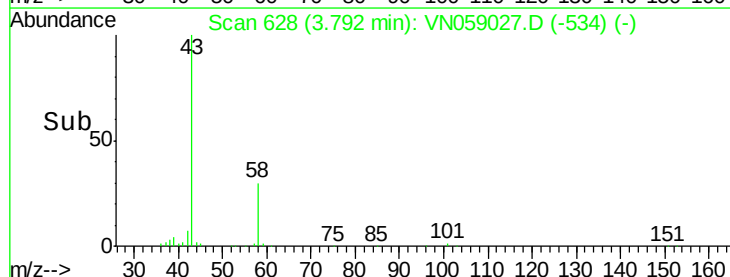
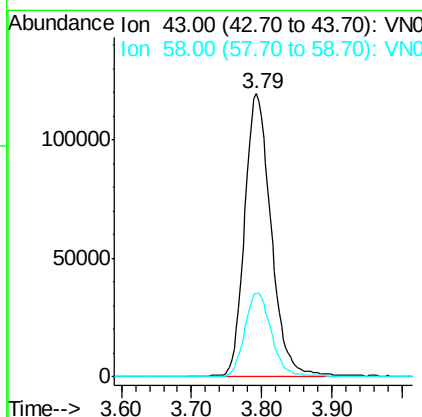
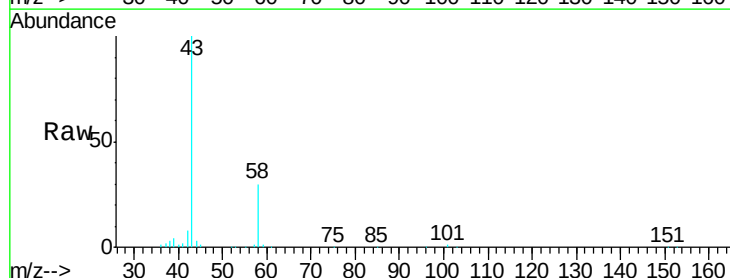
RT: 3.79 min Scan# 628

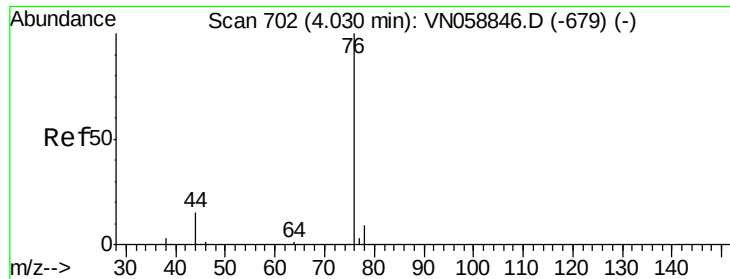
Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion:	43	Resp:	313014
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.1	34.7





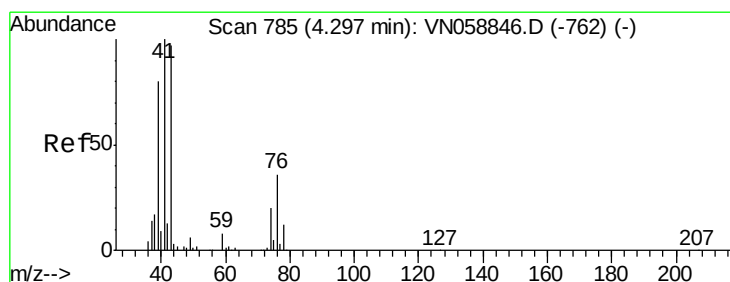
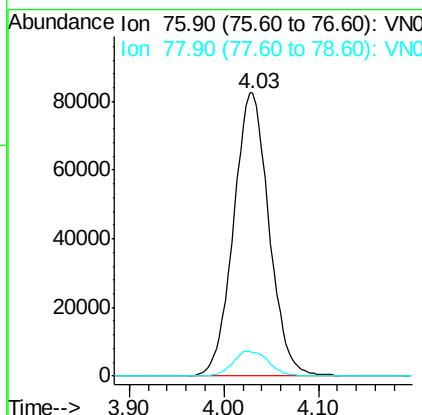
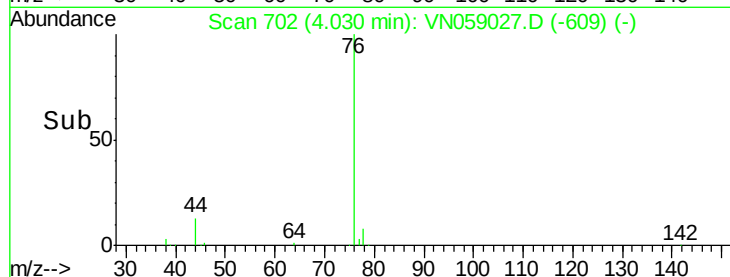
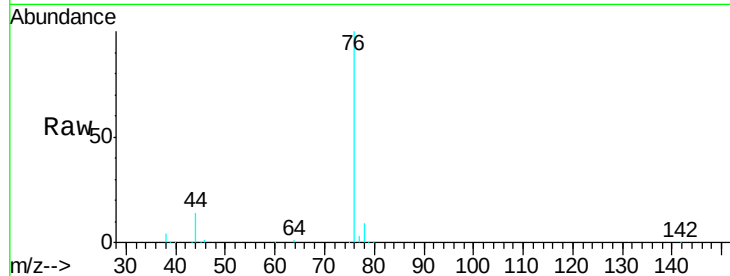
#17
Carbon Disulfide
Concen: 17.176 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 76 Resp: 215055
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

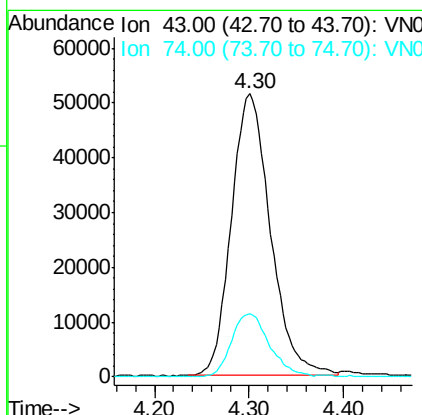
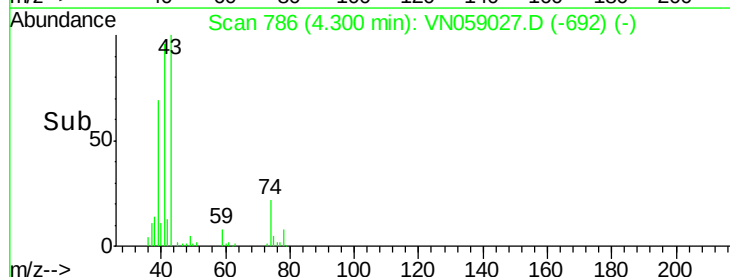
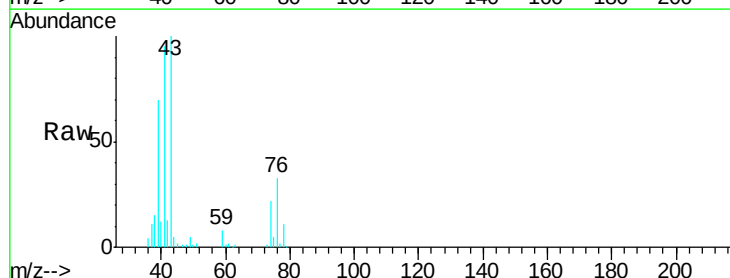
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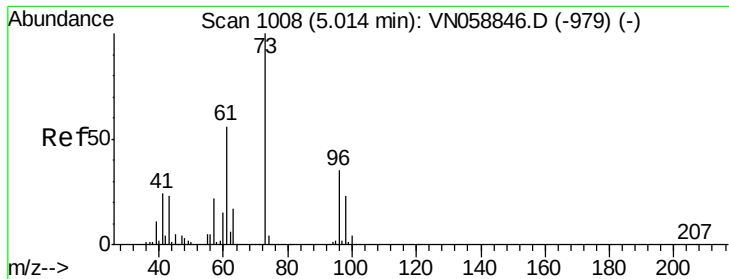
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11/4/2019 7:04:09 AM



#18
Methyl Acetate
Concen: 22.787 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 43 Resp: 148037
Ion Ratio Lower Upper
43 100
74 21.8 17.1 25.7





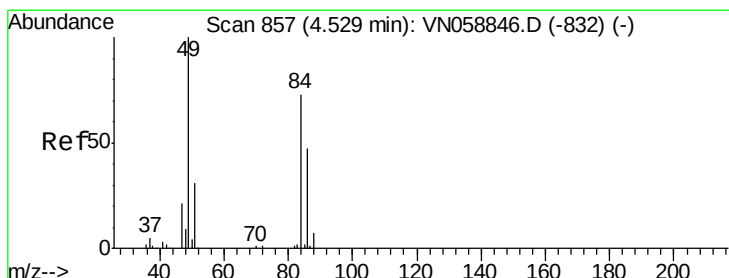
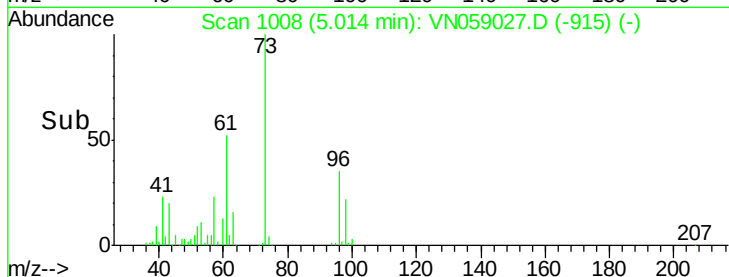
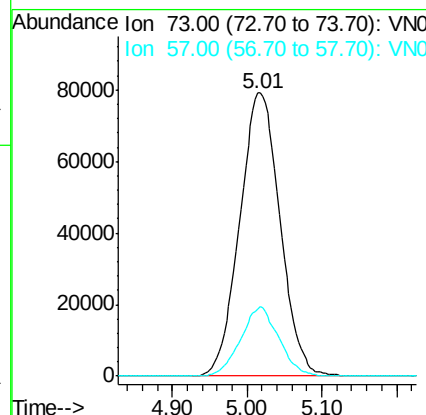
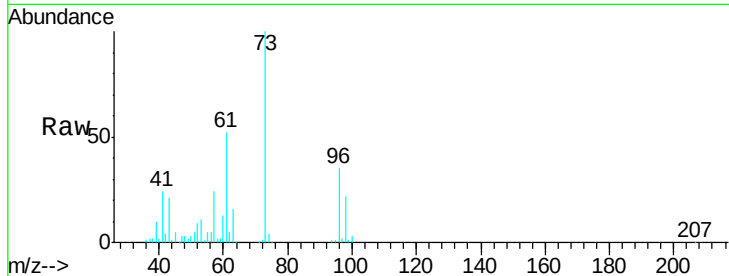
#19
Methyl tert-butyl Ether
Concen: 21.805 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 73 Resp: 296775
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9

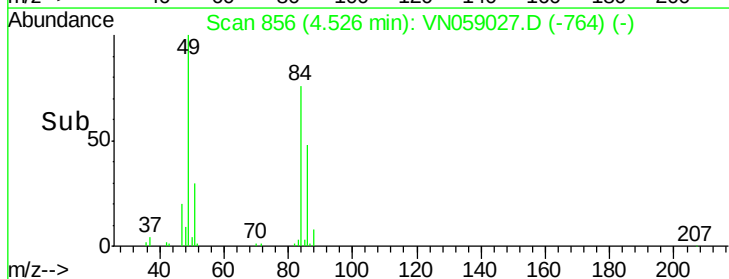
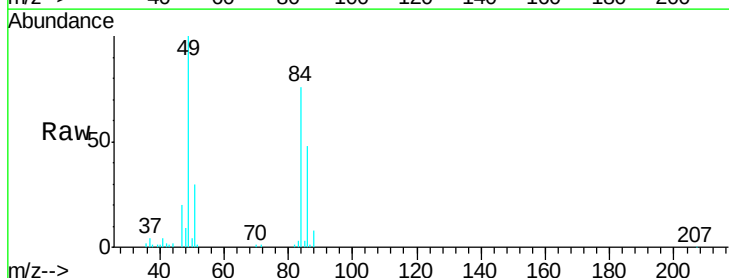
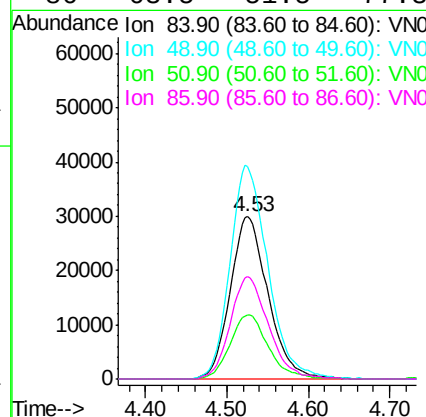
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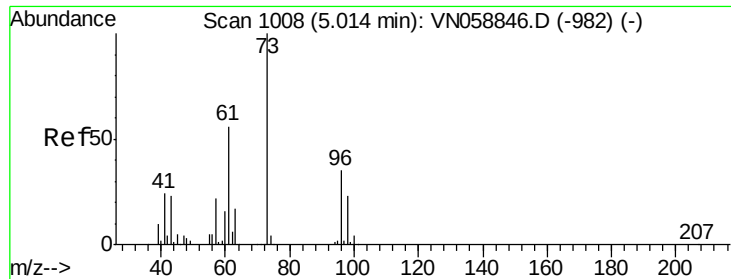
MMDadoda
11/4/2019 7:04:09 AM



#20
Methylene Chloride
Concen: 19.845 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 84 Resp: 96827
Ion Ratio Lower Upper
84 100
49 131.0 109.6 164.4
51 39.3 33.8 50.6
86 63.5 51.5 77.3





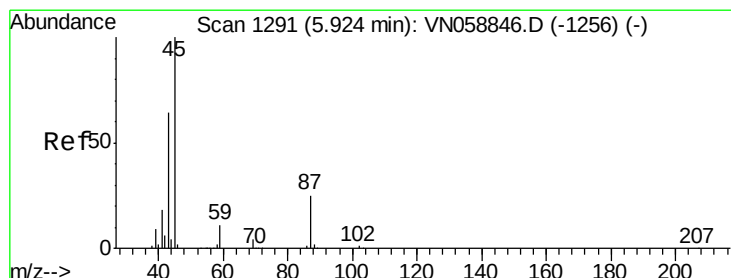
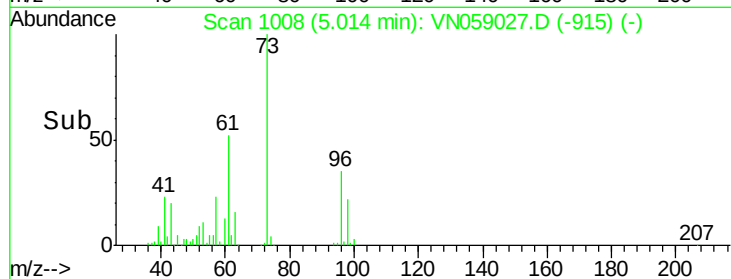
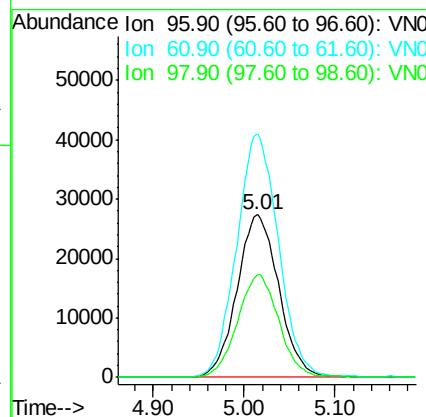
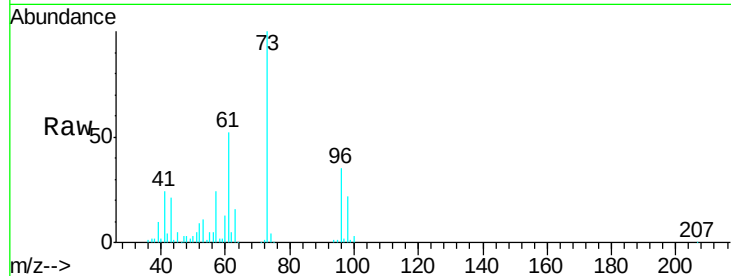
#21
trans-1,2-Dichloroethene
Concen: 20.322 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.5	126.7	190.1
98	63.0	52.0	78.0

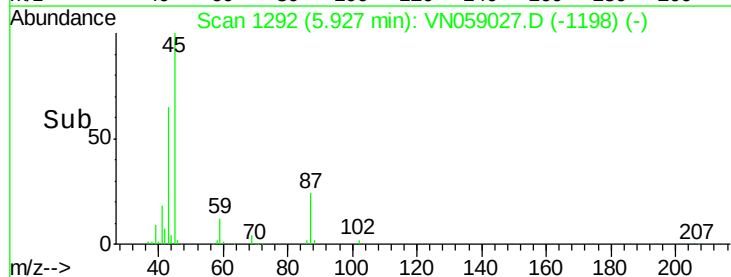
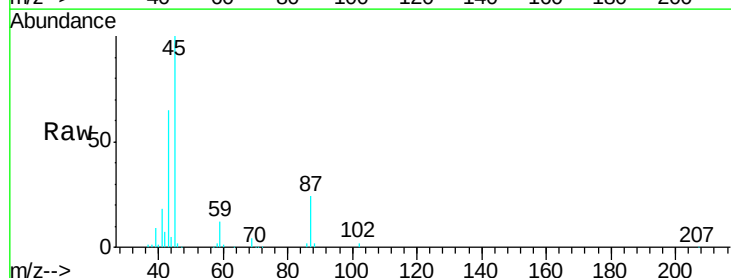
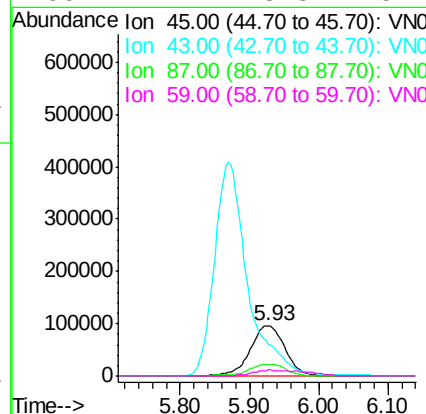
Manual Integrations
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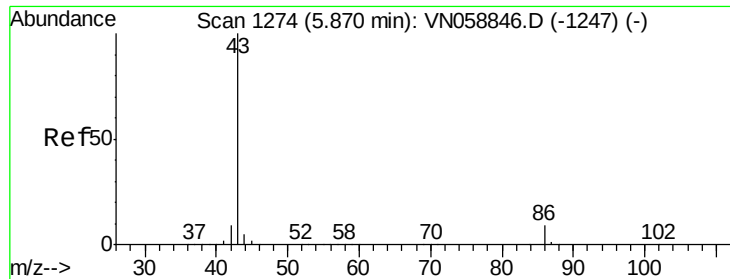
MMDadoda
11/4/2019 7:04:09 AM



#22
Diisopropyl ether
Concen: 21.677 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	52.9	79.3
87	24.3	20.2	30.4
59	11.4	8.8	13.2





#23

Vinyl Acetate

Concen: 110.281 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 43 Resp: 1363086

Ion Ratio Lower Upper

43 100

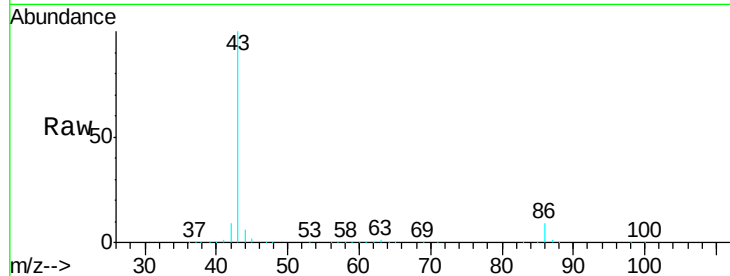
86 9.2 7.2 10.8

Manual Integrations

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MMDadoda

11/4/2019 7:04:09 AM



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN058846.D (-1247) (-)

5.87

400000

300000

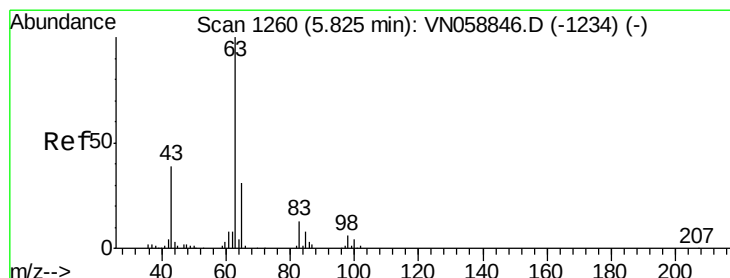
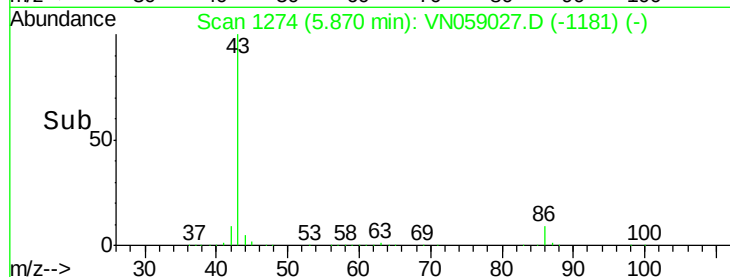
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.388 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

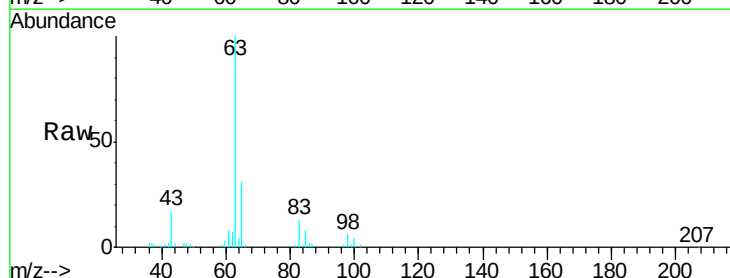
Tgt Ion: 63 Resp: 181868

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058846.D (-1234) (-)

5.82

80000

60000

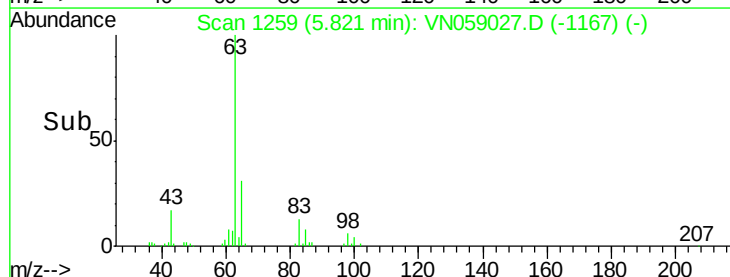
40000

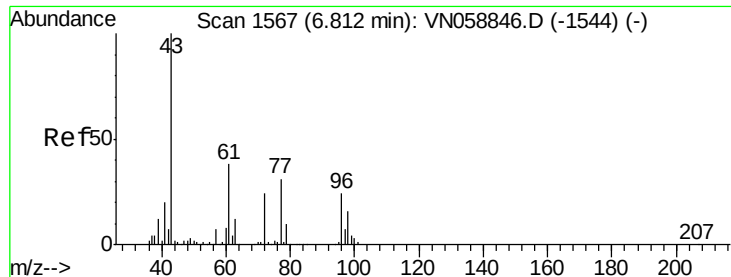
20000

0

5.70 5.80 5.90

Time-->





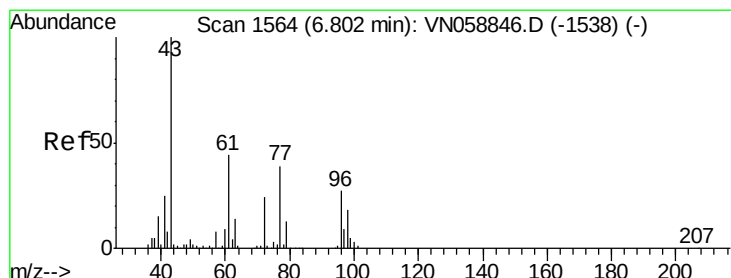
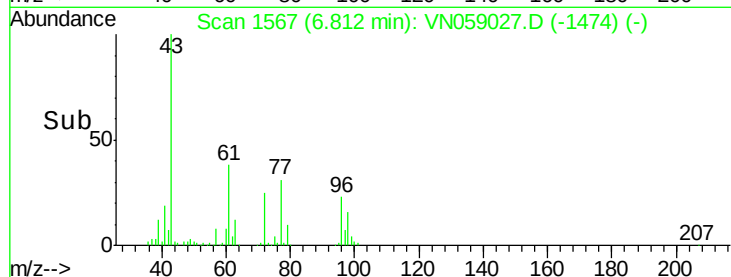
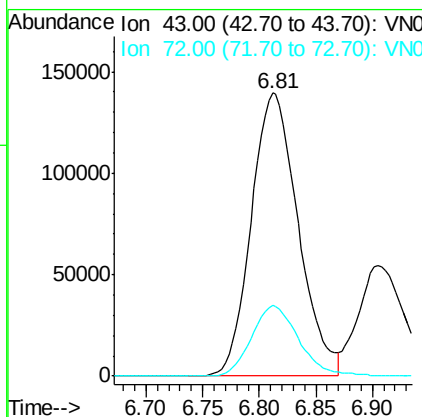
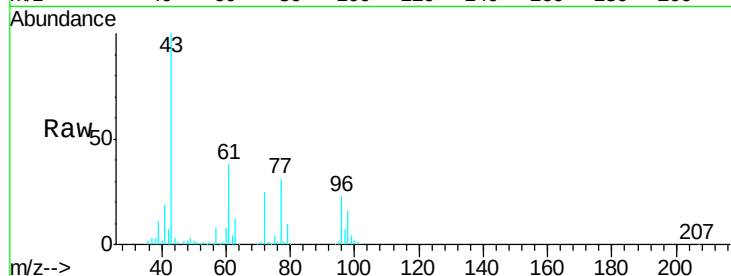
#25
2-Butanone
Concen: 107.800 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 43 Resp: 399868
Ion Ratio Lower Upper
43 100
72 25.0 19.1 28.7

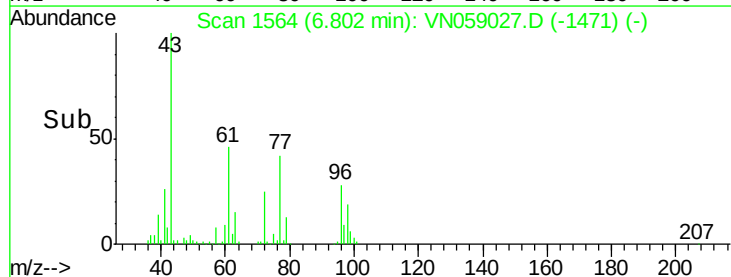
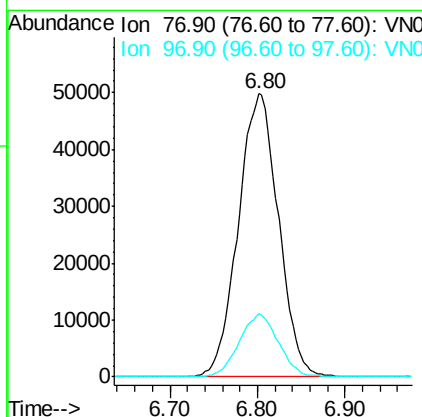
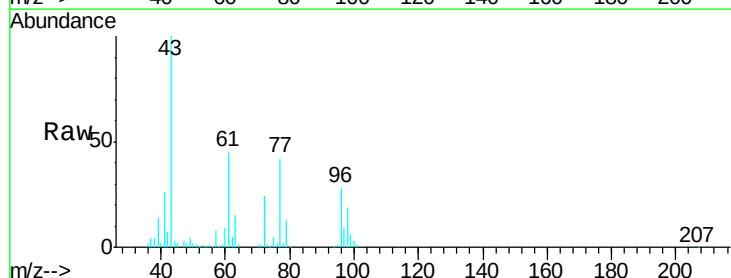
Manual Integrations
APPROVED

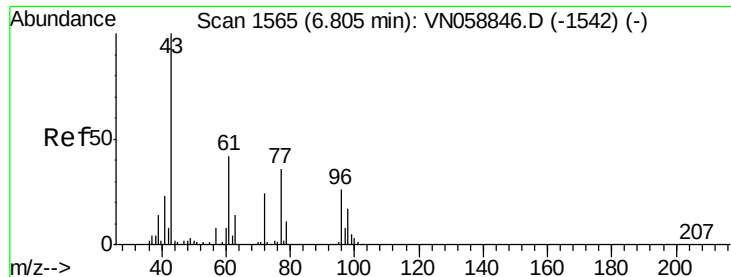
MMDadoda
11/4/2019 7:04:09 AM



#26
2,2-Dichloropropane
Concen: 20.524 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 77 Resp: 158362
Ion Ratio Lower Upper
77 100
97 21.7 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.699 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

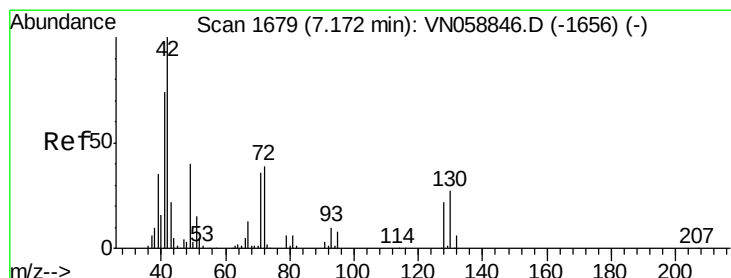
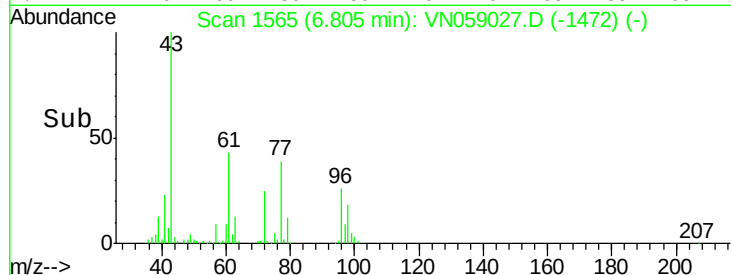
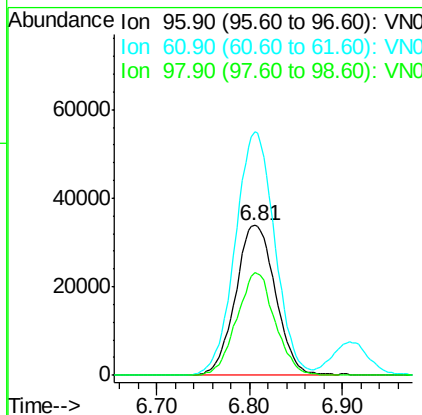
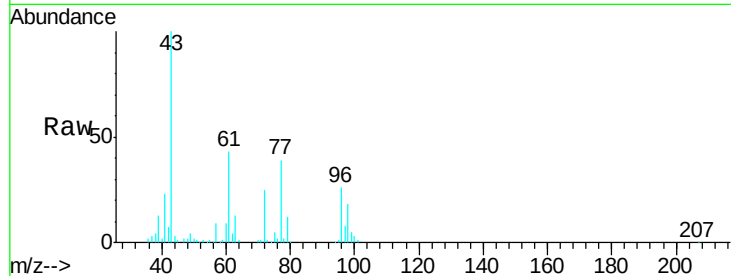
ClientSampleId :

VN1031WBS01

Tgt Ion:	96	Resp:	101497
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	325.0
98	65.3	0.0	128.0

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#28

Bromochloromethane

Concen: 19.305 ug/l

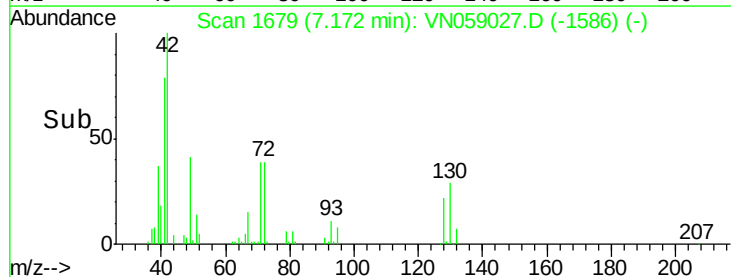
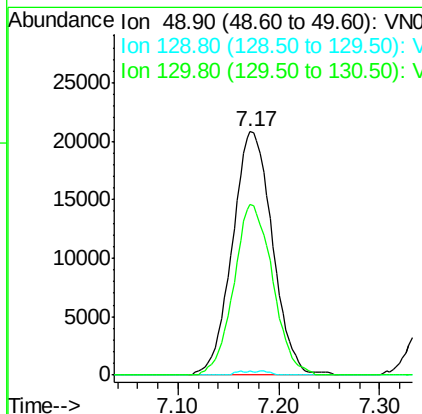
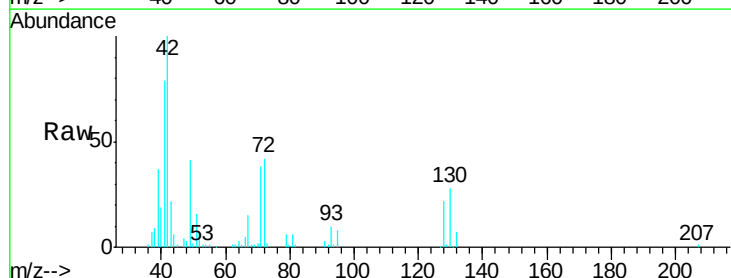
RT: 7.17 min Scan# 1679

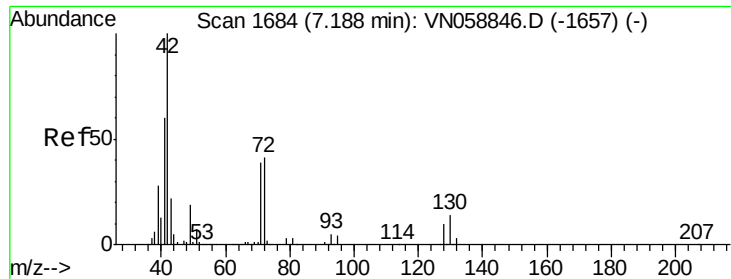
Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion:	49	Resp:	57353
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.2
130	67.7	53.5	80.3





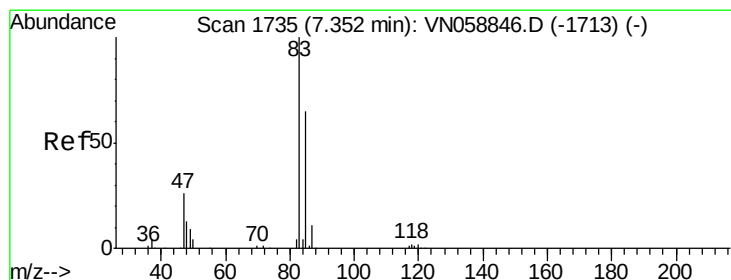
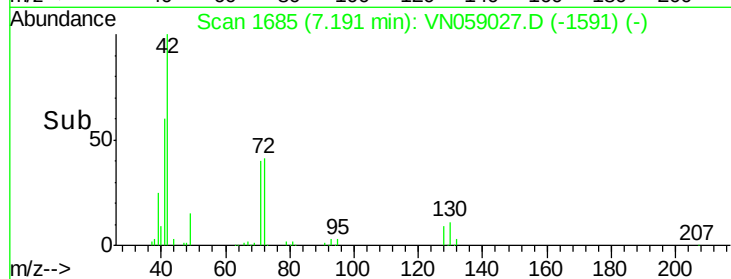
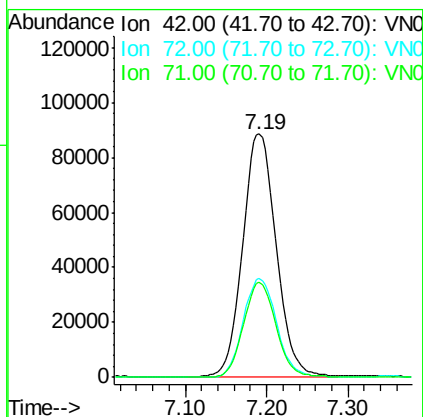
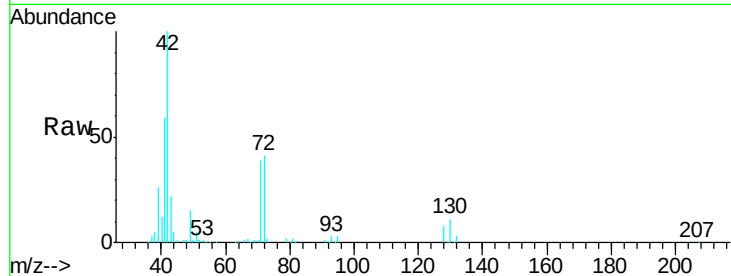
#29
Tetrahydrofuran
Concen: 111.192 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.2	48.2
71	37.8	30.6	45.8

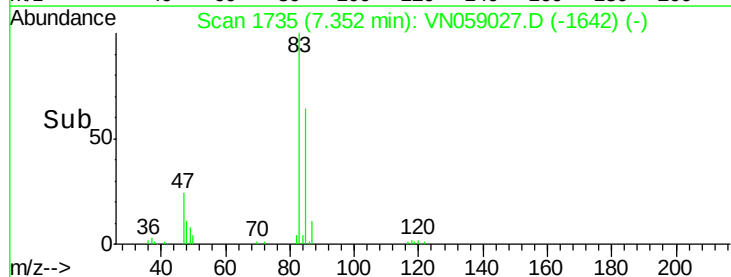
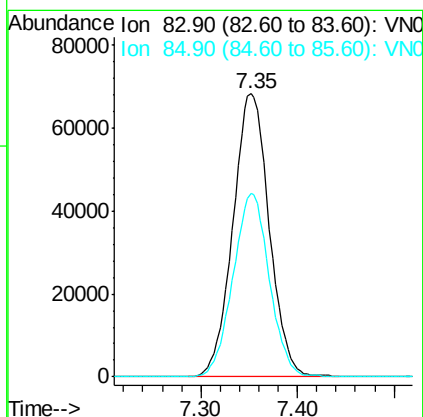
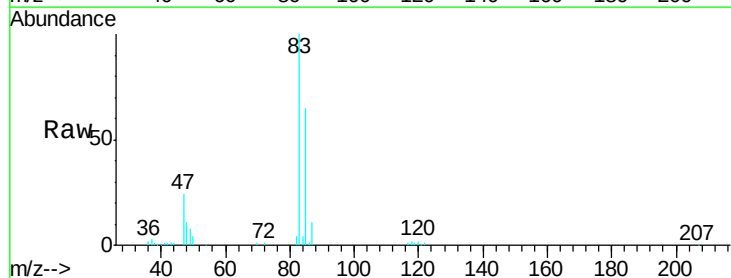
Manual Integrations
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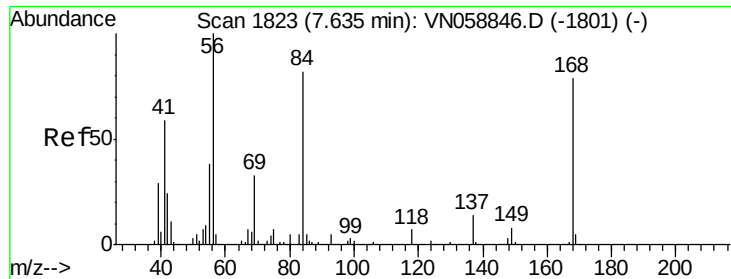
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#30
Chloroform
Concen: 19.854 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.9	77.9





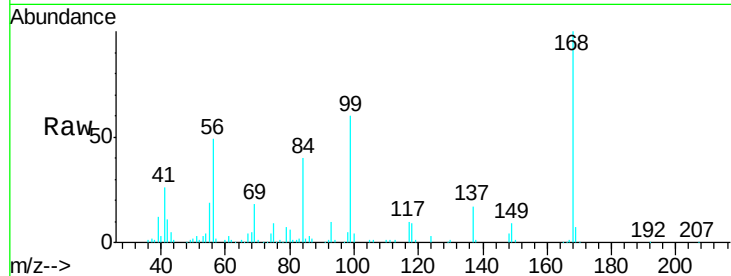
#31
Cyclohexane
Concen: 18.894 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.2	39.4
84	80.0	65.6	98.4

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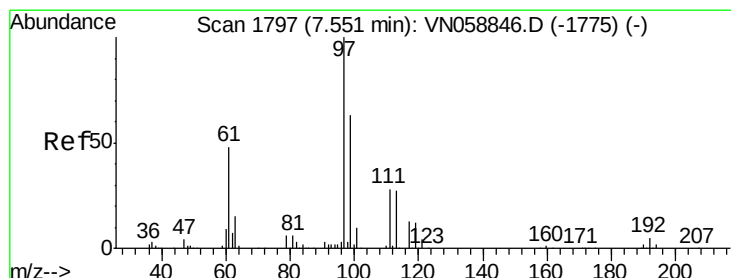
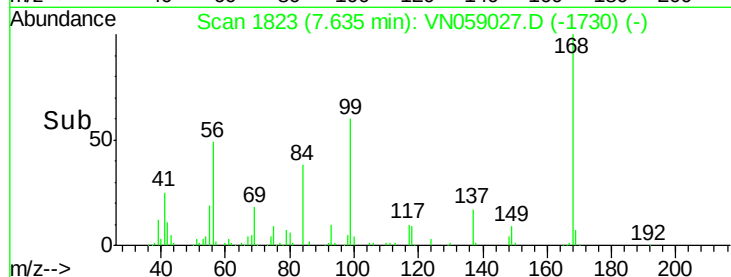
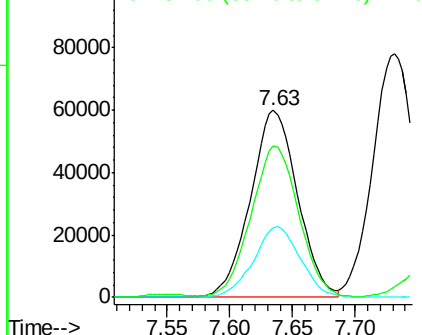


Abundance

Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32
1,1,1-Trichloroethane
Concen: 20.011 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

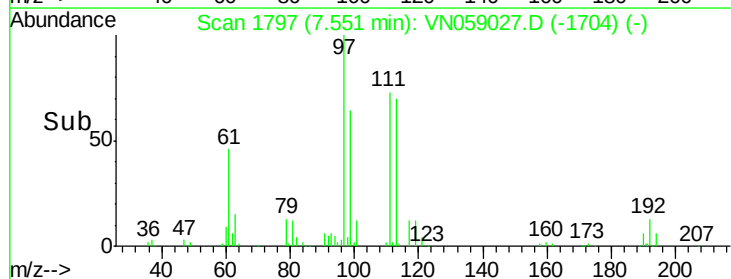
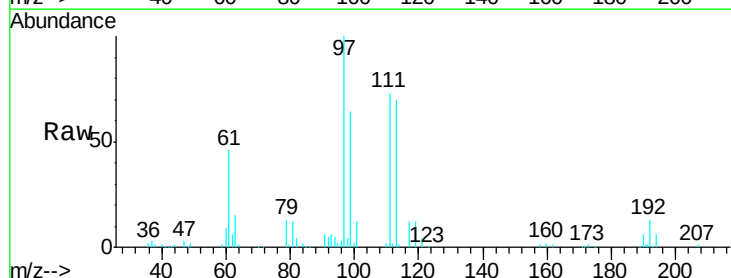
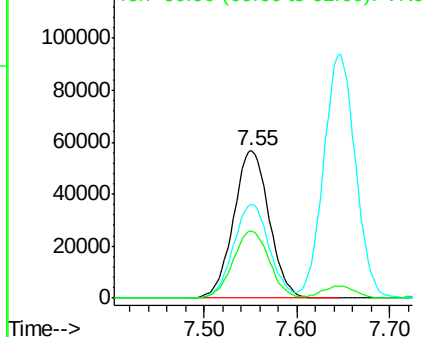
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	46.3	38.6	58.0

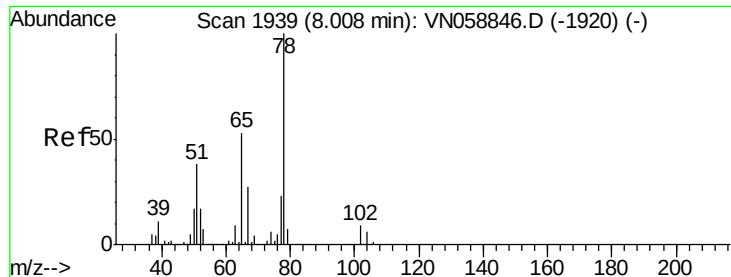
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





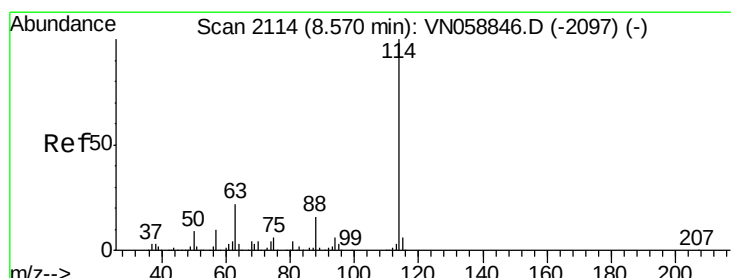
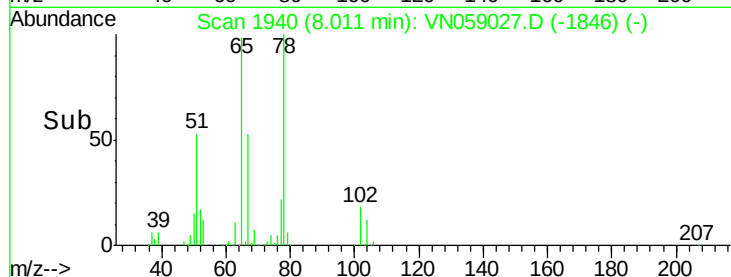
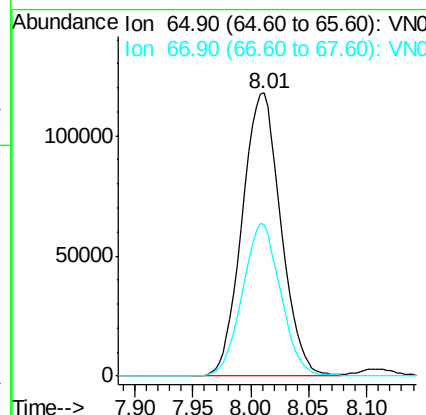
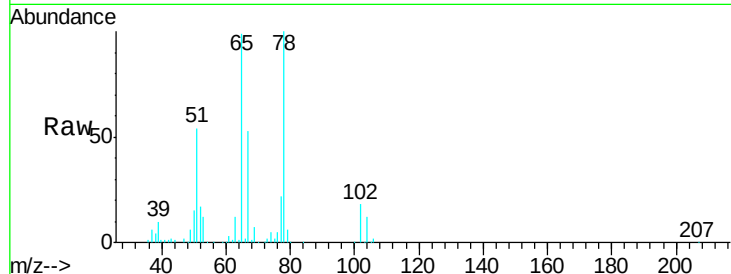
#33
 1,2-Dichloroethane-d4
 Concen: 47.461 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	274457		
67	53.2	0.0	103.2	

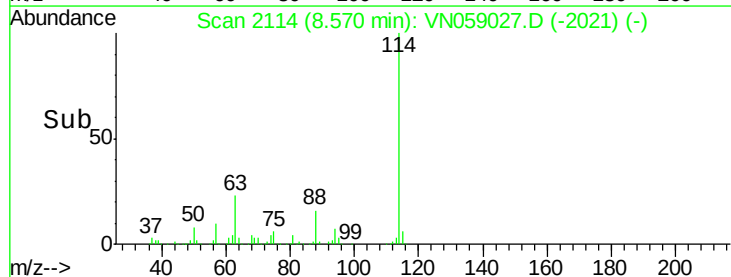
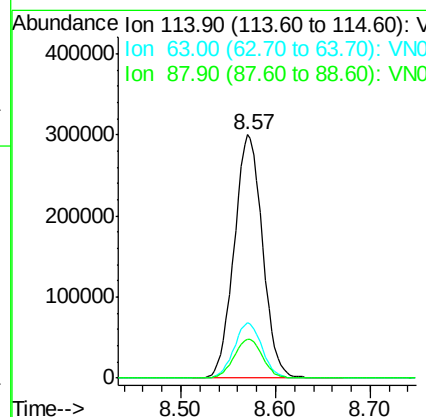
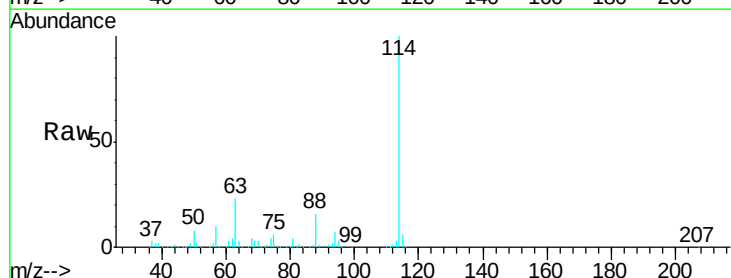
Manual Integrations
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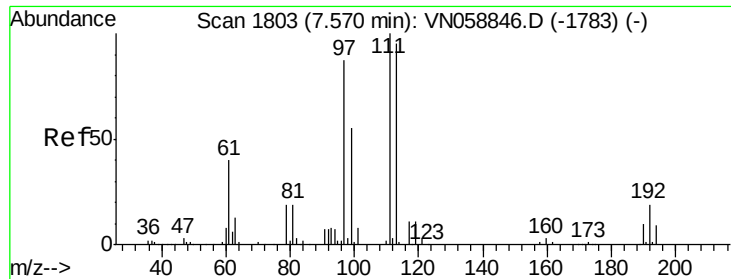
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 11/4/2019 7:04:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	625186		
63	22.6	0.0	44.4	
88	16.0	0.0	31.4	





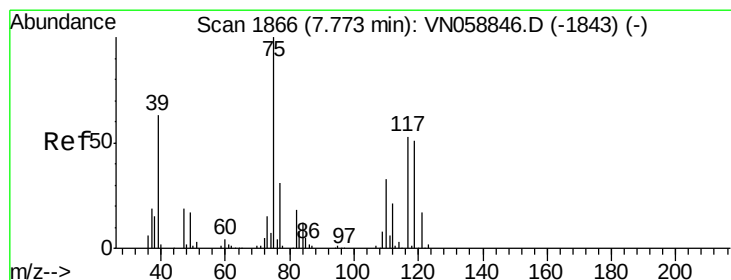
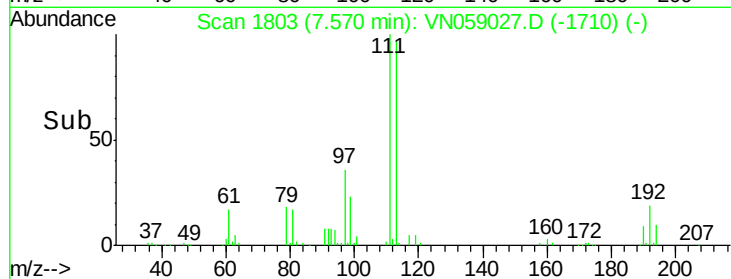
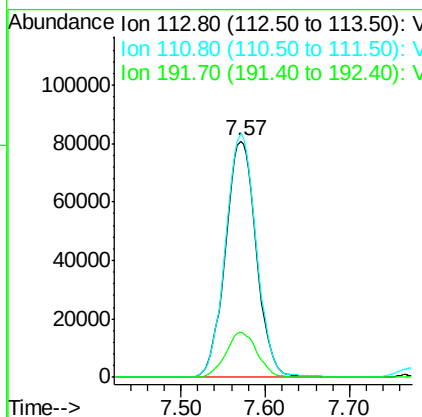
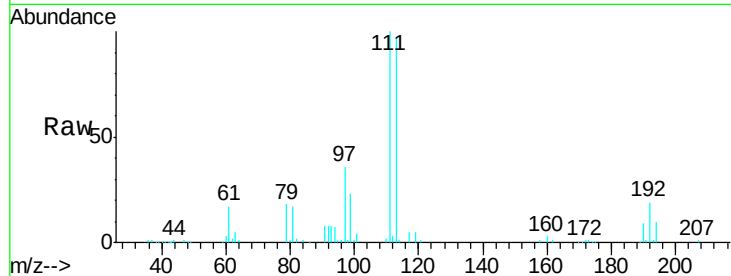
#35
 Dibromofluoromethane
 Concen: 50.152 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	206146		
111	102.8	82.0	123.0	
192	19.4	15.0	22.6	

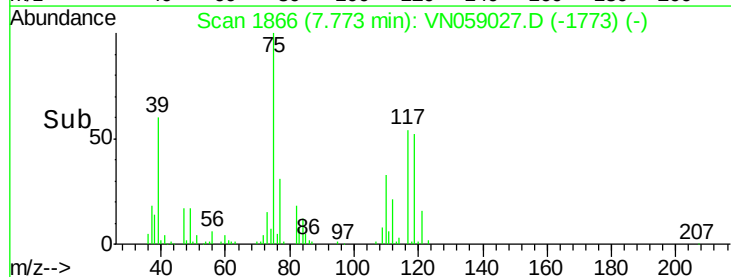
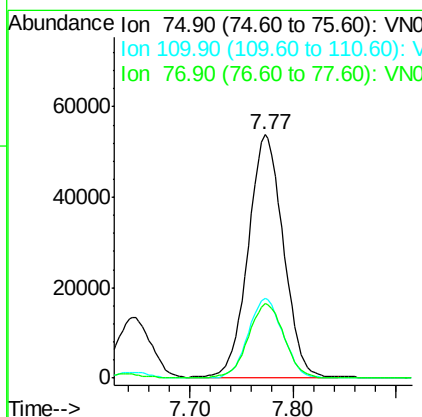
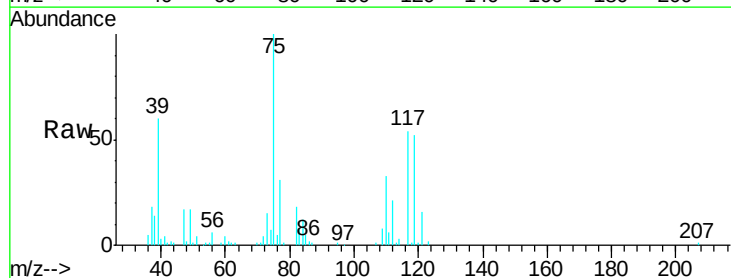
Manual Integrations
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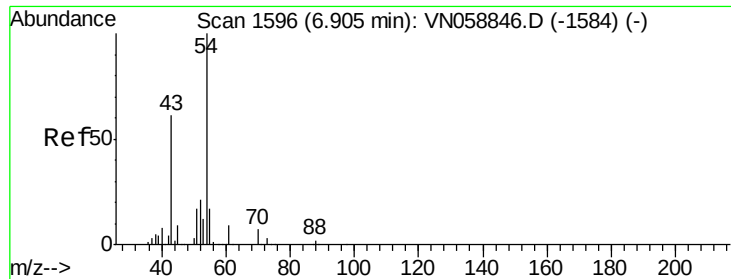
MMDadoda
 11/4/2019 7:04:09 AM



#36
 1,1-Dichloropropene
 Concen: 19.775 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126570		
110	32.6	16.3	48.9	
77	31.6	24.6	36.8	





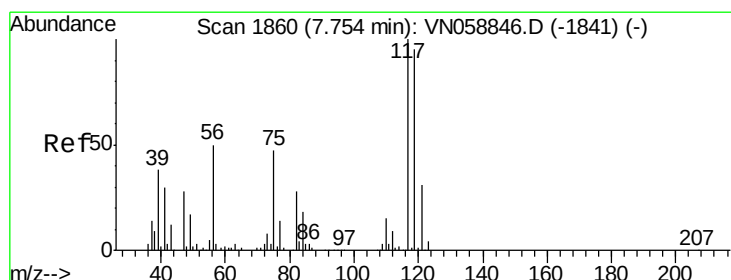
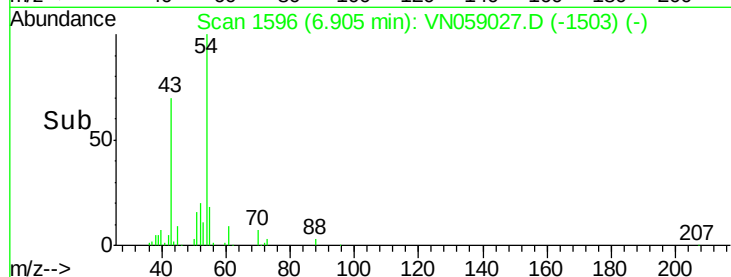
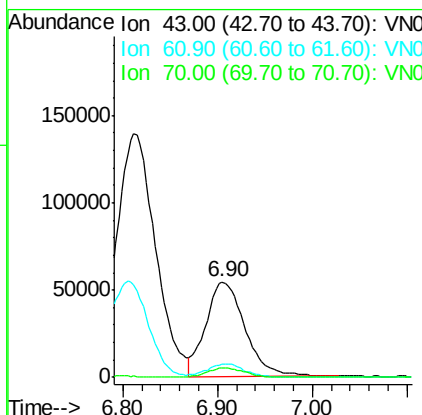
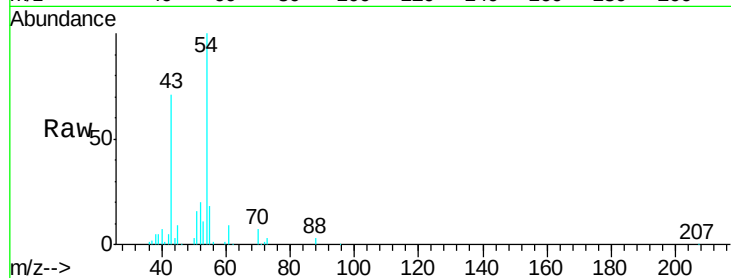
#37
Ethyl Acetate
Concen: 22.368 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	9.5	7.6	11.4

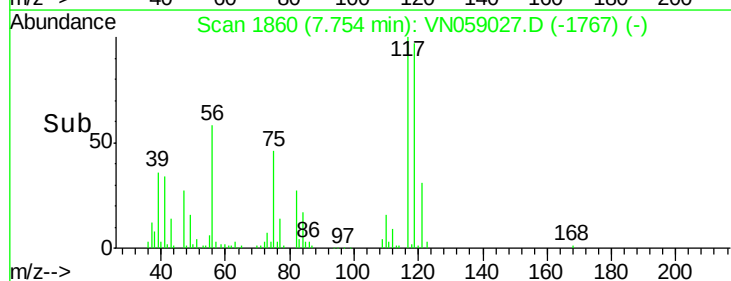
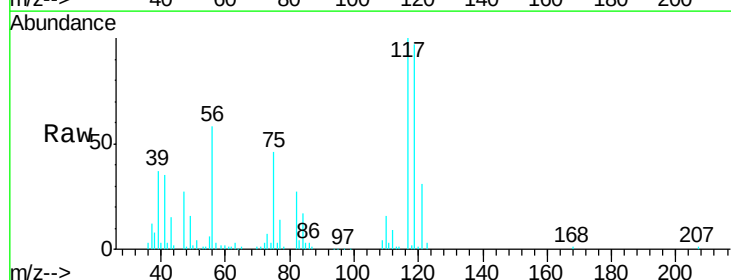
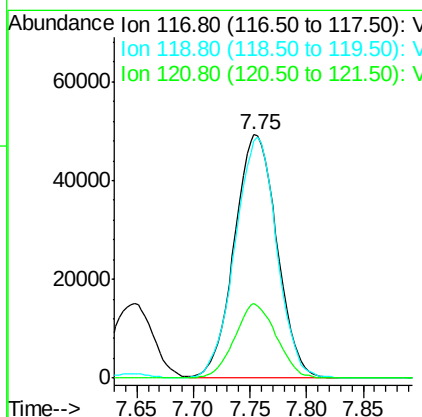
Manual Integrations
APPROVED

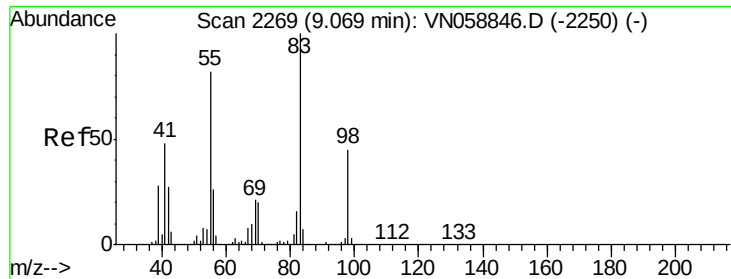
MMDadoda
11/4/2019 7:04:09 AM



#38
Carbon Tetrachloride
Concen: 19.593 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.7	113.5
121	30.5	25.0	37.6





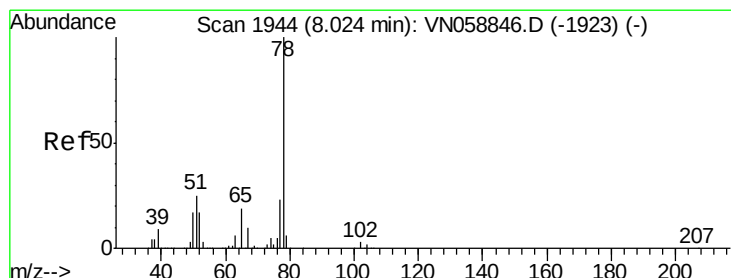
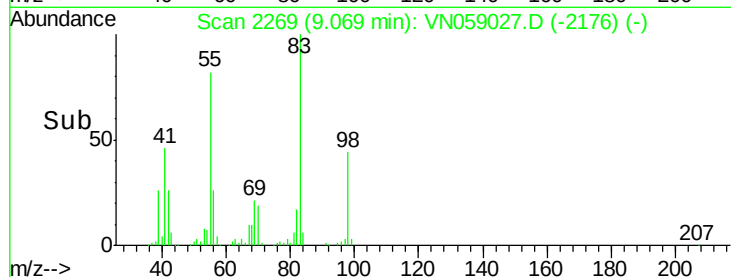
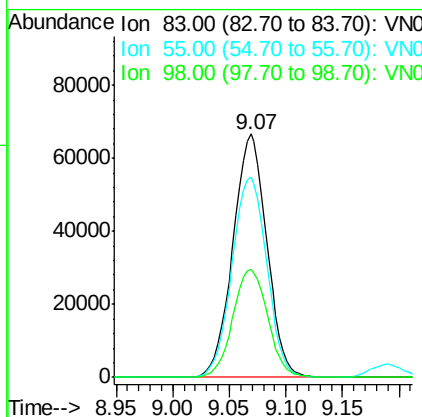
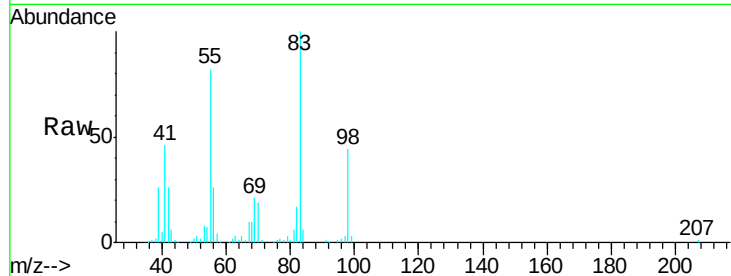
#39
Methylcyclohexane
Concen: 19.360 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	139136		
55	82.0	65.5	98.3	
98	44.4	35.7	53.5	

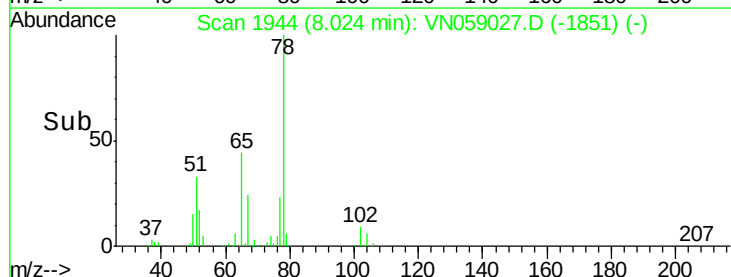
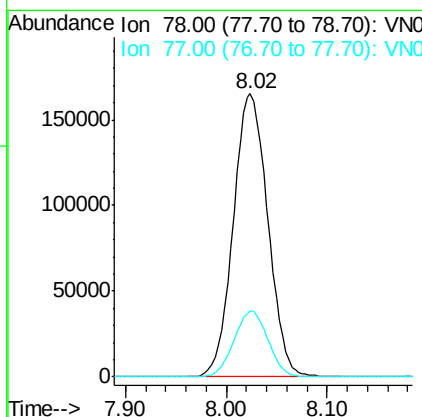
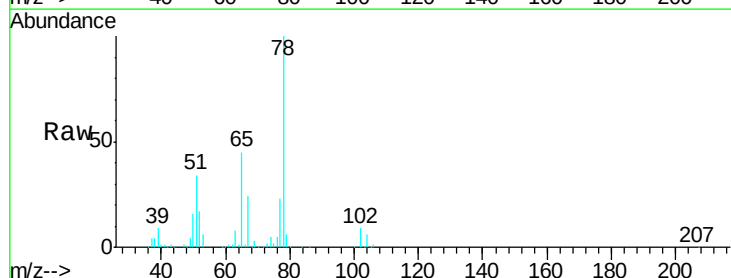
Manual Integrations
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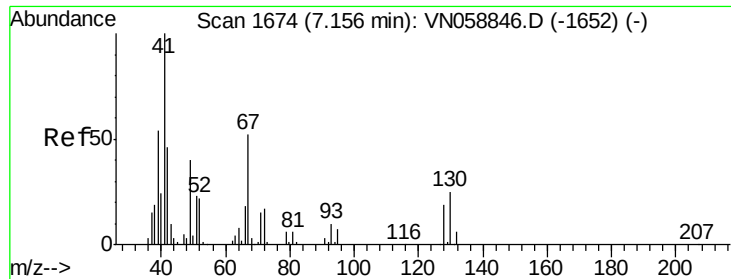
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#40
Benzene
Concen: 20.864 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	392145		
77	23.4	18.2	27.2	





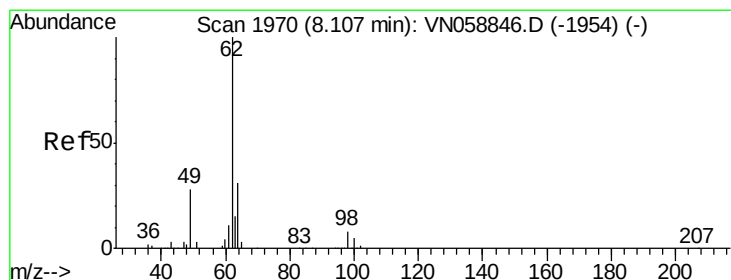
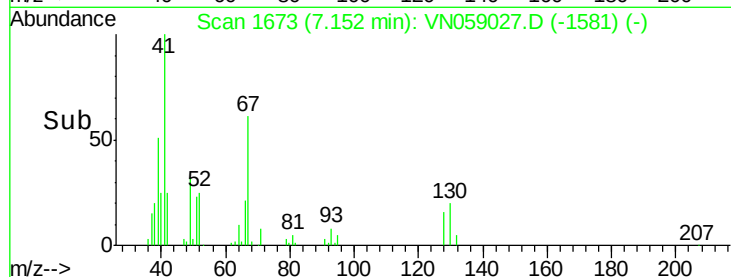
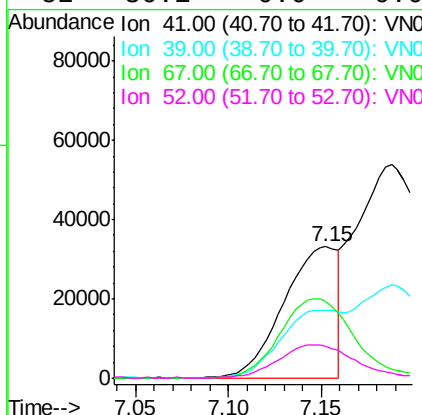
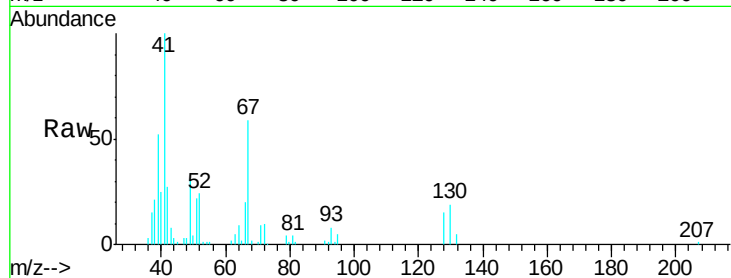
#41
Methacrylonitrile
Concen: 21.705 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.0	0.0	0.0#	
67	83.3	0.0	0.0#	
52	36.1	0.0	0.0#	

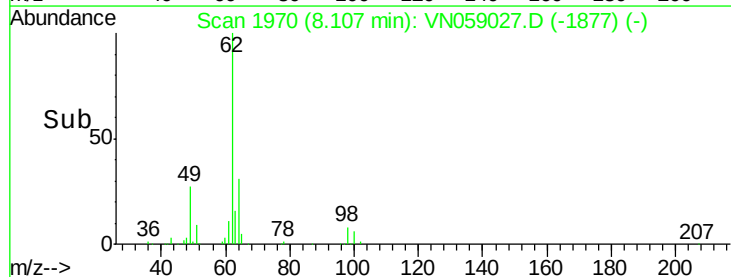
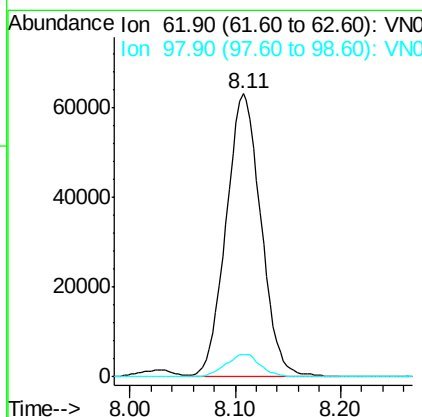
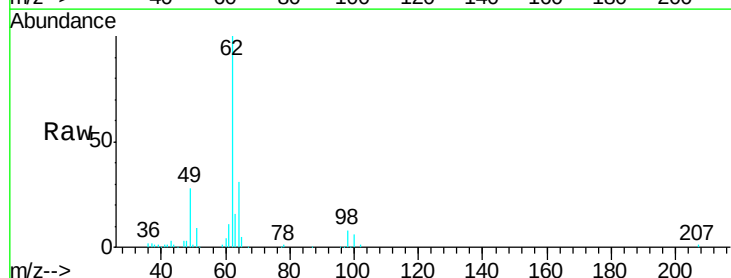
Manual Integrations
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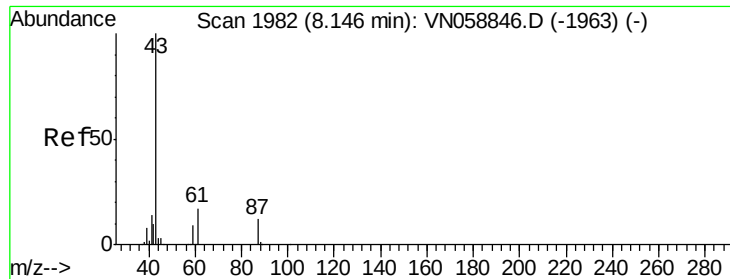
MMDadoda
11/4/2019 7:04:09 AM



#42
1,2-Dichloroethane
Concen: 19.965 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	16.2	





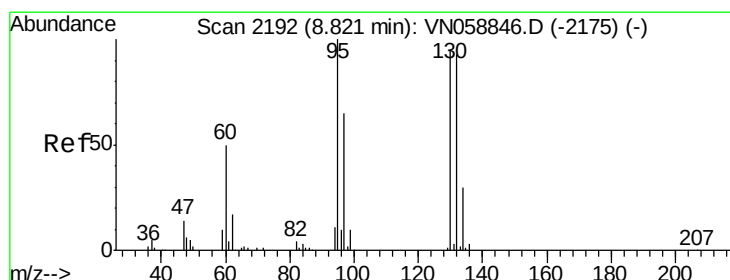
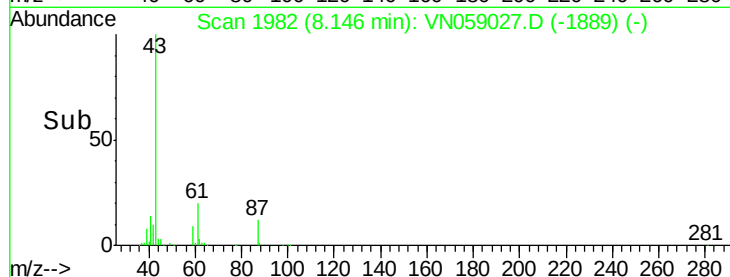
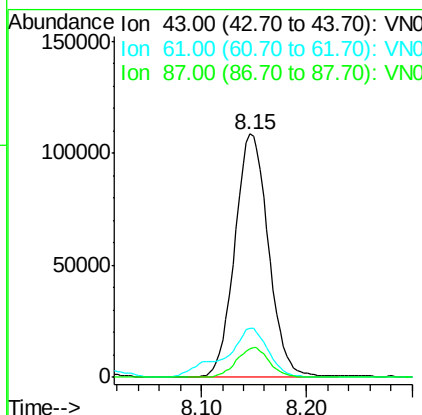
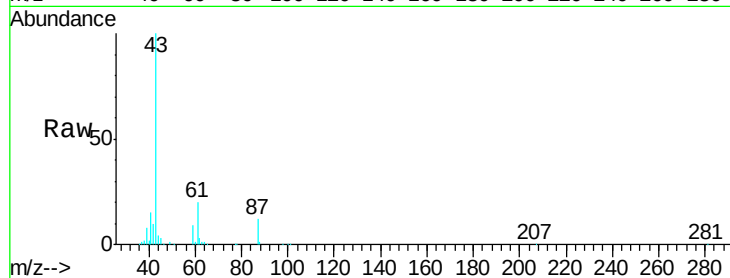
#43
Isopropyl Acetate
Concen: 21.400 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.2	30.2
87	12.0	9.5	14.3

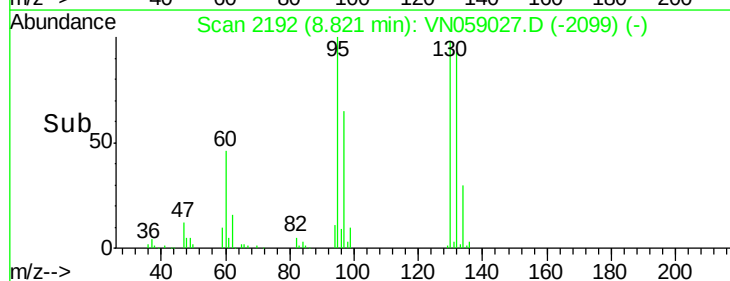
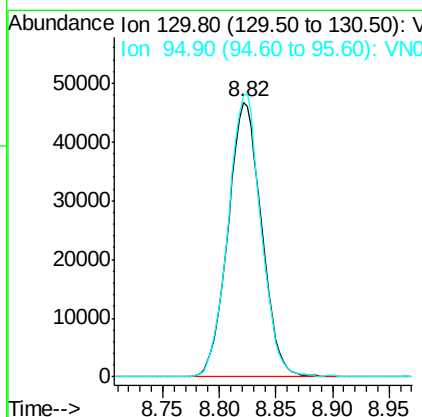
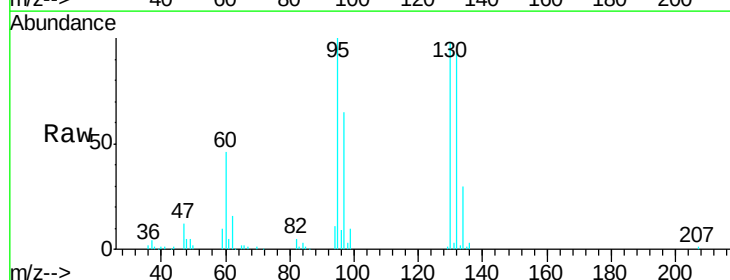
Manual Integrations
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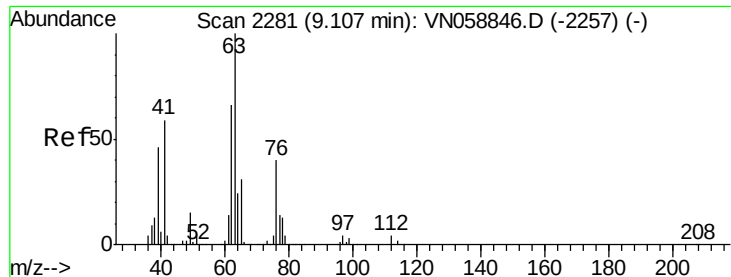
MMDadoda
11/4/2019 7:04:09 AM



#44
Trichloroethene
Concen: 21.073 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	209.6





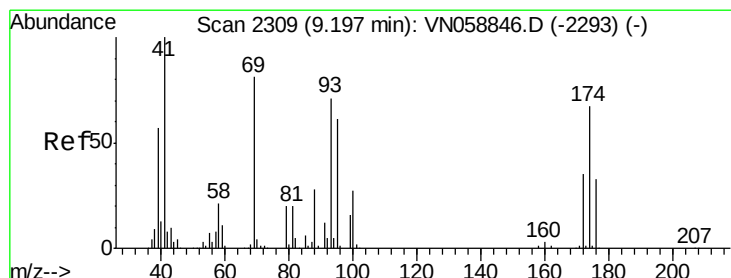
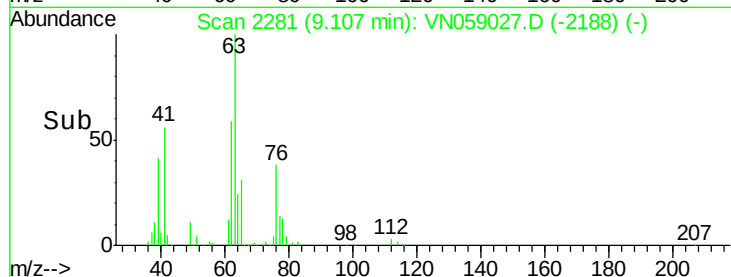
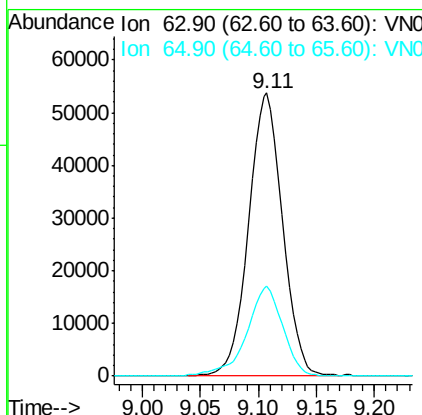
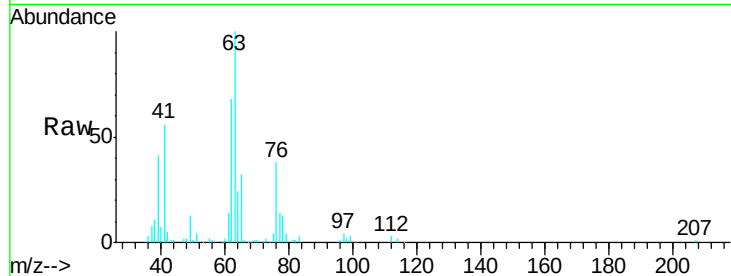
#45
 1,2-Dichloropropane
 Concen: 21.333 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion: 63 Resp: 109947
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.5 36.7

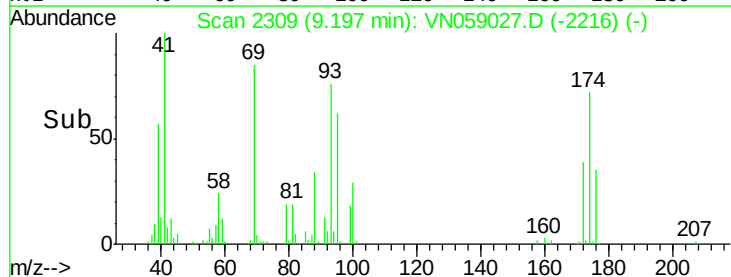
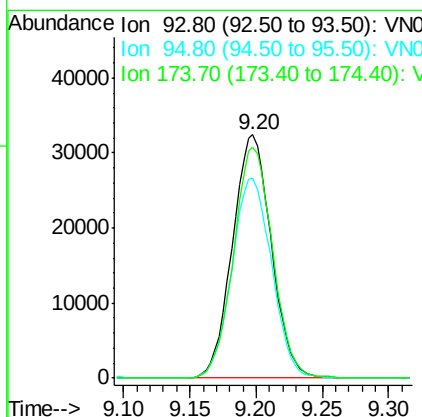
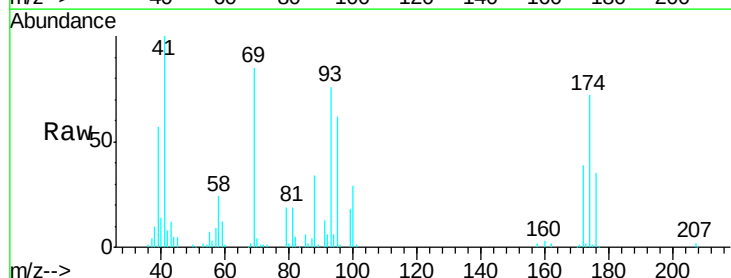
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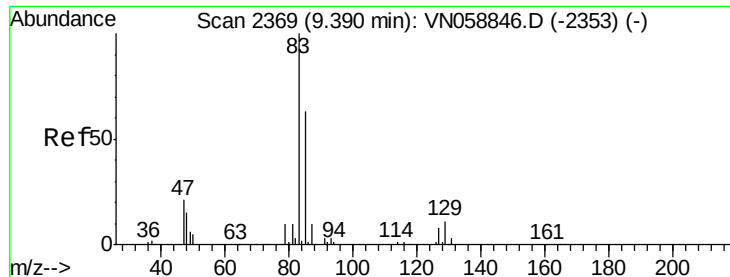
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 11/4/2019 7:04:09 AM



#46
 Dibromomethane
 Concen: 20.273 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion: 93 Resp: 66055
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.6 101.4
 174 95.0 74.1 111.1





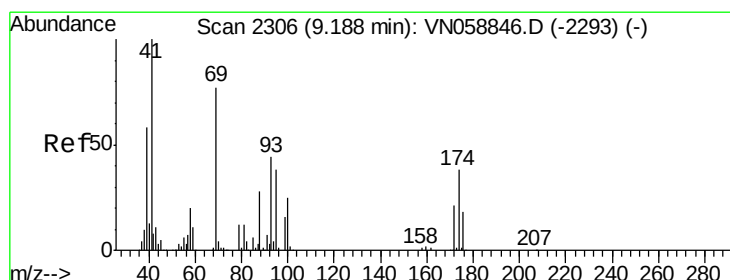
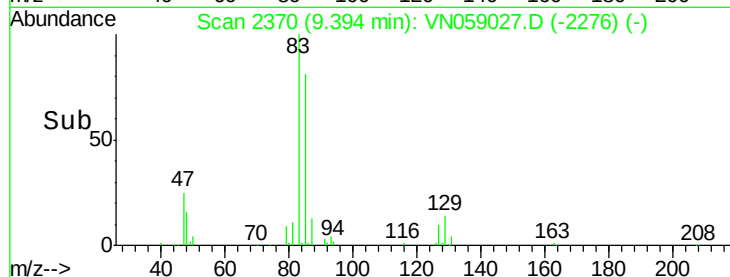
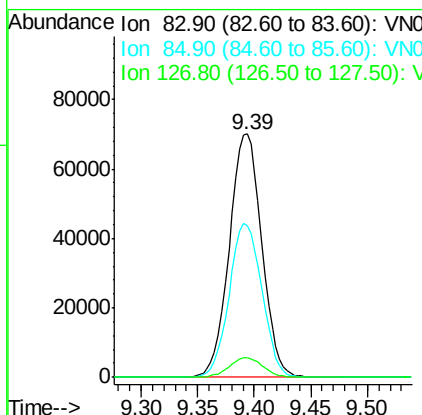
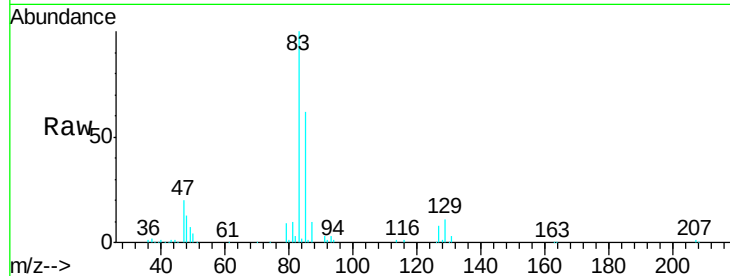
#47
Bromodichloromethane
Concen: 20.898 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.6	75.8
127	7.9	6.5	9.7

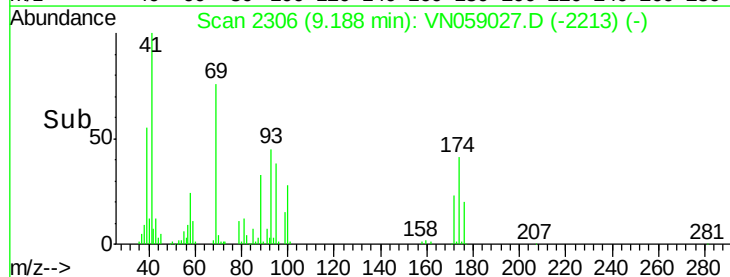
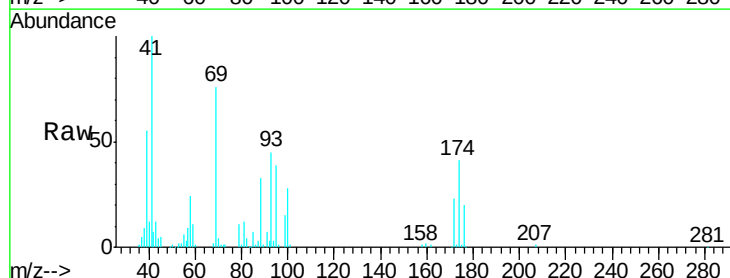
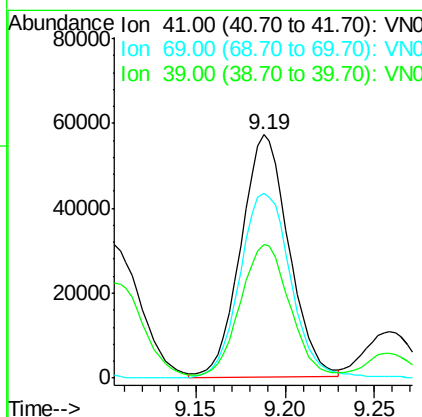
Manual Integrations
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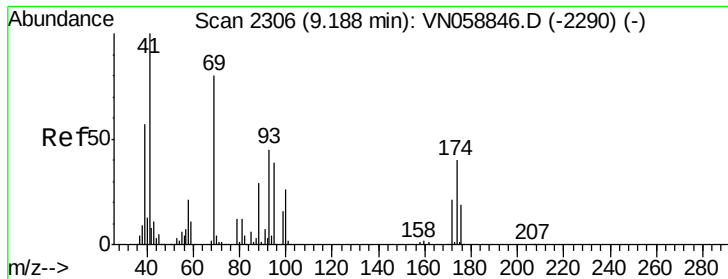
MMDadoda
11/4/2019 7:04:09 AM



#48
Methyl methacrylate
Concen: 21.139 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.5	63.8	95.6
39	56.6	47.8	71.8





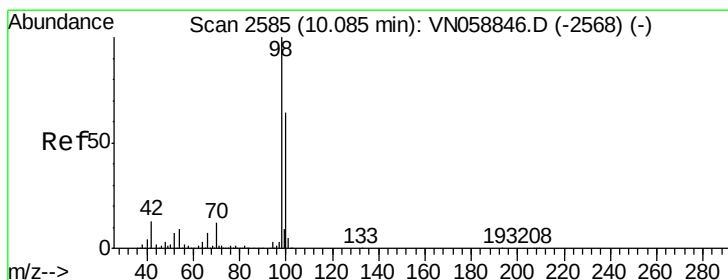
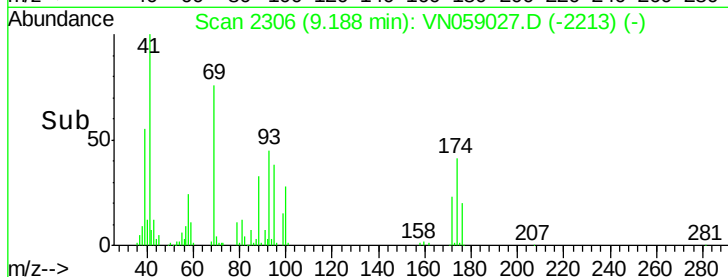
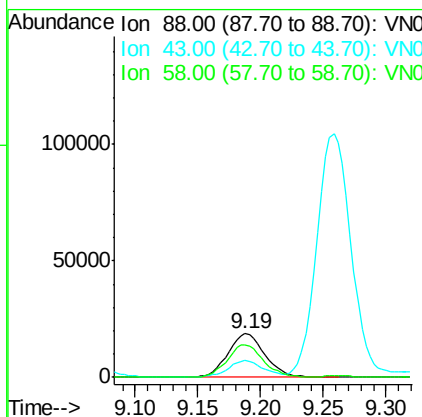
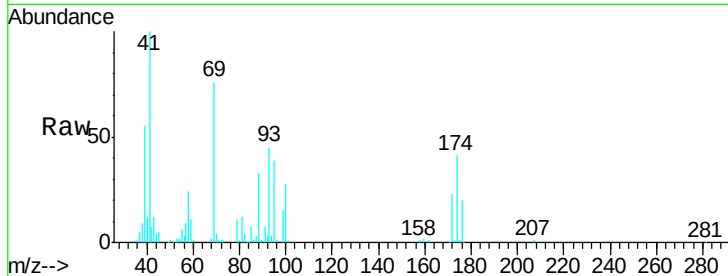
#49
1,4-Dioxane
Concen: 463.525 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	38614		
43	34.8	29.1	43.7	
58	73.0	59.4	89.0	

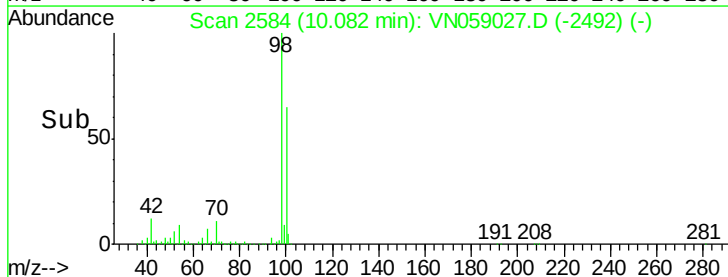
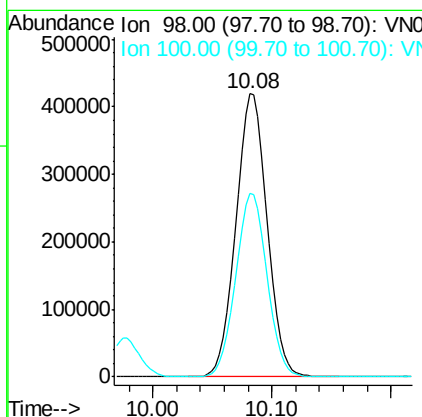
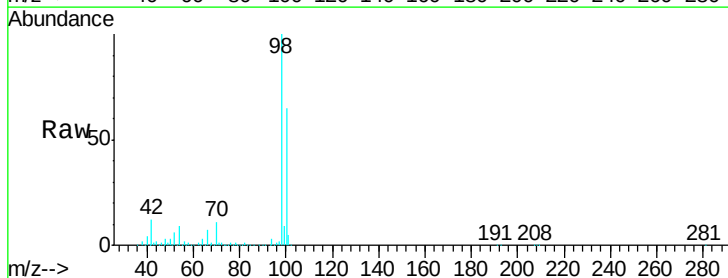
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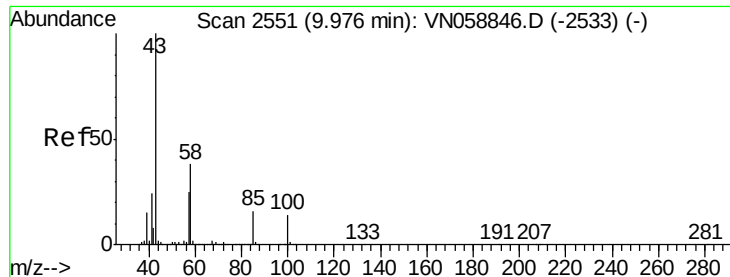
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#50
Toluene-d8
Concen: 47.720 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	761426		
100	65.1	51.4	77.2	





#51

4-Methyl-2-Pentanone

Concen: 117.627 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 43 Resp: 768473

Ion Ratio Lower Upper

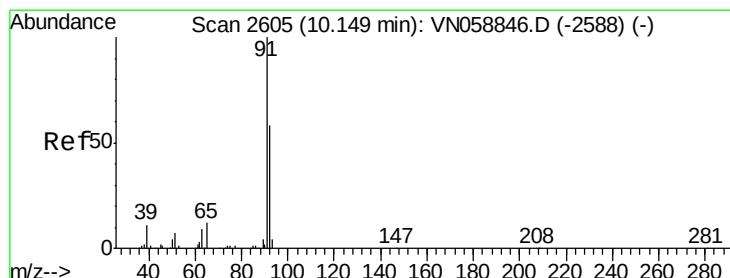
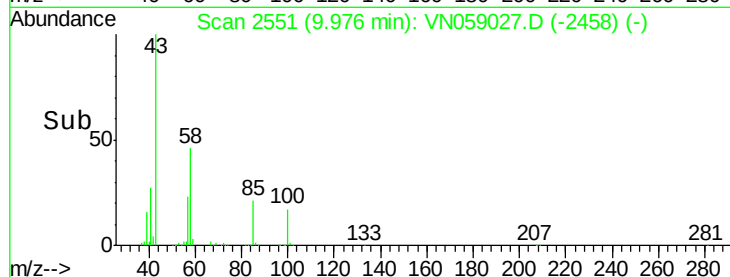
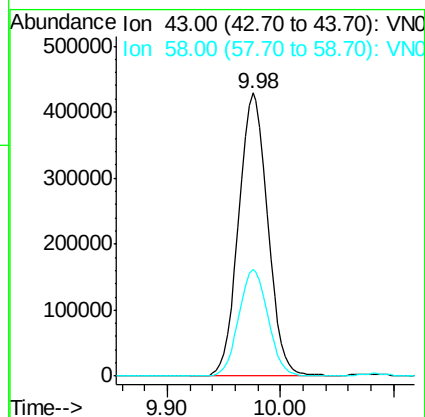
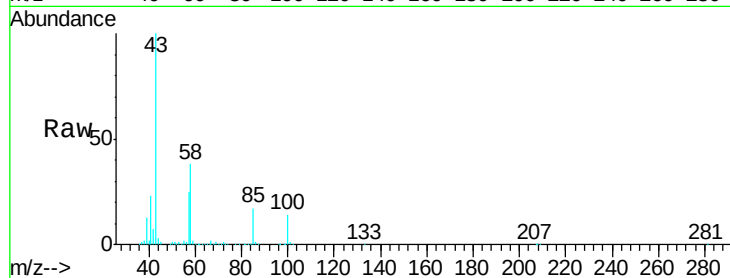
43 100

58 37.9 29.9 44.9

Manual Integrations
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#52

Toluene

Concen: 21.187 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059027.D

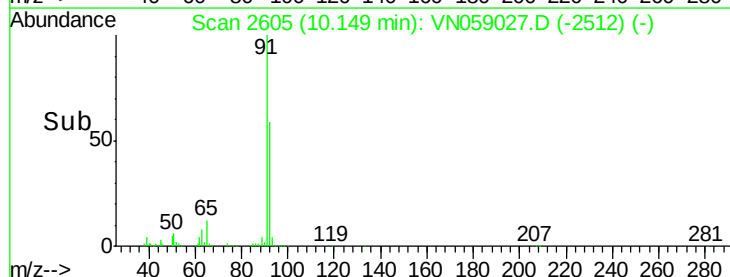
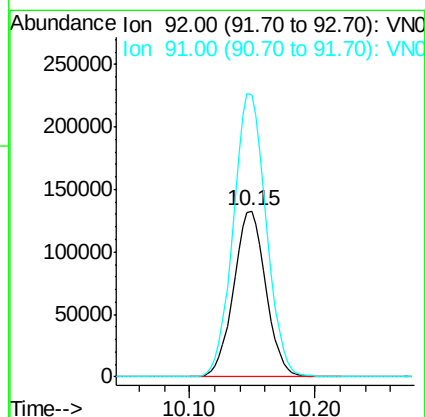
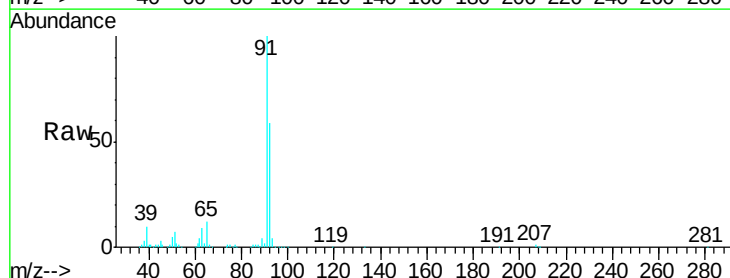
Acq: 31 Oct 2019 10:11

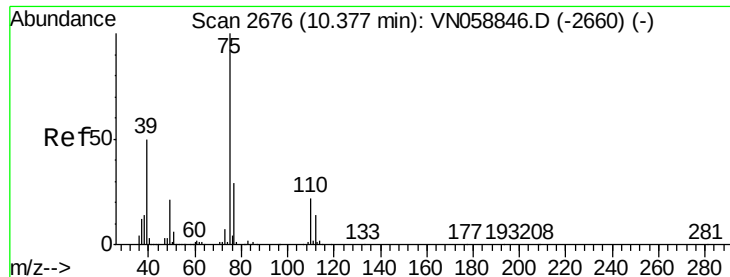
Tgt Ion: 92 Resp: 236153

Ion Ratio Lower Upper

92 100

91 175.0 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 20.778 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

VN1031WBS01

Tgt Ion: 75 Resp: 154463

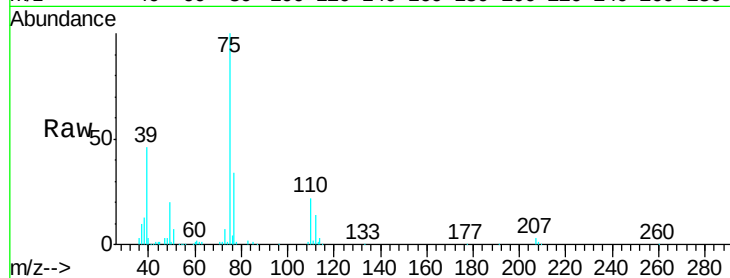
Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5

Manual Integrations
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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

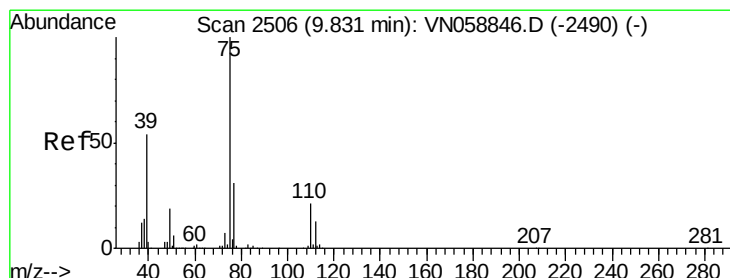
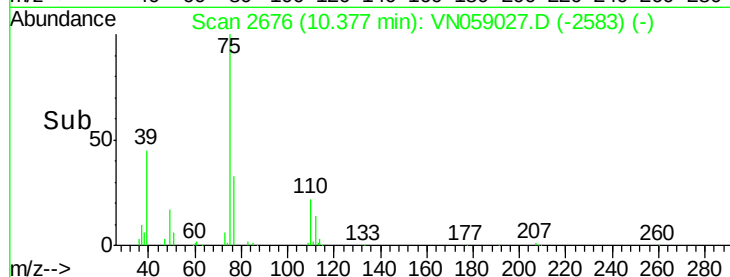
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.816 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

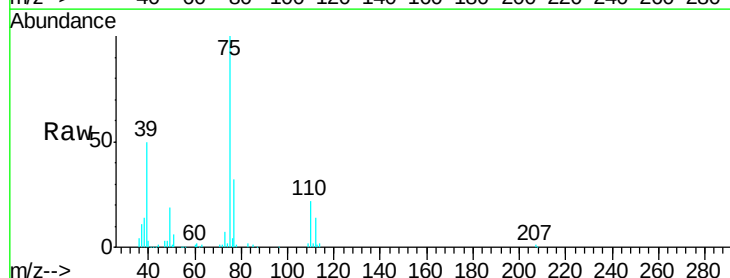
Tgt Ion: 75 Resp: 165327

Ion Ratio Lower Upper

75 100

77 31.8 24.7 37.1

39 49.7 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

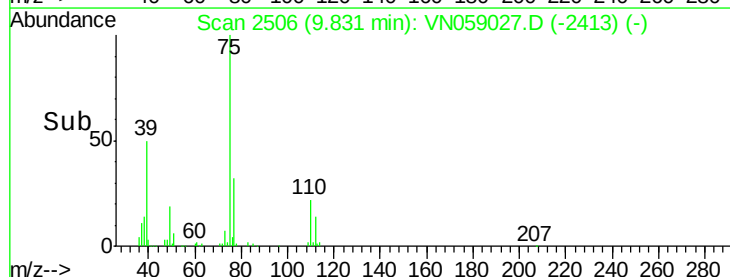
60000

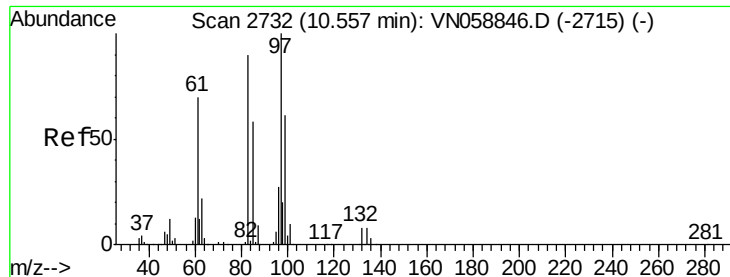
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.113 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

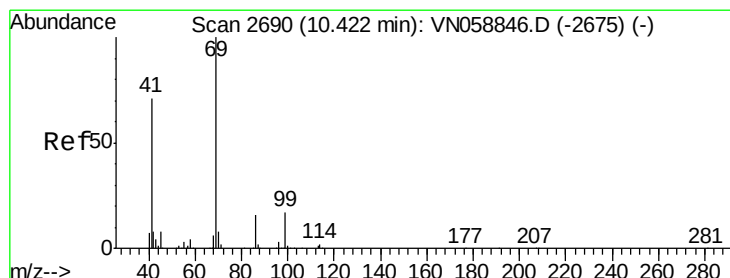
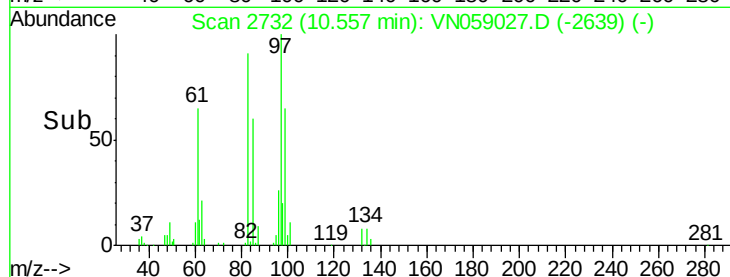
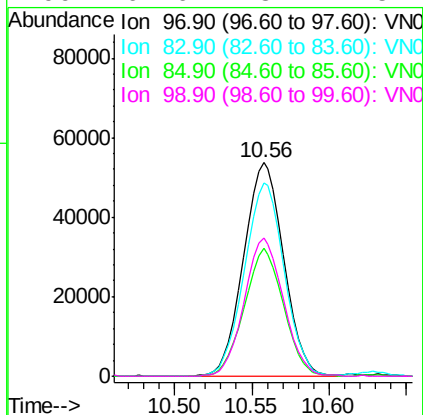
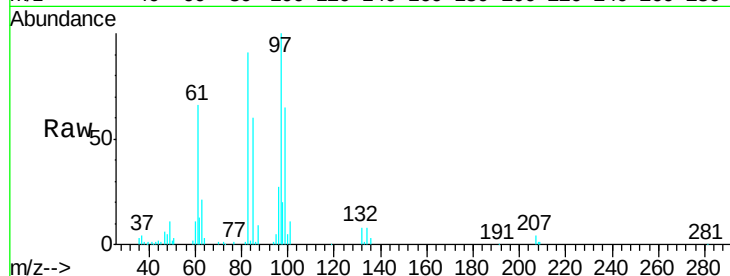
ClientSampleId :

VN1031WBS01

Tgt Ion:	97	Resp:	96941
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.2	108.4
85	59.7	46.2	69.2
99	64.6	48.7	73.1

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#56

Ethyl methacrylate

Concen: 20.289 ug/l

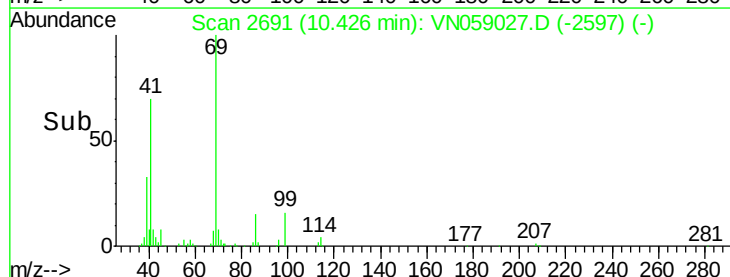
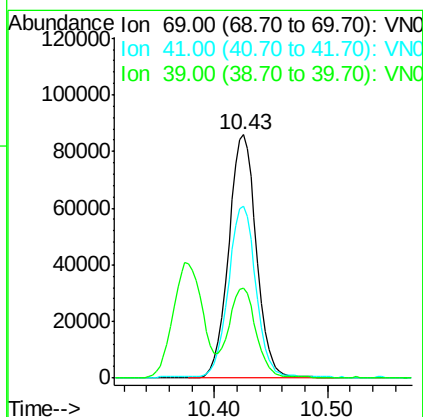
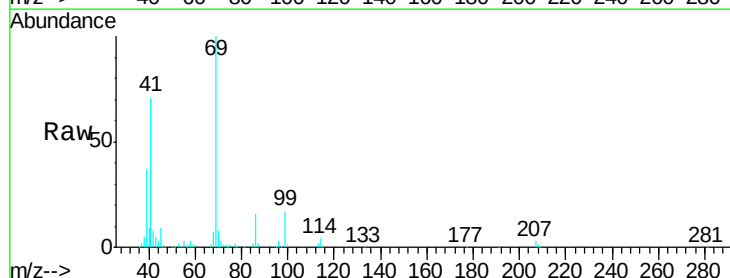
RT: 10.43 min Scan# 2691

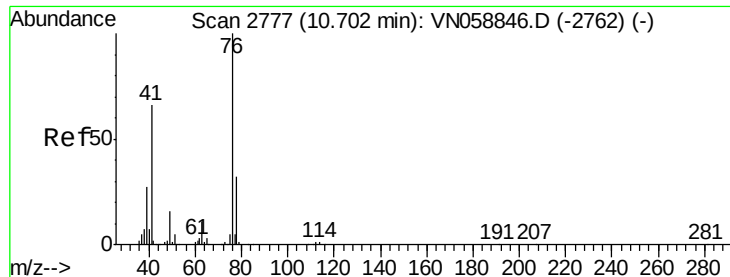
Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion:	69	Resp:	146450
Ion	Ratio	Lower	Upper
69	100		
41	69.3	57.2	85.8
39	35.8	31.0	46.4





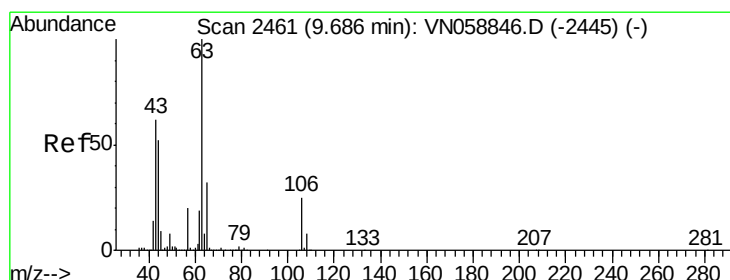
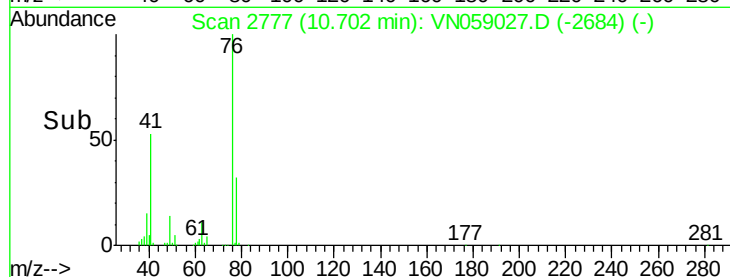
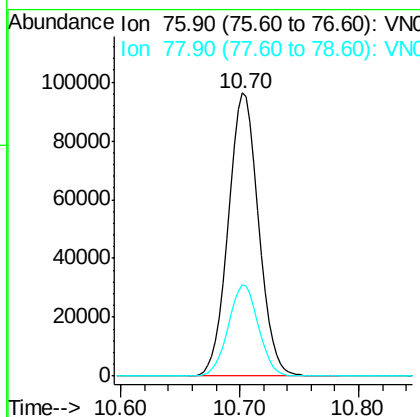
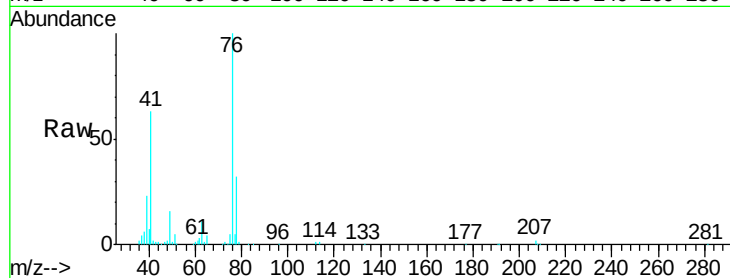
#57
 1,3-Dichloropropane
 Concen: 21.076 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.0

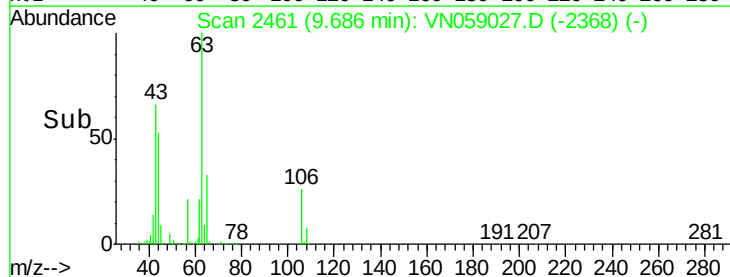
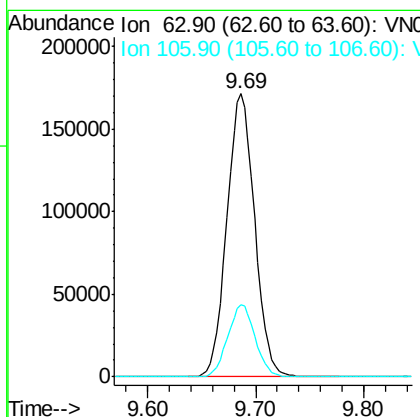
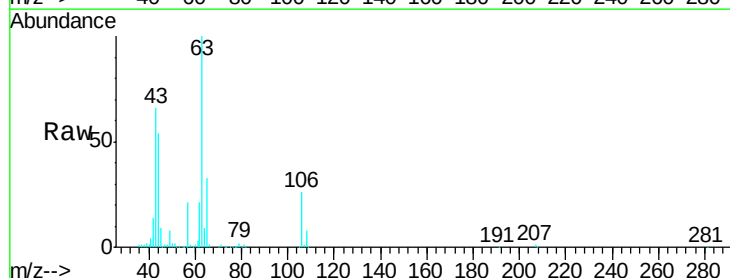
Manual Integrations
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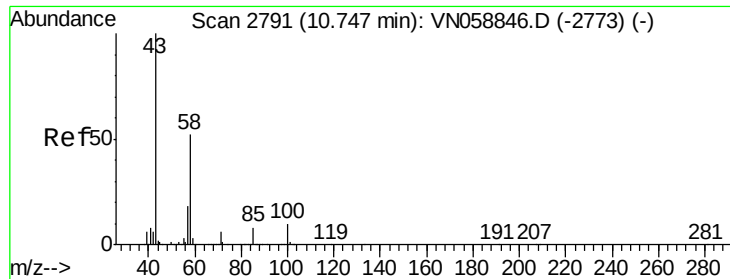
MMDadoda
 11/4/2019 7:04:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.874 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	19.8	29.8





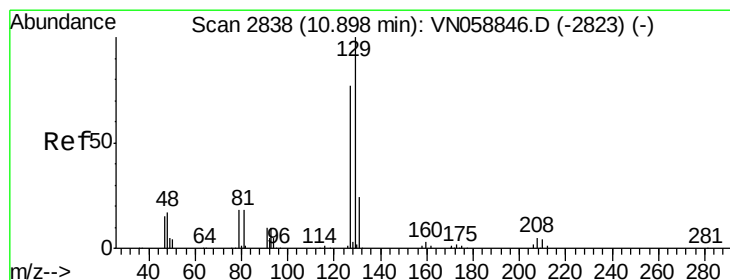
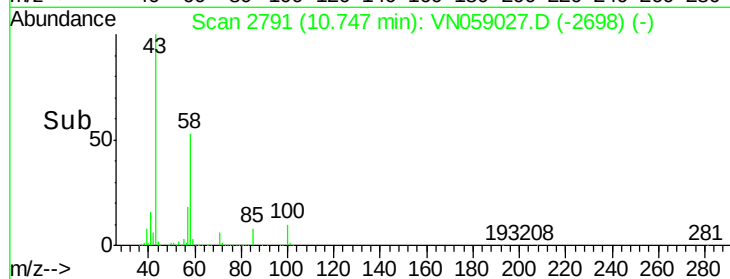
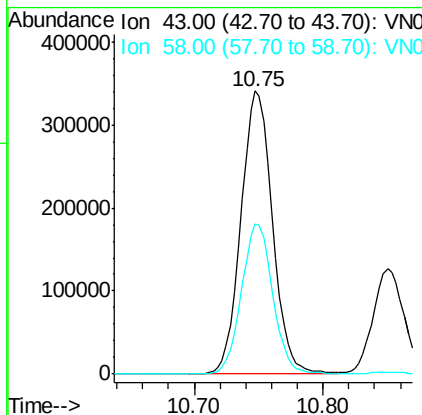
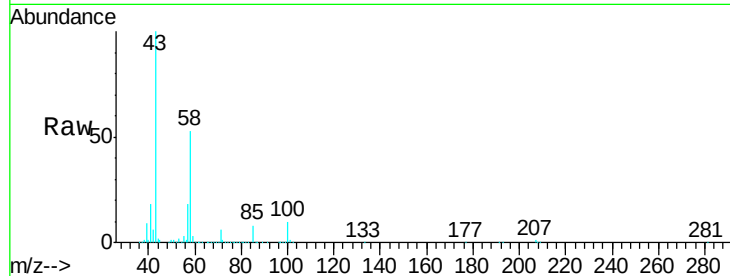
#59
2-Hexanone
Concen: 114.329 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 43 Resp: 577176
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.7

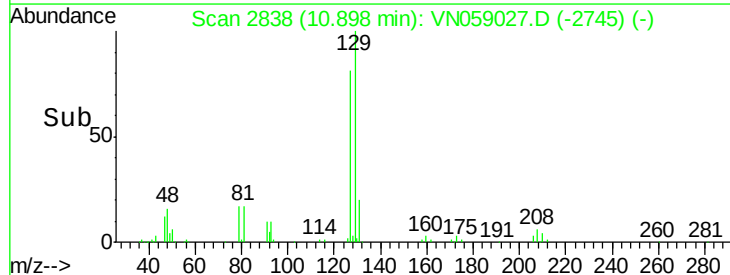
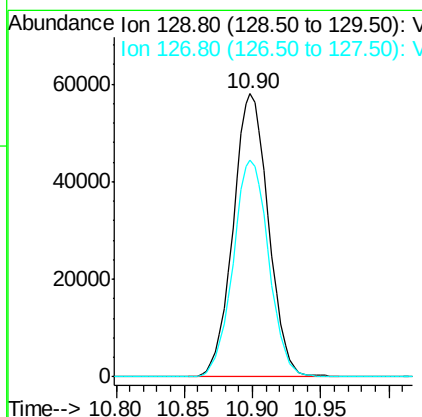
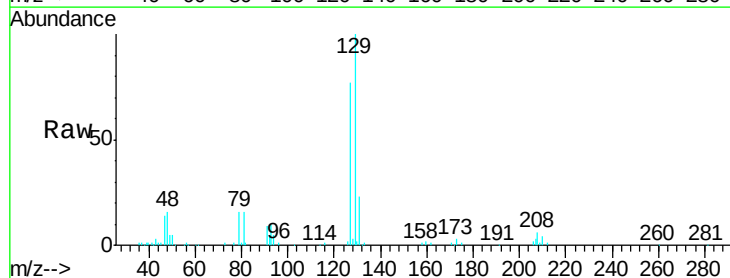
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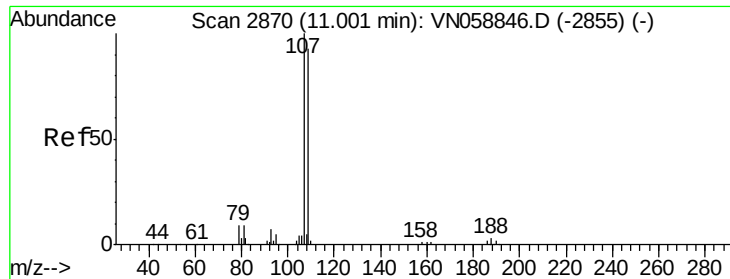
MMDadoda
11/4/2019 7:04:09 AM



#60
Dibromochloromethane
Concen: 21.046 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 129 Resp: 104013
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3





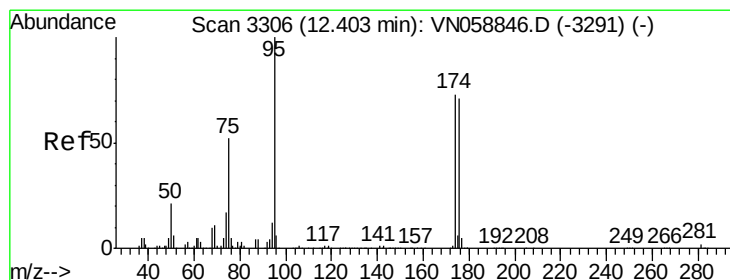
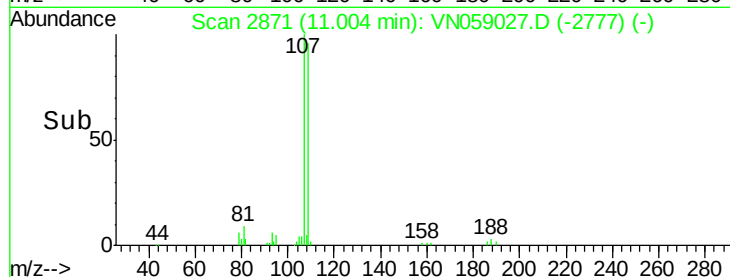
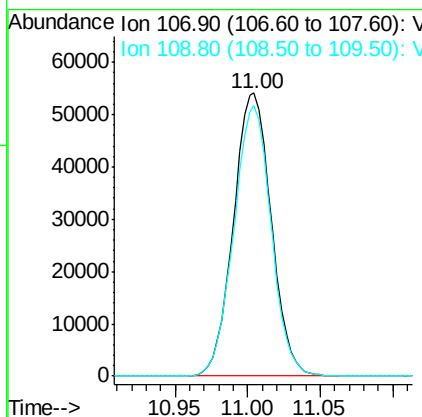
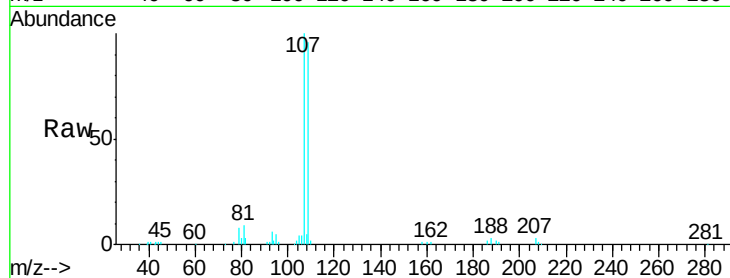
#61
 1,2-Dibromoethane
 Concen: 20.894 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion: 107 Resp: 98181
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8

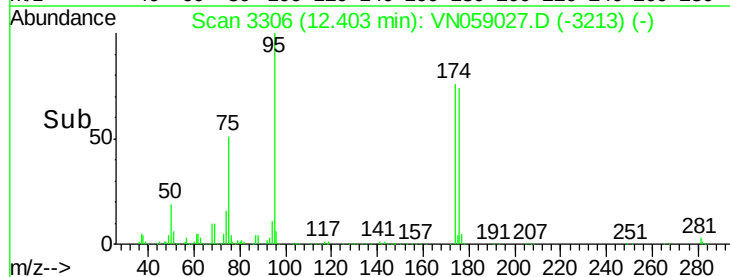
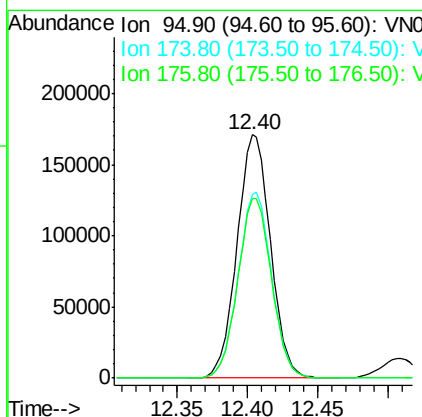
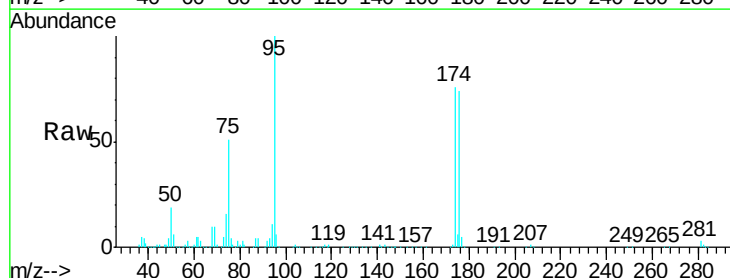
Manual Integrations
 APPROVED

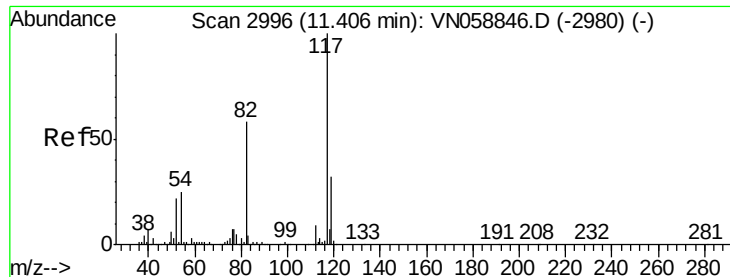
MMDadoda
 11/4/2019 7:04:09 AM



#62
 4-Bromofluorobenzene
 Concen: 48.472 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion: 95 Resp: 284020
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 147.6
 176 74.6 0.0 143.2





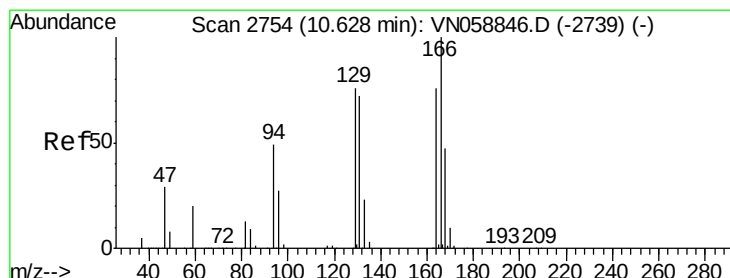
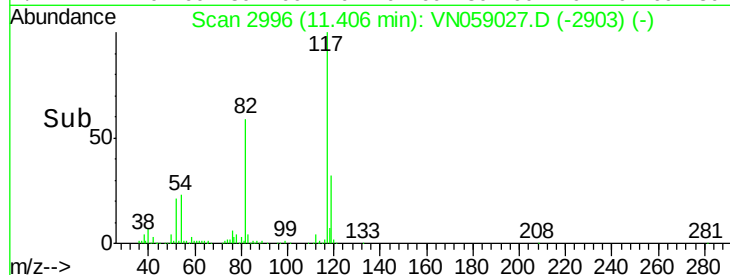
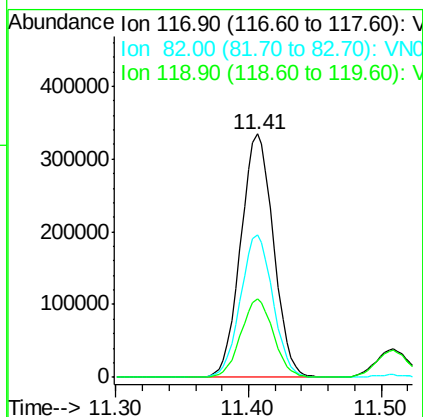
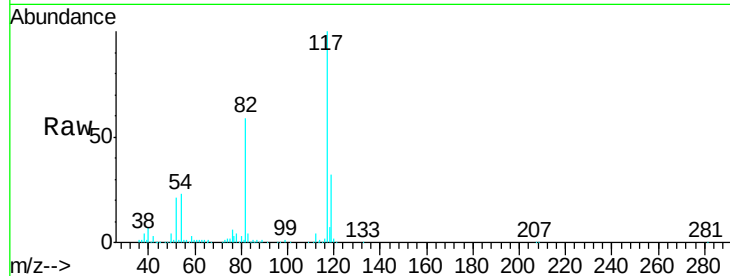
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	572680		
82	58.5	46.6	69.8	
119	32.0	25.6	38.4	

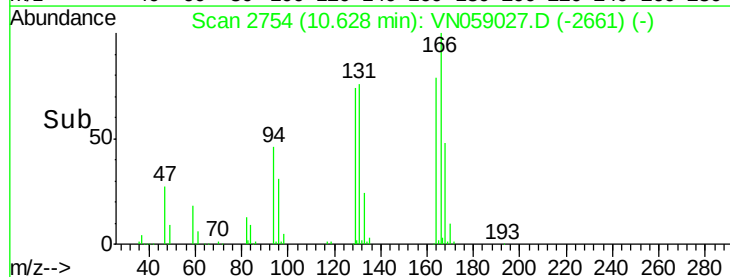
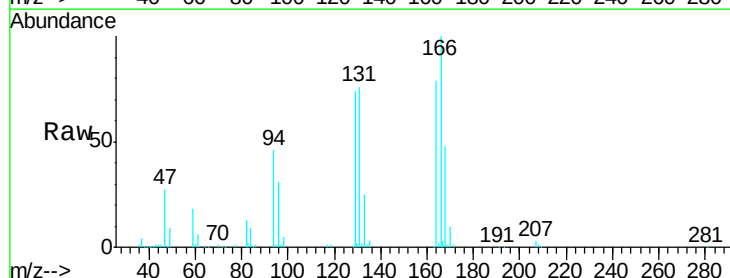
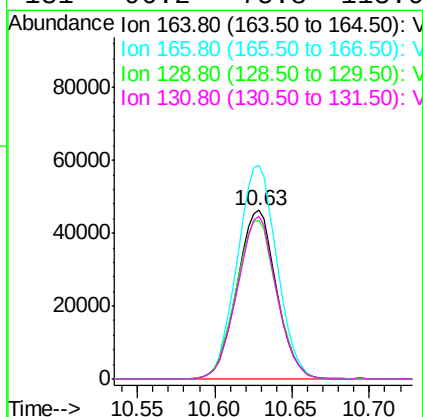
Manual Integrations
APPROVED

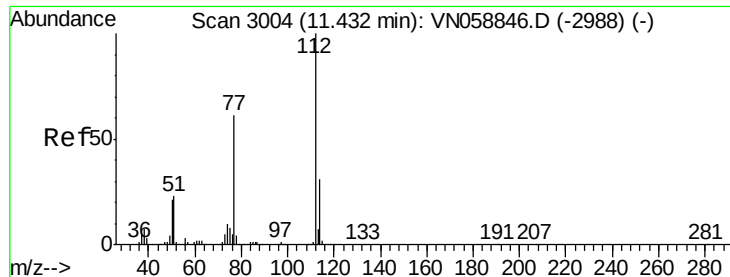
MMDadoda
11/4/2019 7:04:09 AM



#64
Tetrachloroethene
Concen: 20.392 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81784		
166	126.7	104.8	157.2	
129	94.2	79.3	118.9	
131	96.2	75.8	113.6	





#65

Chlorobenzene

Concen: 21.236 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion:112 Resp: 247590

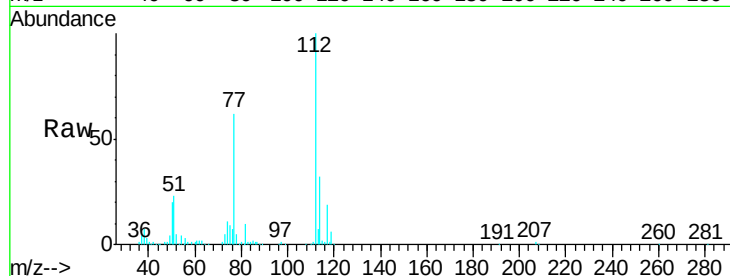
Ion Ratio Lower Upper

112 100

114 31.9 25.1 37.7

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

Ion 113.90 (113.60 to 114.60): V

11.43

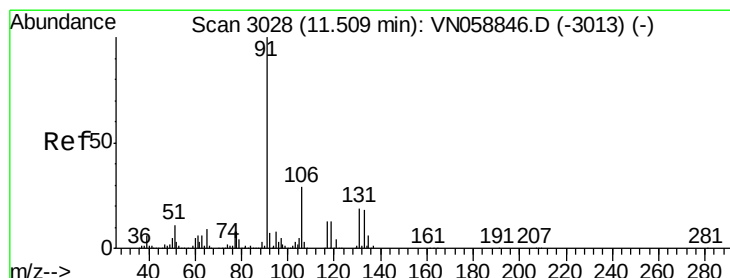
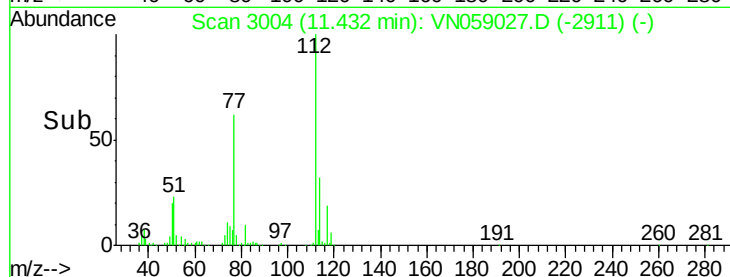
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.721 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

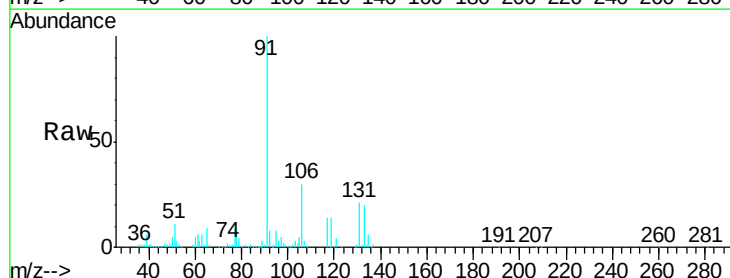
Tgt Ion:131 Resp: 95562

Ion Ratio Lower Upper

131 100

133 97.0 48.4 145.2

119 67.0 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

120000

100000

80000

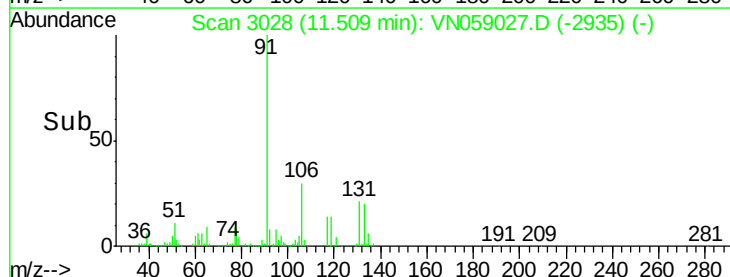
60000

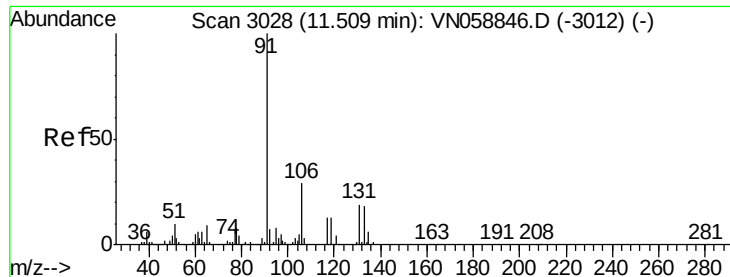
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 21.940 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 91 Resp: 448736

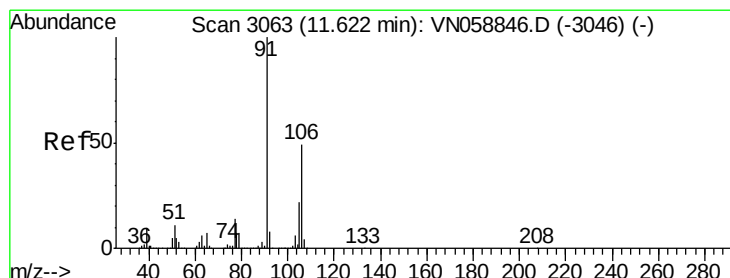
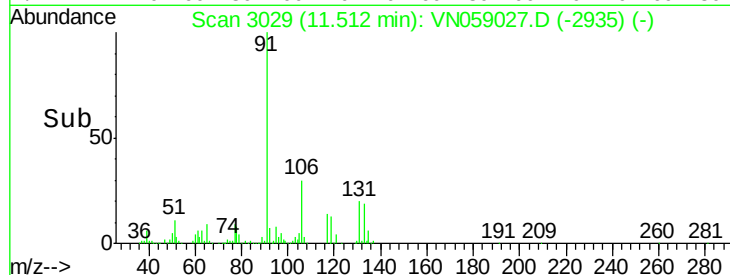
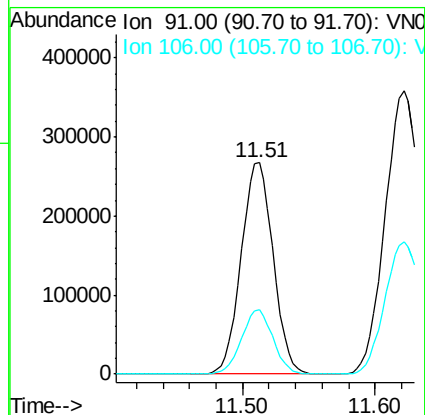
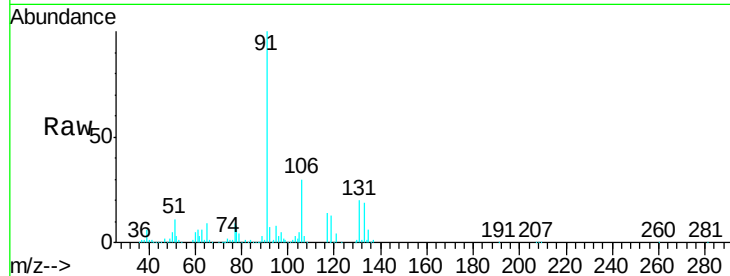
Ion Ratio Lower Upper

91 100

106 30.3 23.4 35.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 42.769 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN059027.D

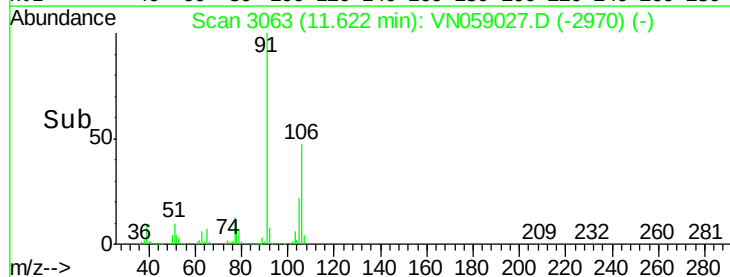
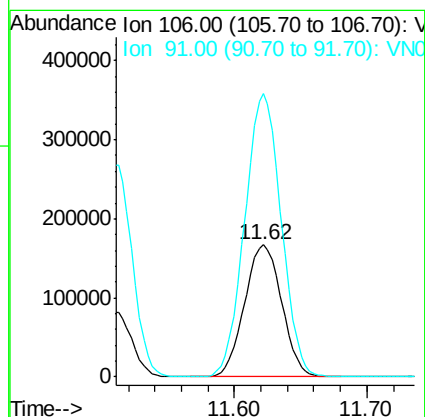
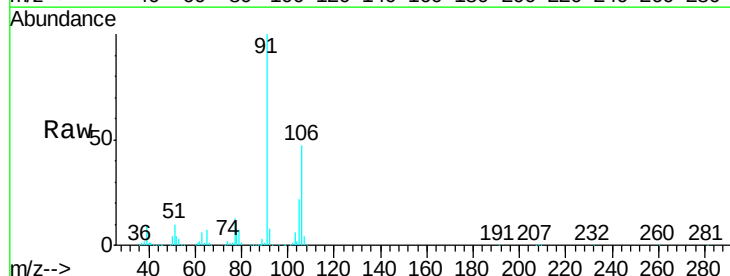
Acq: 31 Oct 2019 10:11

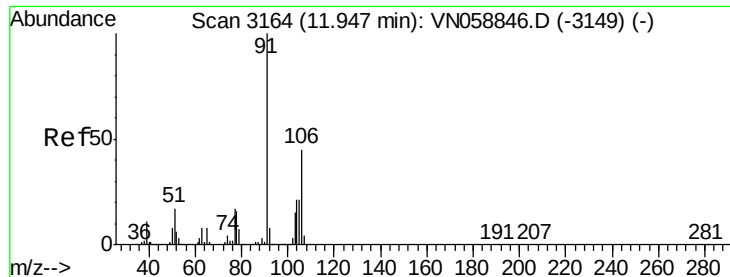
Tgt Ion: 106 Resp: 324396

Ion Ratio Lower Upper

106 100

91 210.9 166.6 249.8





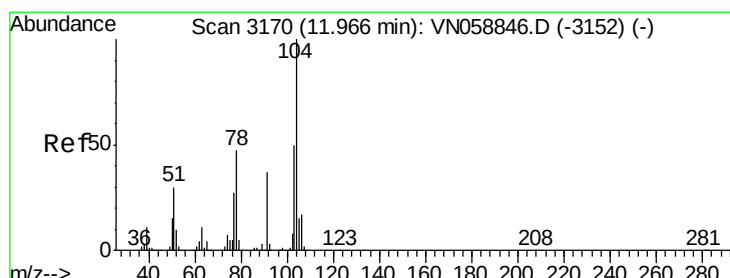
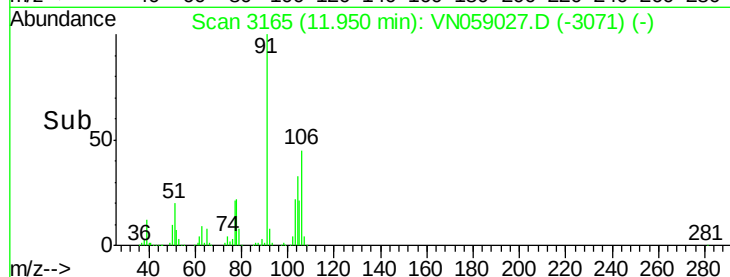
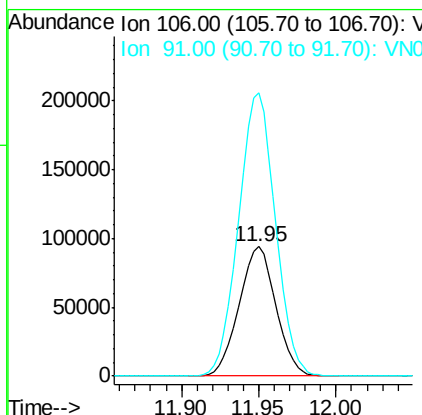
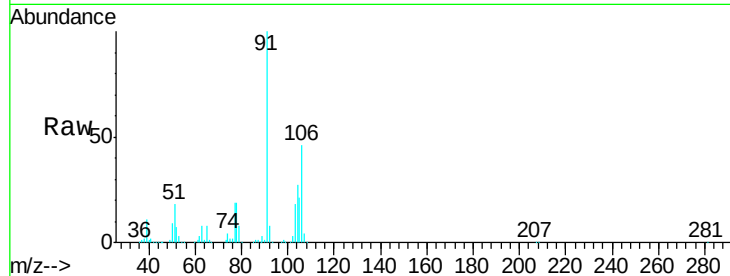
#69
o-Xylene
Concen: 21.533 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampled :
VN1031WBS01

Tgt Ion:106 Resp: 155769
Ion Ratio Lower Upper
106 100
91 219.4 111.5 334.4

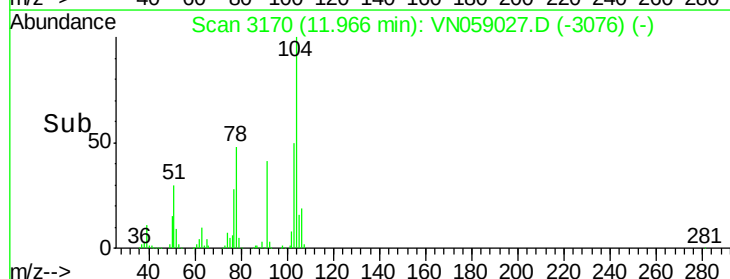
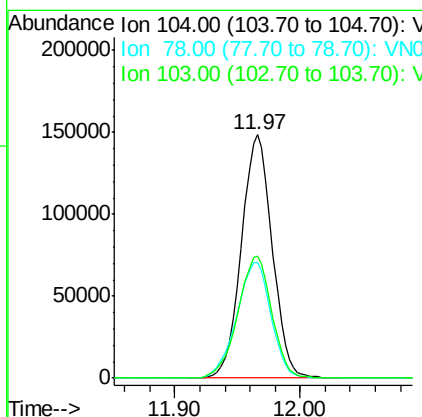
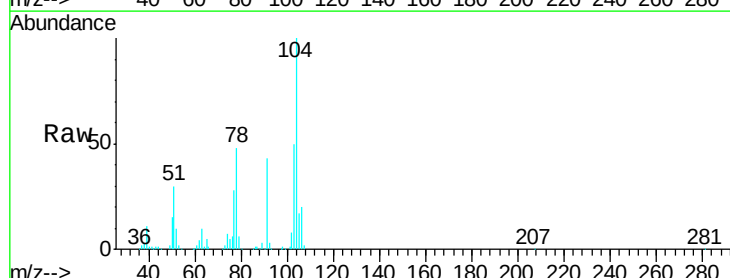
Manual Integrations
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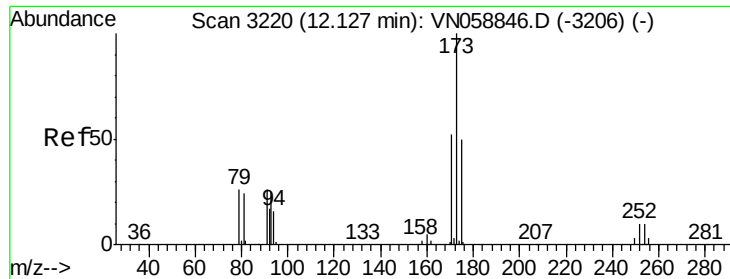
MMDadoda
11/4/2019 7:04:09 AM



#70
Styrene
Concen: 20.087 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion:104 Resp: 254033
Ion Ratio Lower Upper
104 100
78 53.1 42.8 64.2
103 55.0 44.3 66.5





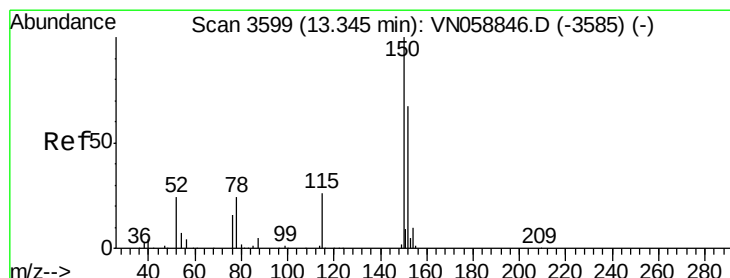
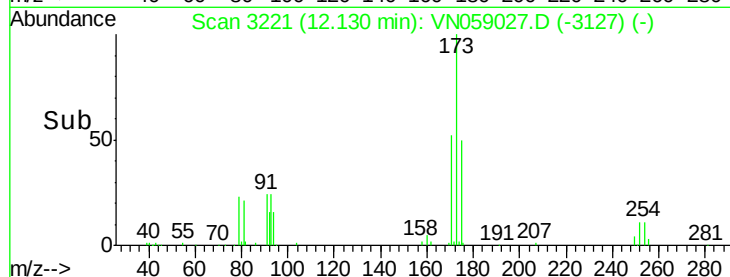
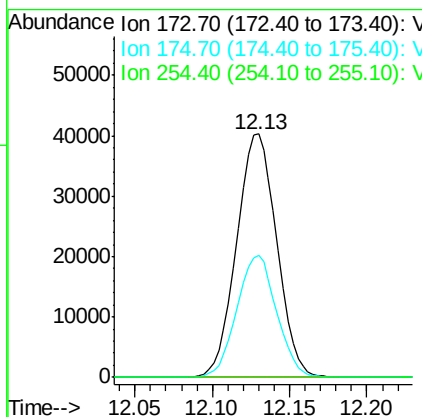
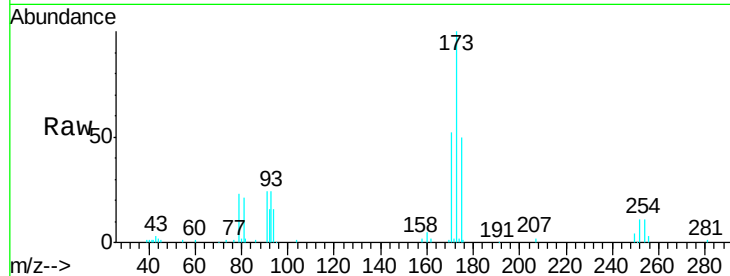
#71
Bromoform
Concen: 21.262 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.7	74.1
254	0.0	0.0	0.0

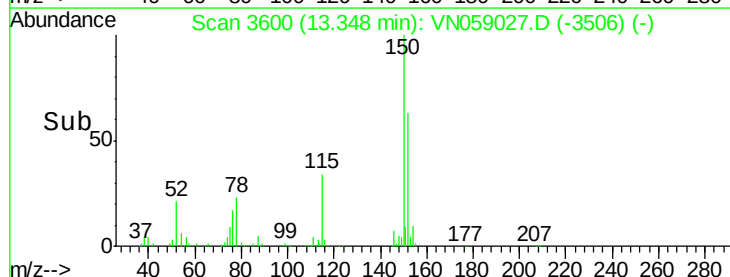
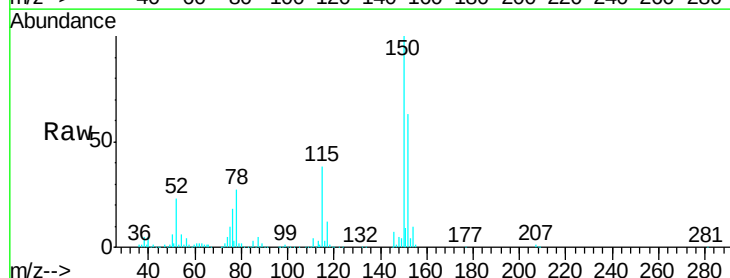
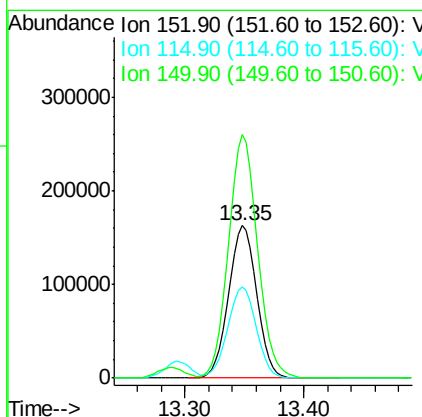
Manual Integrations
APPROVED

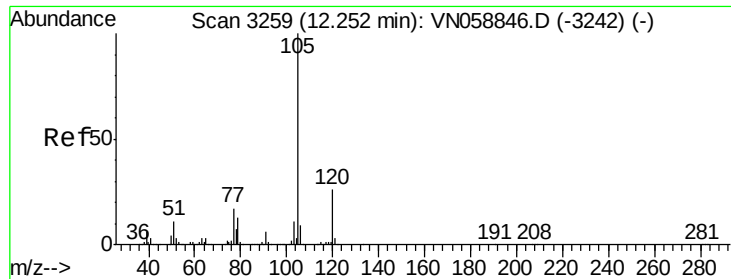
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.5	91.5
150	164.1	0.0	344.4





#73

Isopropylbenzene

Concen: 21.881 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 105 Resp: 427101

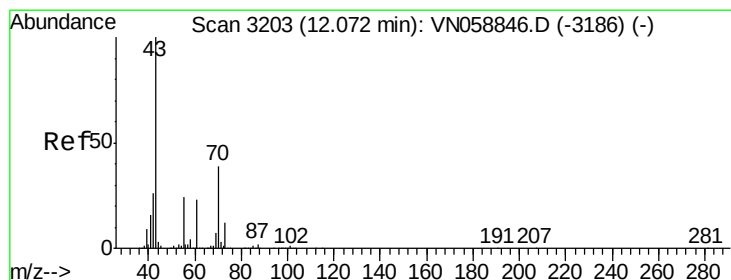
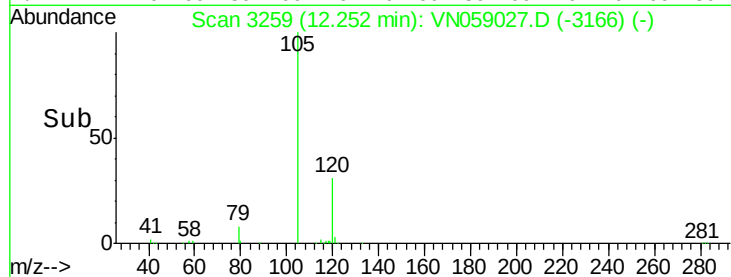
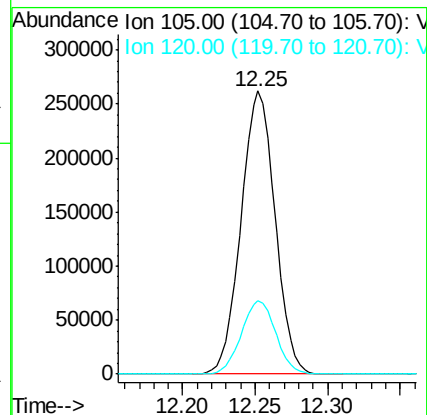
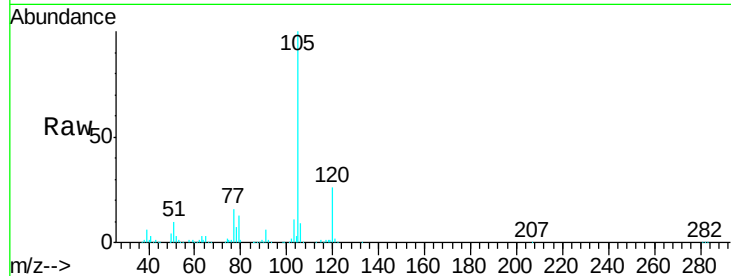
Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.808 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion: 43 Resp: 192983

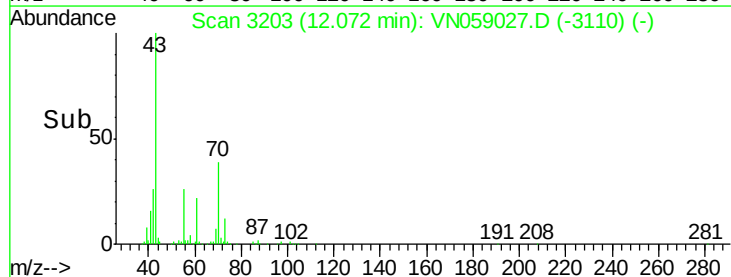
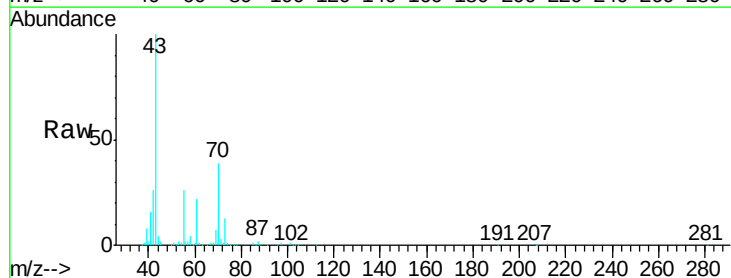
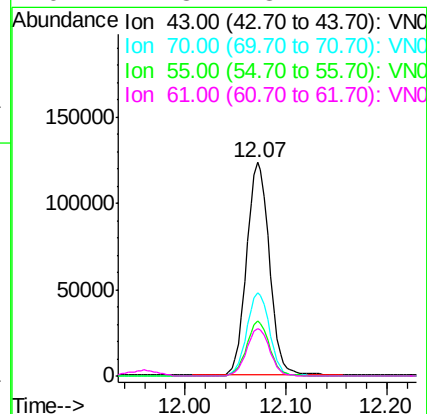
Ion Ratio Lower Upper

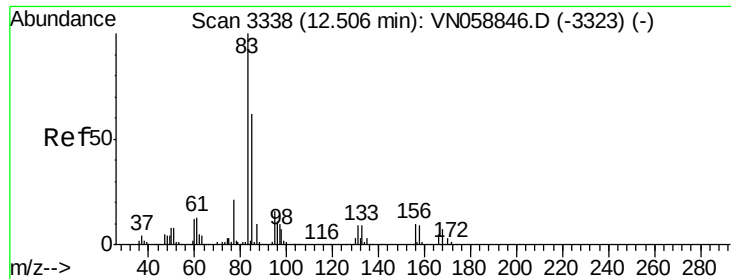
43 100

70 39.1 30.9 46.3

55 25.9 19.7 29.5

61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.192 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

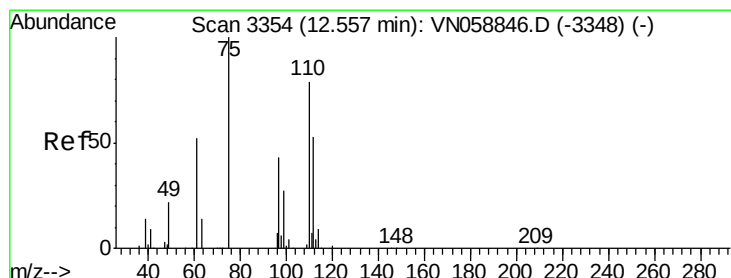
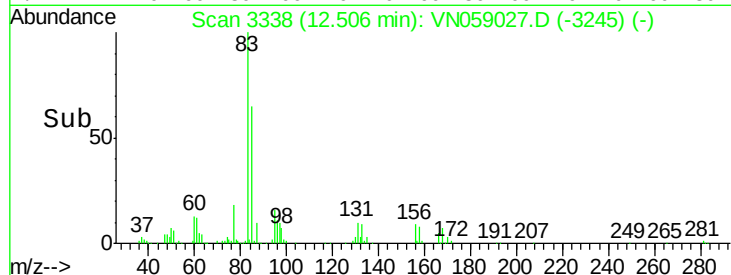
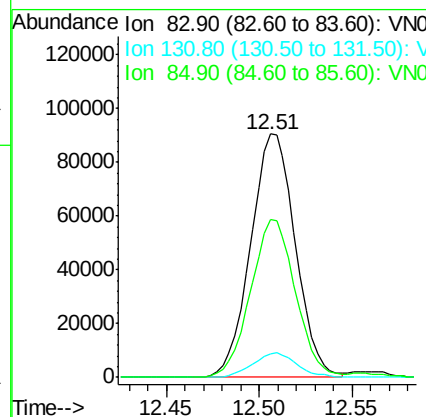
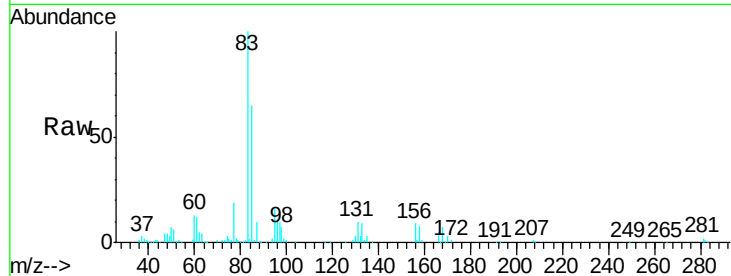
ClientSampleId :

VN1031WBS01

Tgt Ion:	83	Resp:	152314
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.7	14.1
85	64.9	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.701 ug/l m

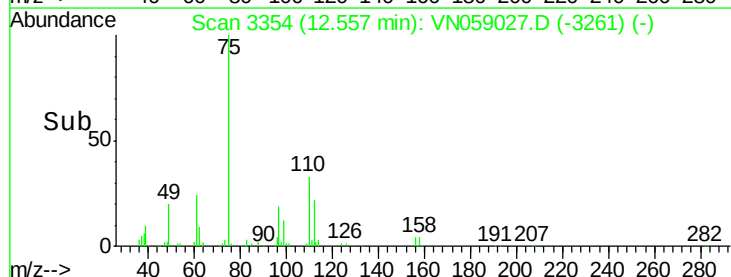
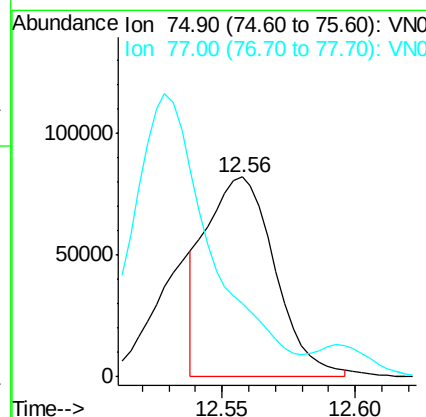
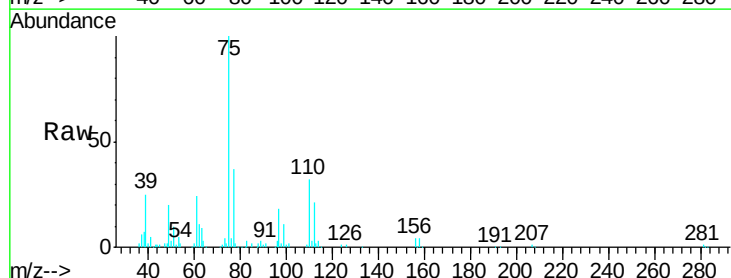
RT: 12.56 min Scan# 3354

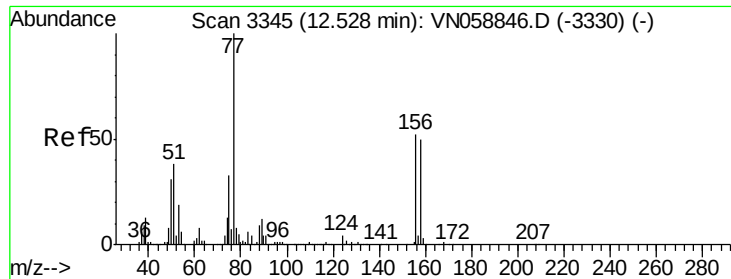
Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion:	75	Resp:	146713
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.685 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

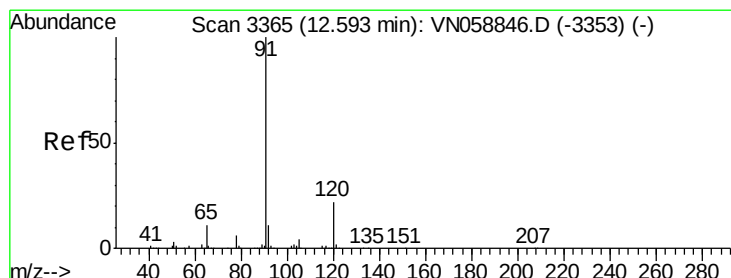
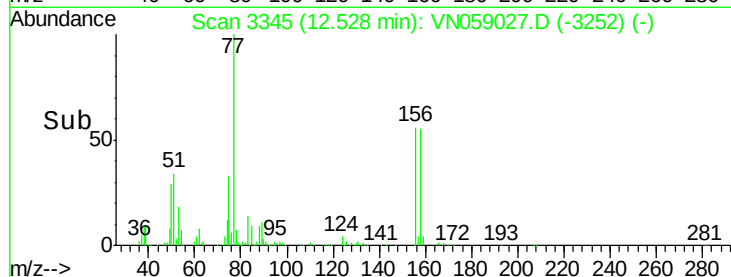
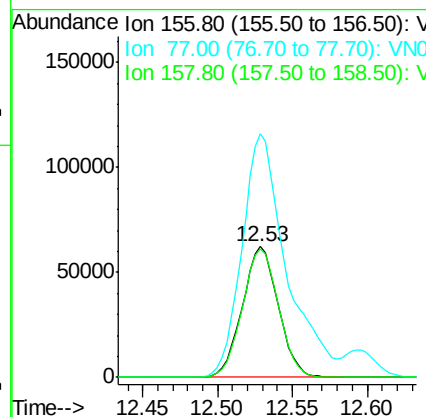
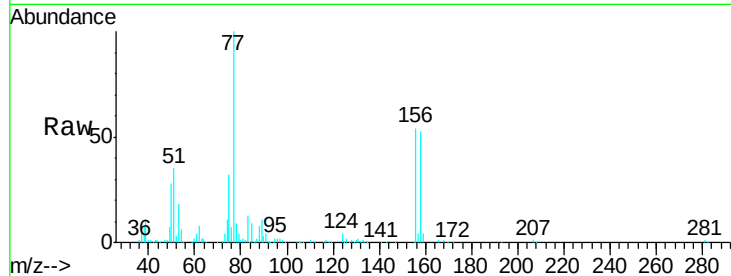
ClientSampled :

VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	229.6	118.0	354.0
158	99.0	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.627 ug/l

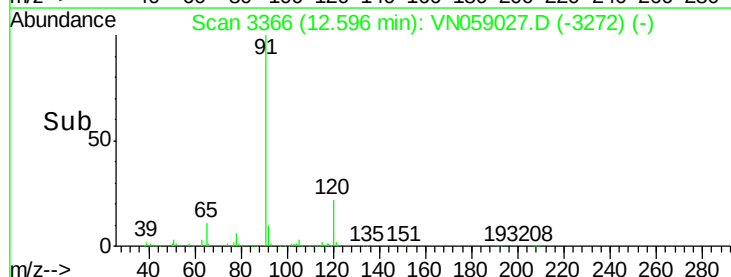
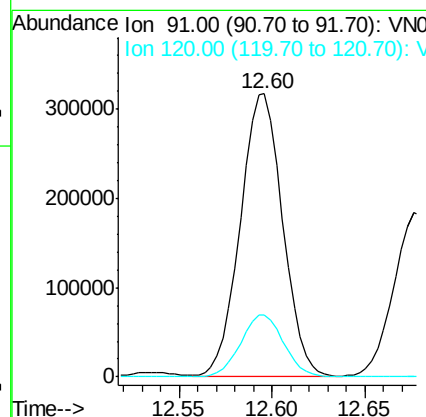
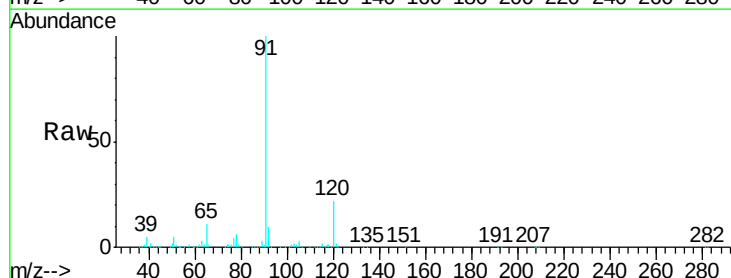
RT: 12.60 min Scan# 3366

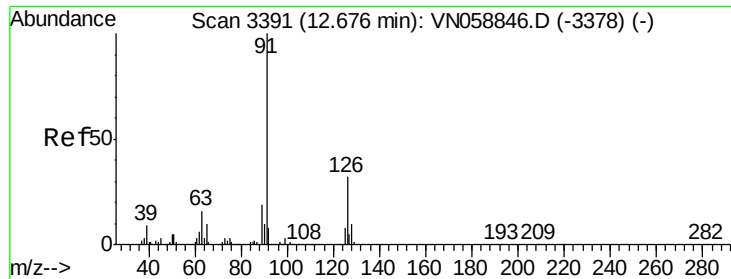
Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.1





#79

2-Chlorotoluene

Concen: 21.492 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

VN1031WBS01

Tgt Ion: 91 Resp: 303494

Ion Ratio Lower Upper

91 100

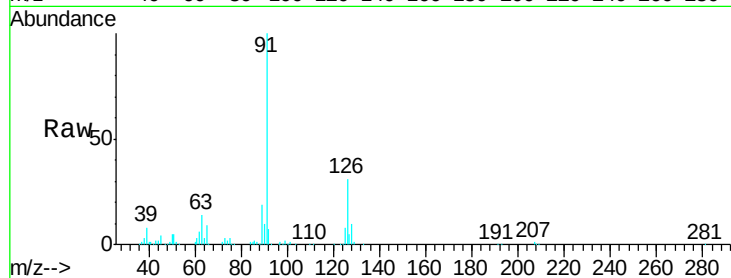
126 32.0 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

250000

200000

150000

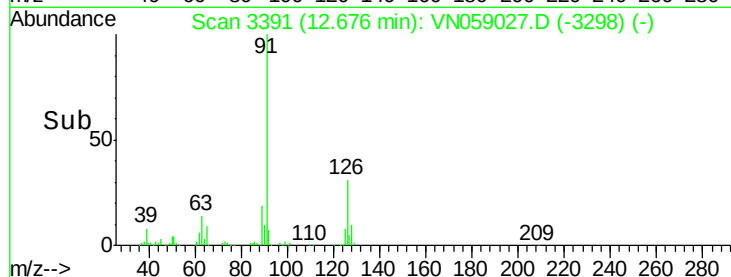
100000

50000

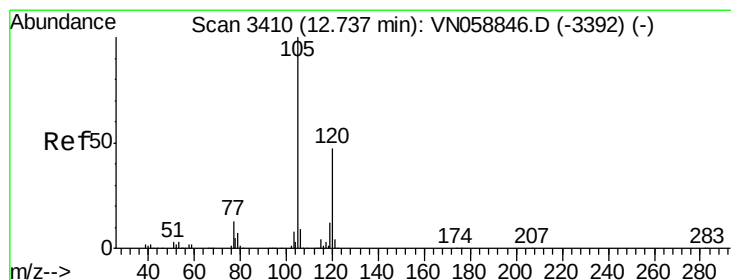
0

12.65

12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.103 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN059027.D

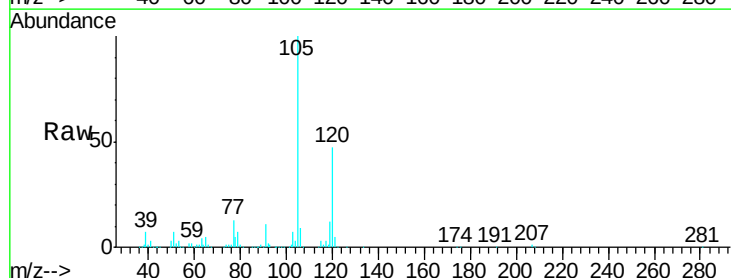
Acq: 31 Oct 2019 10:11

Tgt Ion: 105 Resp: 362484

Ion Ratio Lower Upper

105 100

120 47.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

250000

200000

150000

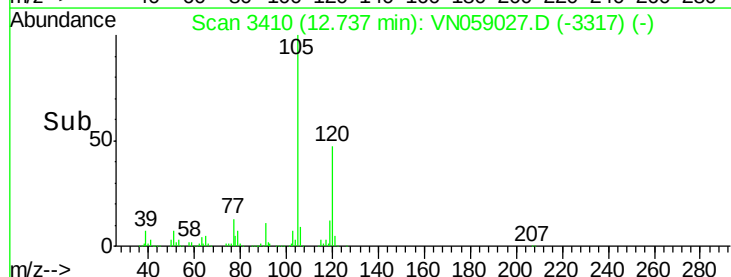
100000

50000

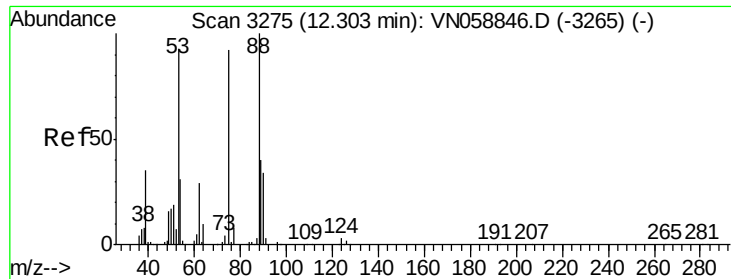
0

12.70

12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 21.331 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

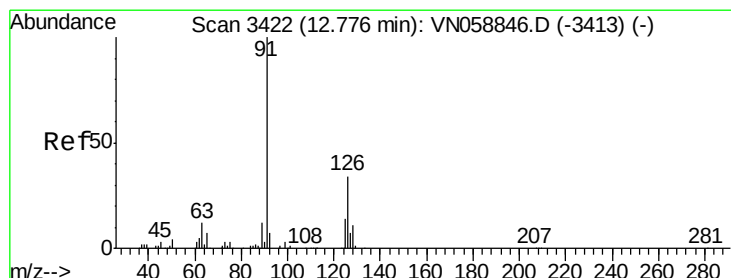
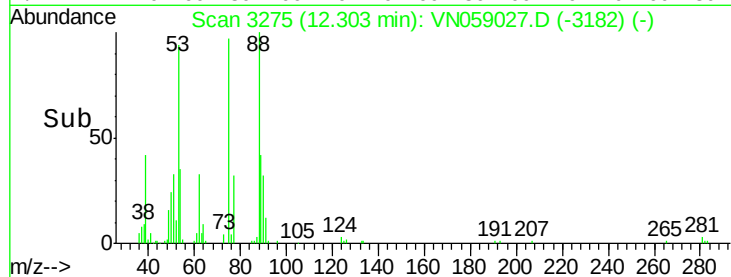
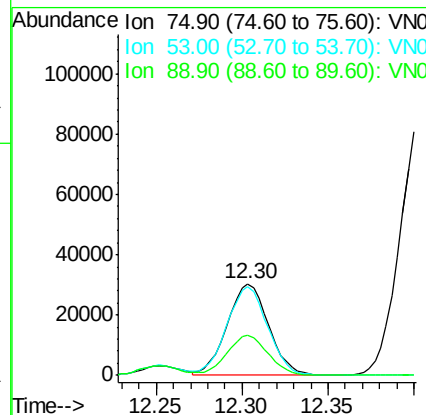
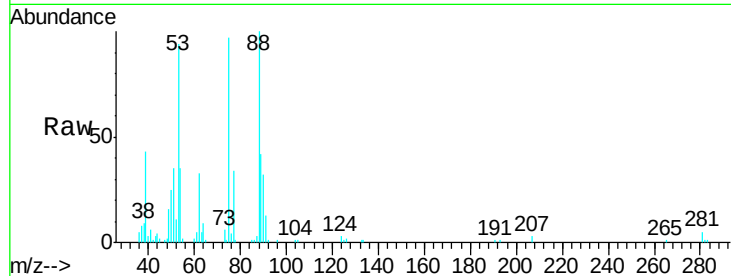
ClientSampleId :

VN1031WBS01

Tgt Ion:	75	Resp:	50687
Ion	Ratio	Lower	Upper
75	100		
53	95.6	78.6	118.0
89	42.9	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.230 ug/l

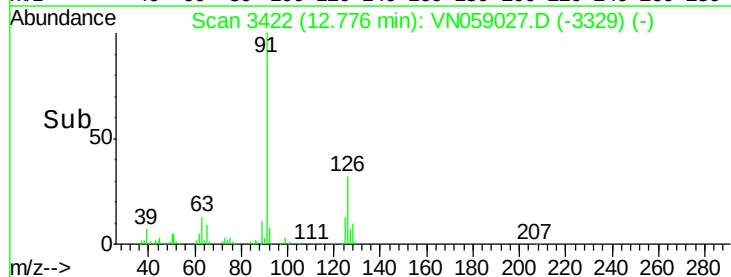
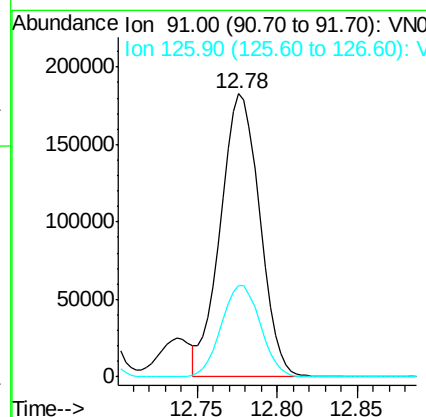
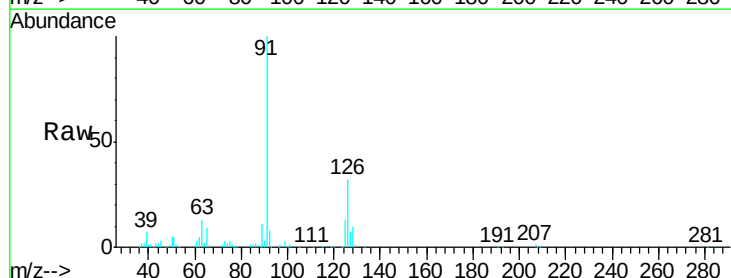
RT: 12.78 min Scan# 3422

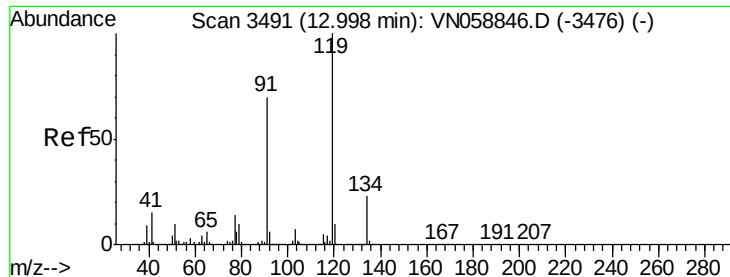
Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion:	91	Resp:	306367
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	47.9





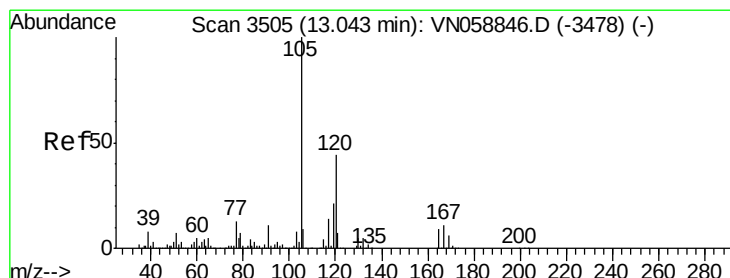
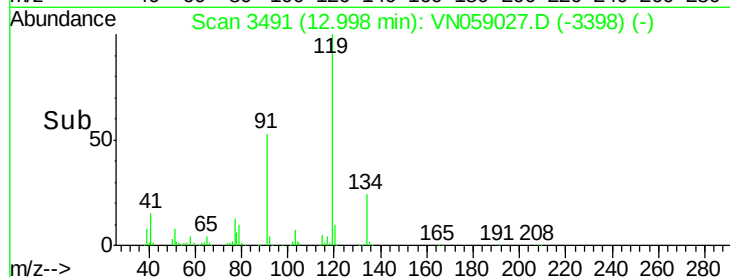
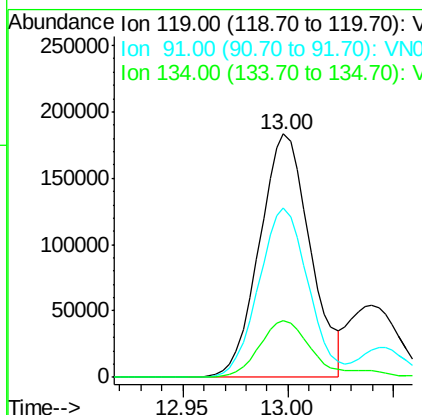
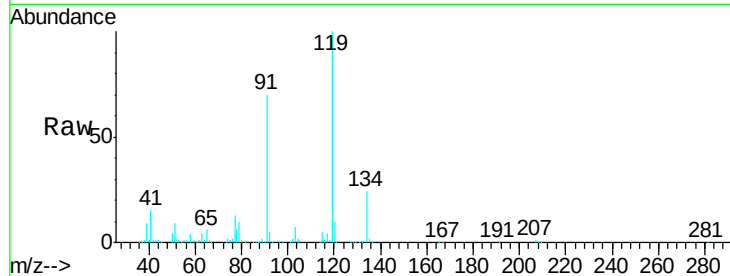
#83
 tert-Butylbenzene
 Concen: 21.887 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	23.5	11.6	34.8

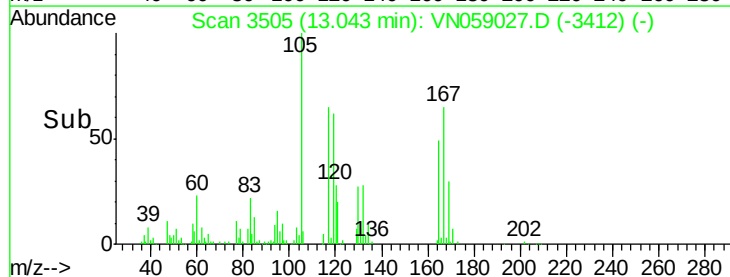
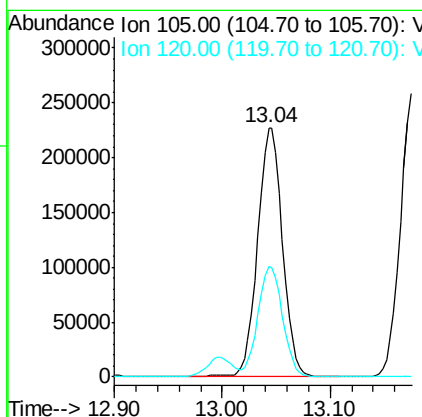
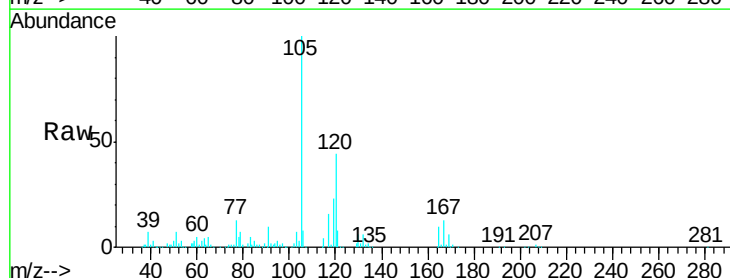
Manual Integrations
 APPROVED

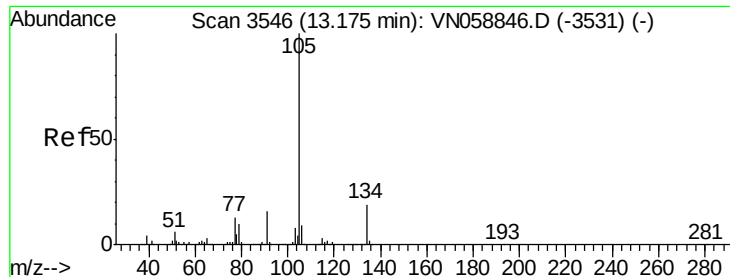
MMDadoda
 11/4/2019 7:04:09 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.458 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.8





#85

sec-Butylbenzene

Concen: 22.295 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion:105 Resp: 416865

Ion Ratio Lower Upper

105 100

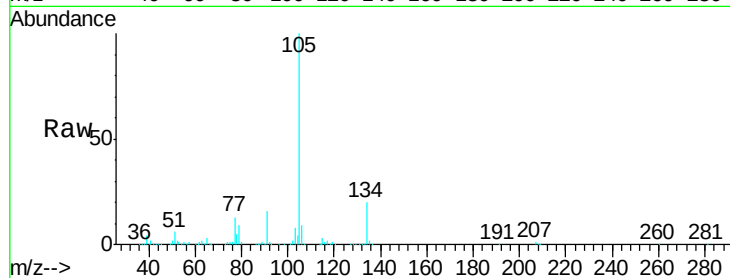
134 19.3 9.4 28.2

Manual Integrations

APPROVED

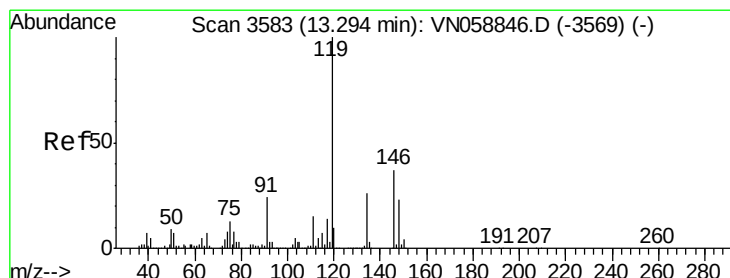
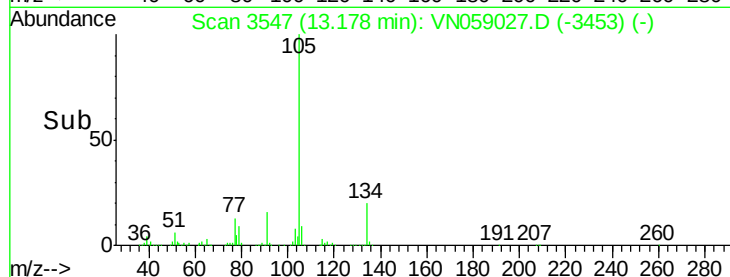
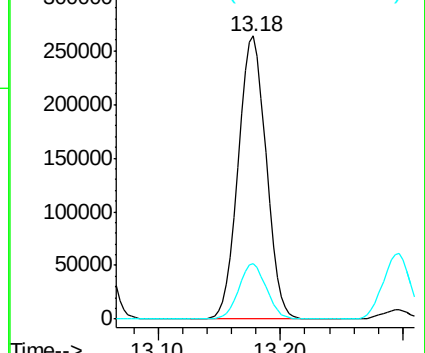
MMDadoda

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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: 22.334 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

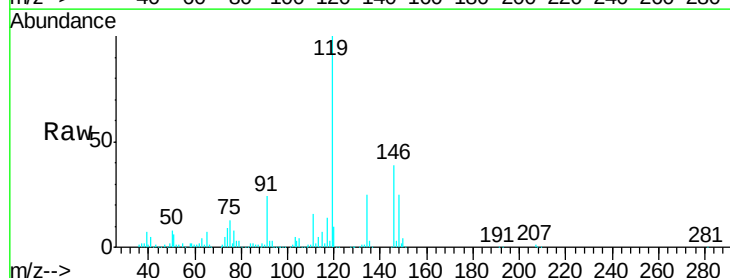
Tgt Ion:119 Resp: 368463

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

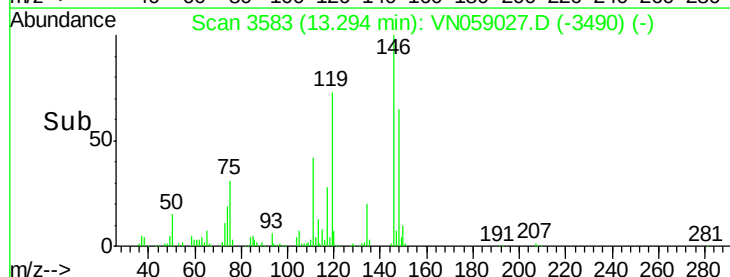
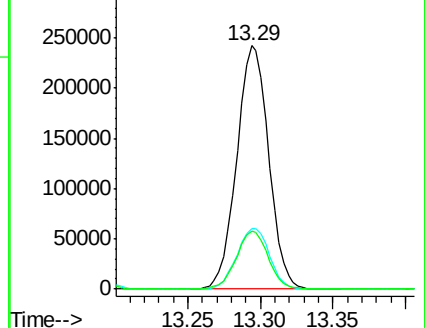
91 23.8 12.2 36.4

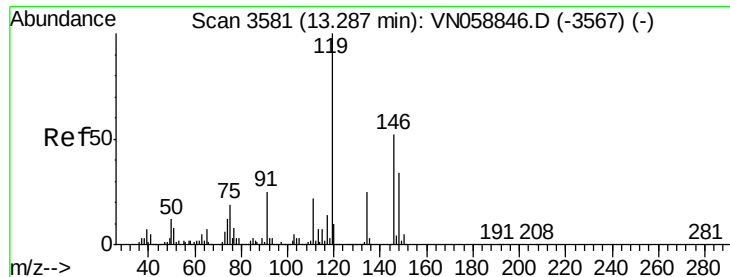


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





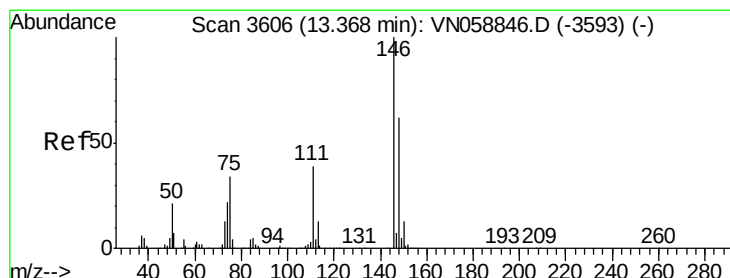
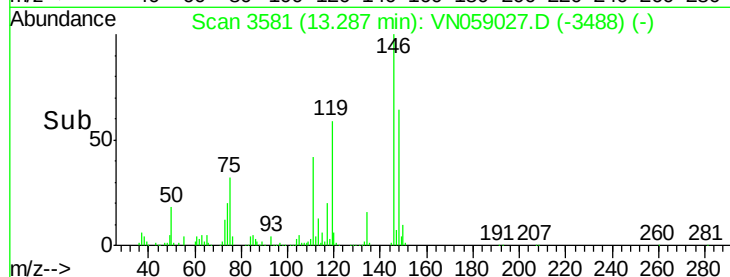
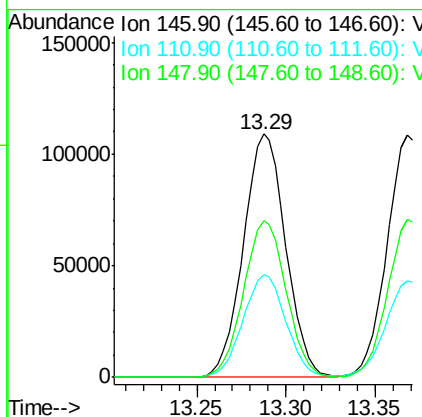
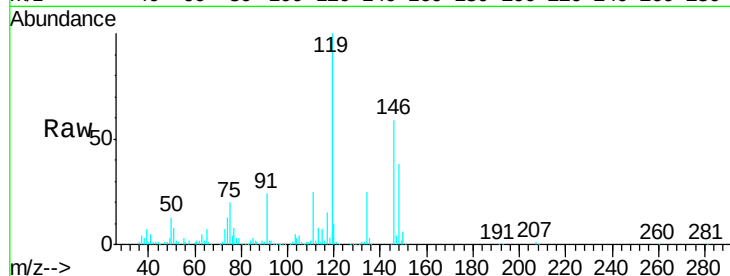
#87
 1,3-Dichlorobenzene
 Concen: 20.964 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	42.6	21.0	63.0
148	64.9	32.1	96.3

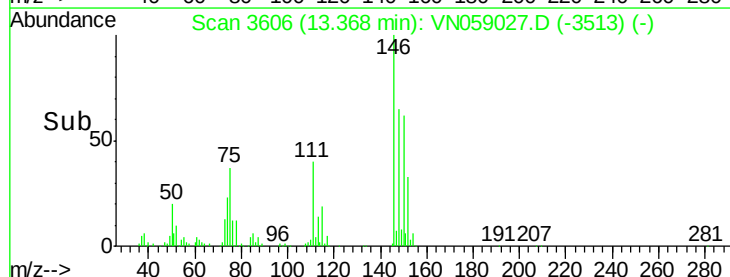
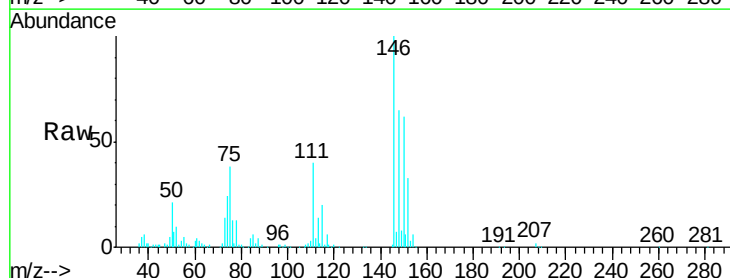
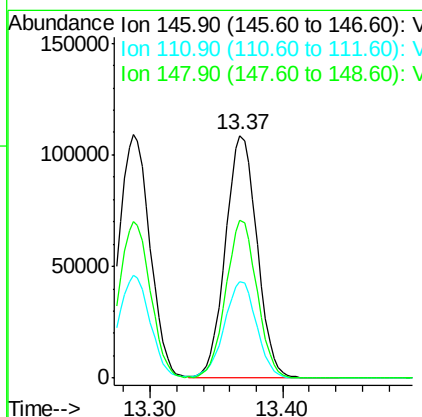
Manual Integrations
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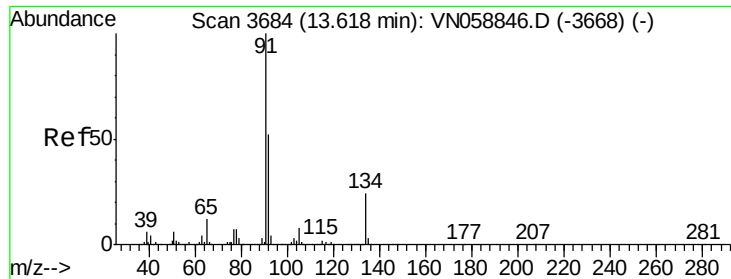
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#88
 1,4-Dichlorobenzene
 Concen: 20.921 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	40.8	20.2	60.6
148	64.1	31.6	94.7





#89

n-Butylbenzene

Concen: 20.778 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

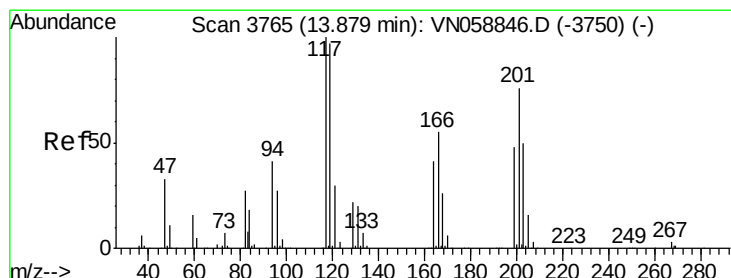
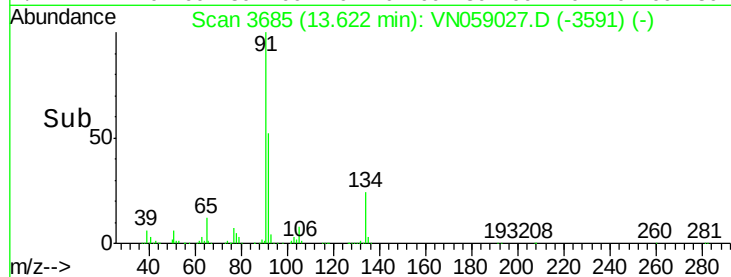
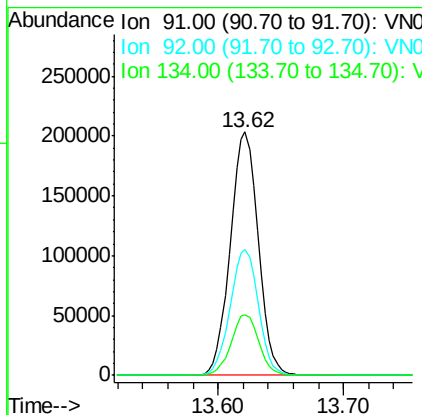
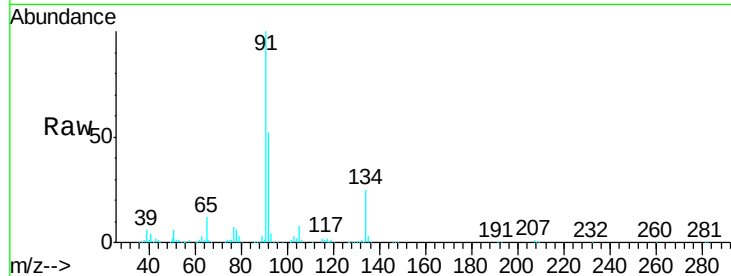
ClientSampled :

VN1031WBS01

Tgt Ion:	91	Resp:	314896
Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.7	77.1
134	24.7	11.9	35.5

Manual Integrations
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#90

Hexachloroethane

Concen: 21.206 ug/l

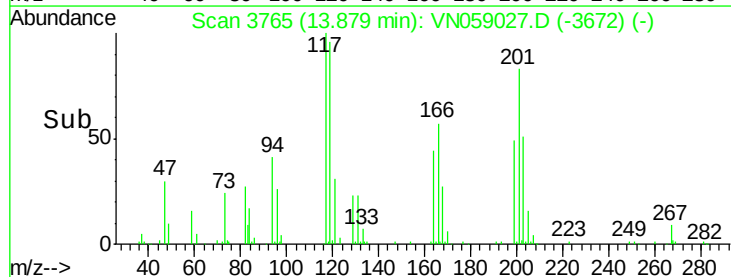
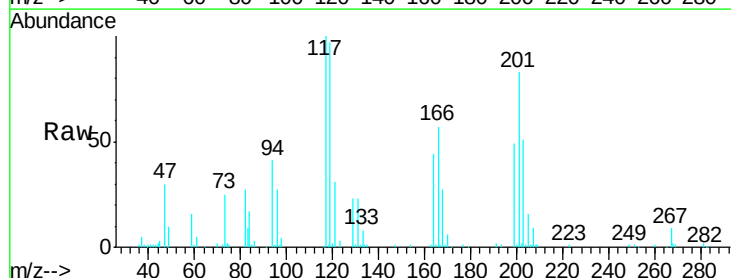
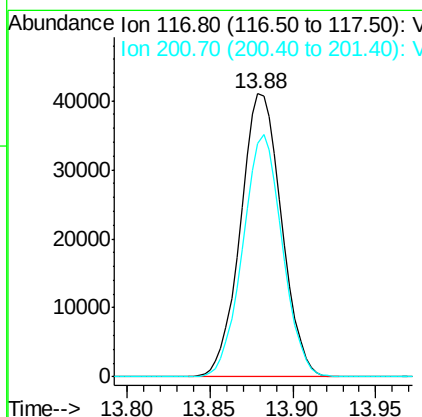
RT: 13.88 min Scan# 3765

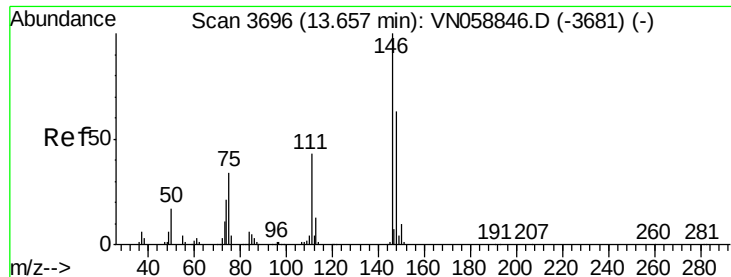
Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion:	117	Resp:	70891
Ion	Ratio	Lower	Upper
117	100		
201	82.1	38.9	116.6





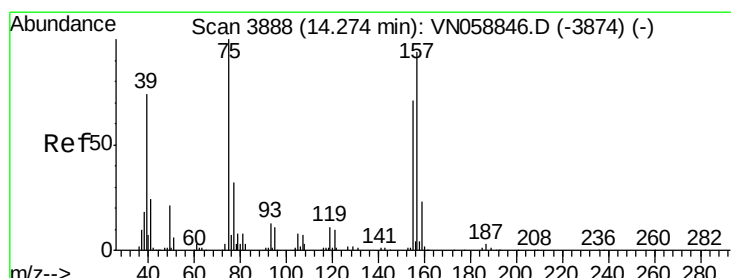
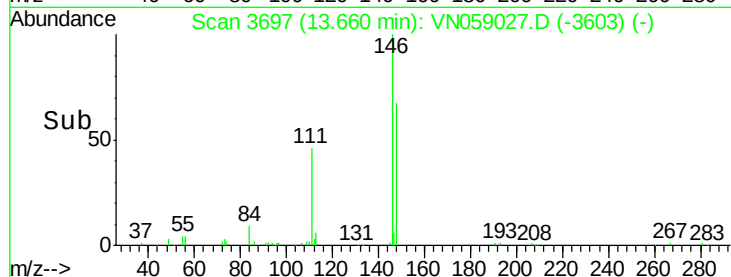
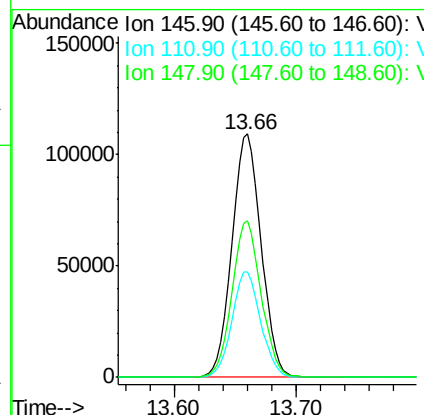
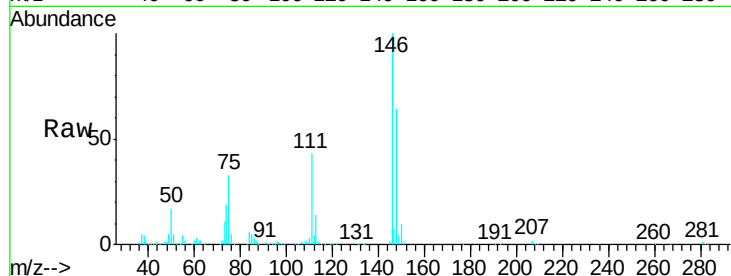
#91
 1,2-Dichlorobenzene
 Concen: 21.633 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182914		
111	42.5	21.6	64.8	
148	64.1	31.9	95.9	

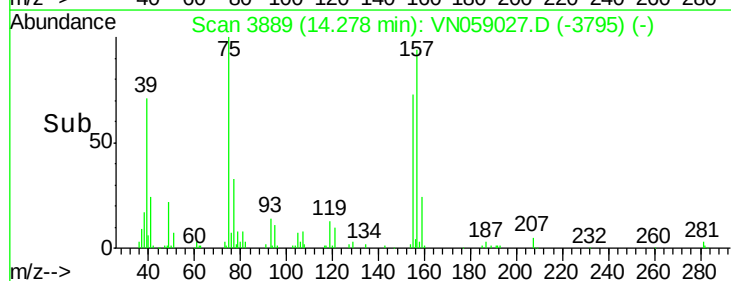
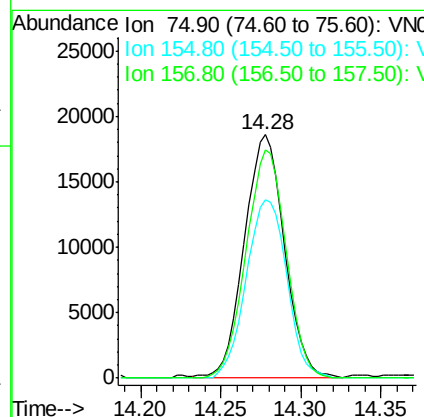
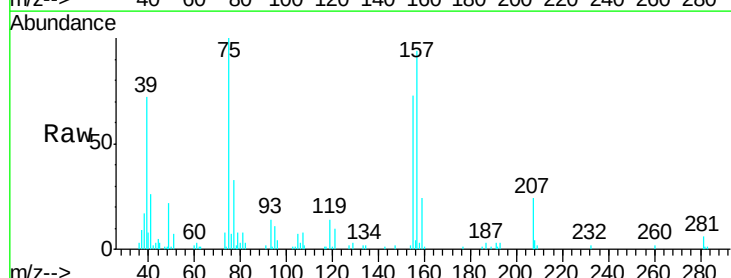
Manual Integrations
 APPROVED

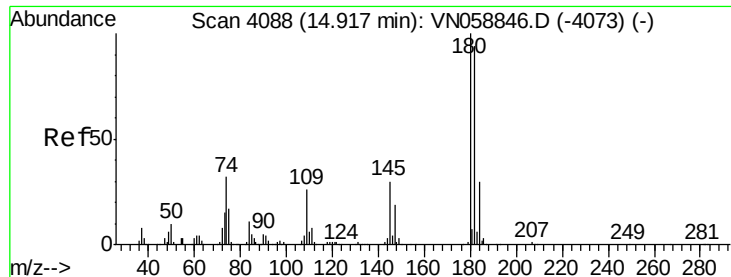
MMDadoda
 11/4/2019 7:04:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.575 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31940		
155	74.1	35.6	106.8	
157	93.6	47.4	142.2	





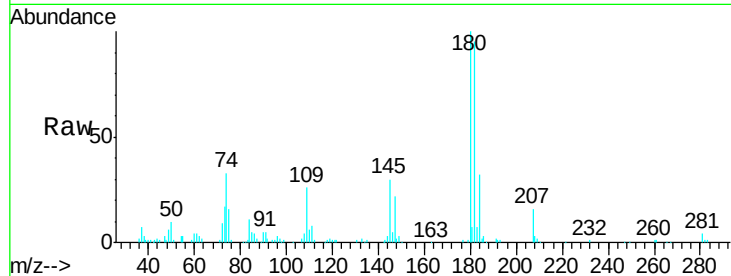
#93
 1,2,4-Trichlorobenzene
 Concen: 19.322 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

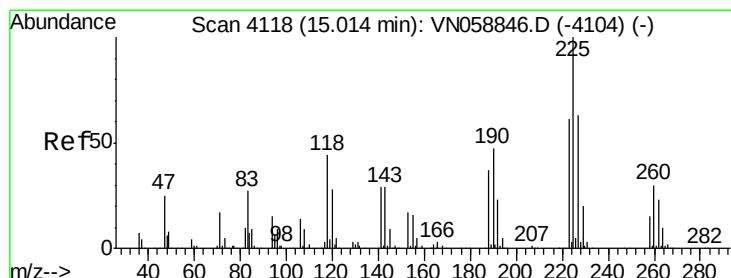
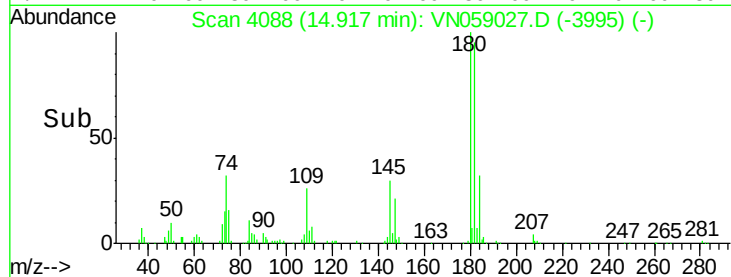
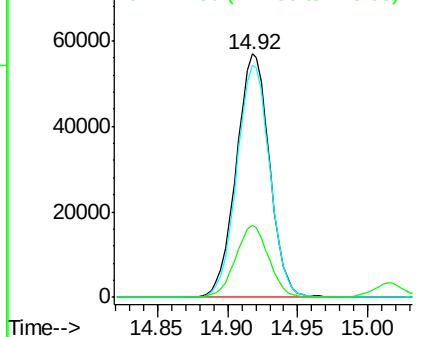
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94178		
182	94.3	47.3	142.0	
145	29.4	15.3	45.8	

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:09 AM

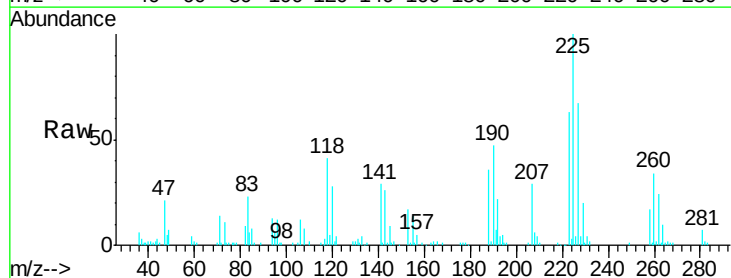


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

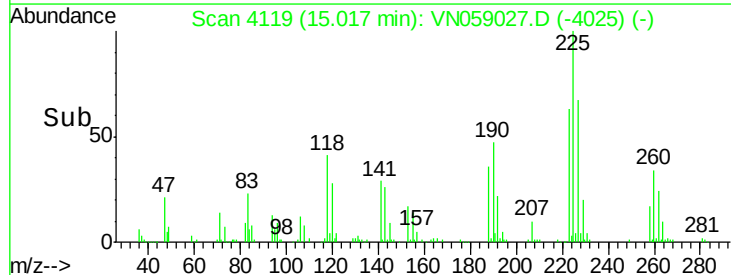
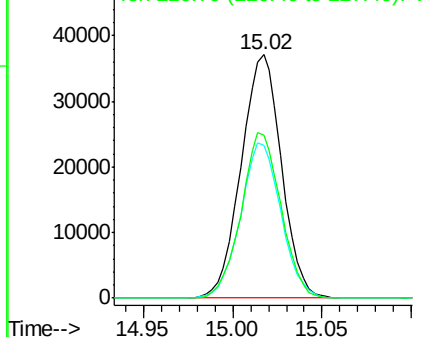


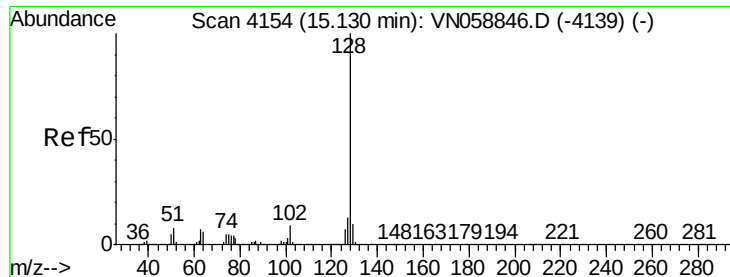
#94
 Hexachlorobutadiene
 Concen: 21.405 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58661		
223	63.8	30.9	92.5	
227	66.9	31.6	94.7	



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





#95

Naphthalene

Concen: 18.322 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

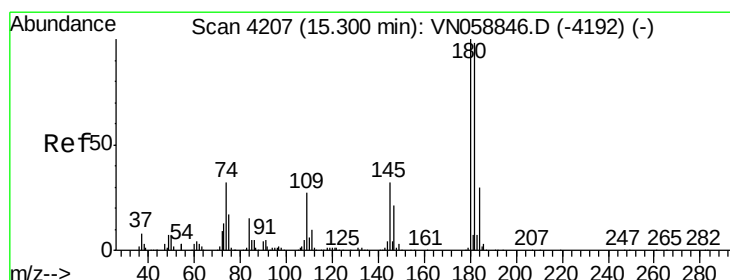
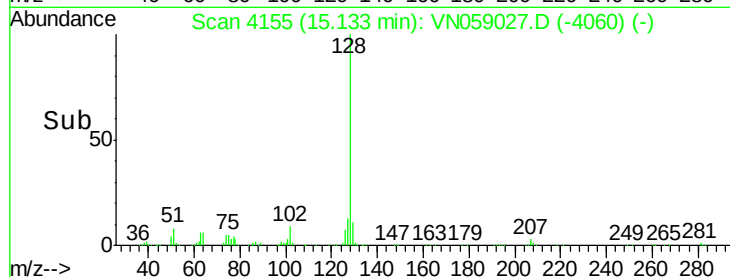
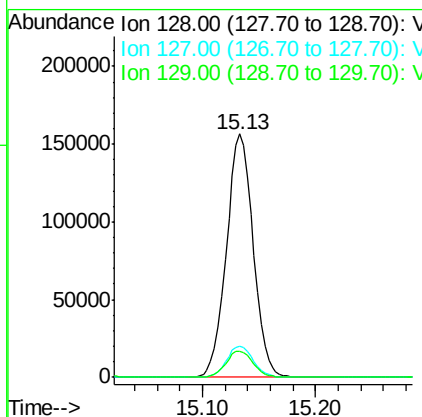
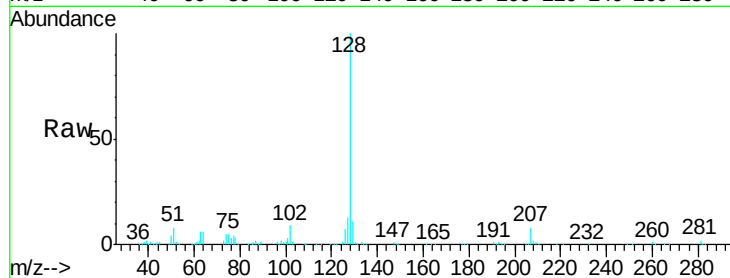
ClientSampleId :

VN1031WBS01

Tgt Ion:	128	Resp:	257738
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
11/4/2019 7:04:09 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.143 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion:	180	Resp:	96597
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	33.1	15.9	47.7

