

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058427.D
 Acq On : 30 Sep 2019 12:15
 Operator : JC/SP
 Sample : VN0930WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:16 AM

Quant Time: Oct 01 08:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	425067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	725538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	646265	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	299712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	310444	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.57	113	223300	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.08	98	871263	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
62) 4-Bromofluorobenzene	12.41	95	310460	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96268	20.655	ug/l	97
3) Chloromethane	2.04	50	108374	21.150	ug/l	100
4) Vinyl Chloride	2.17	62	105323	20.982	ug/l	98
5) Bromomethane	2.55	94	53775	20.169	ug/l	97
6) Chloroethane	2.69	64	62894	20.912	ug/l	100
7) Trichlorofluoromethane	3.00	101	128091	21.146	ug/l	95
8) Diethyl Ether	3.39	74	54113	20.705	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84872	20.631	ug/l	99
10) Methyl Iodide	3.93	142	88347	19.368	ug/l	98
11) Tert butyl alcohol	4.76	59	77715	112.620	ug/l	100
12) 1,1-Dichloroethene	3.72	96	80758	20.140	ug/l	100
13) Acrolein	3.59	56	27699	126.201	ug/l	98
14) Allyl chloride	4.30	41	148422	20.339	ug/l	100
15) Acrylonitrile	4.96	53	216420	107.610	ug/l	99
16) Acetone	3.80	43	217185	102.567	ug/l	99
17) Carbon Disulfide	4.03	76	219928	20.807	ug/l	97
18) Methyl Acetate	4.30	43	103431	19.421	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	289686	20.475	ug/l	98
20) Methylene Chloride	4.53	84	97485	19.949	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	92814	20.815	ug/l	96
22) Diisopropyl ether	5.93	45	317126	20.195	ug/l	98
23) Vinyl Acetate	5.87	43	1302156	109.975	ug/l	99
24) 1,1-Dichloroethane	5.83	63	183953	20.815	ug/l	99
25) 2-Butanone	6.82	43	308224	106.019	ug/l	99
26) 2,2-Dichloropropane	6.81	77	146230	20.126	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	106950	20.522	ug/l	98
28) Bromochloromethane	7.17	49	77126	21.832	ug/l	99
29) Tetrahydrofuran	7.19	42	194939	105.646	ug/l	100
30) Chloroform	7.36	83	186700	20.847	ug/l	98
31) Cyclohexane	7.64	56	177072	20.598	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	157362	21.398	ug/l	100
36) 1,1-Dichloropropene	7.78	75	139425	20.097	ug/l	99
37) Ethyl Acetate	6.91	43	127352	21.652	ug/l	99
38) Carbon Tetrachloride	7.76	117	129316	20.650	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	167455	20.669	ug/l	99
40) Benzene	8.03	78	409470	20.533	ug/l	99
41) Methacrylonitrile	7.16	41	57392	21.210	ug/l	96
42) 1,2-Dichloroethane	8.11	62	157528	20.304	ug/l	99
43) Isopropyl Acetate	8.15	43	211093	19.085	ug/l	98
44) Trichloroethene	8.82	130	100308	20.371	ug/l	96
45) 1,2-Dichloropropane	9.11	63	110859	20.728	ug/l	100
46) Dibromomethane	9.20	93	70155	20.713	ug/l	98
47) Bromodichloromethane	9.39	83	136794	21.317	ug/l	99
48) Methyl methacrylate	9.19	41	100240	19.903	ug/l	98
49) 1,4-Dioxane	9.19	88	35768	531.126	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	631639	111.175	ug/l	98
52) Toluene	10.15	92	249951	19.913	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	143139	20.493	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	162044	20.900	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	95561	20.909	ug/l	99
56) Ethyl methacrylate	10.43	69	145217	20.939	ug/l	100
57) 1,3-Dichloropropane	10.71	76	171391	21.024	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	282252	102.067	ug/l	99
59) 2-Hexanone	10.75	43	459426	111.054	ug/l	99
60) Dibromochloromethane	10.90	129	93013	19.313	ug/l	98
61) 1,2-Dibromoethane	11.00	107	97094	20.791	ug/l	98
64) Tetrachloroethene	10.63	164	81009	19.730	ug/l	97
65) Chlorobenzene	11.43	112	262345	20.422	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91255	21.084	ug/l	99
67) Ethyl Benzene	11.51	91	487405	20.947	ug/l	99
68) m/p-Xylenes	11.62	106	350629	40.051	ug/l	94
69) o-Xylene	11.95	106	171367	20.334	ug/l	97
70) Styrene	11.97	104	286762	20.945	ug/l	99
71) Bromoform	12.13	173	57334	19.597	ug/l #	99
73) Isopropylbenzene	12.25	105	474448	21.420	ug/l	100
74) N-amyl acetate	12.07	43	180603	20.496	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	137374	20.974	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	118677m	21.679	ug/l	
77) Bromobenzene	12.53	156	108783	20.946	ug/l	99
78) n-propylbenzene	12.60	91	544606	21.825	ug/l	100
79) 2-Chlorotoluene	12.68	91	320480	20.807	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	396720	21.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34963	19.397	ug/l	90
82) 4-Chlorotoluene	12.78	91	325864	20.734	ug/l	99
83) tert-Butylbenzene	13.00	119	335170	21.423	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	391240	21.061	ug/l	99
85) sec-Butylbenzene	13.18	105	452558	21.977	ug/l	100
86) p-Isopropyltoluene	13.29	119	398031	21.959	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	190531	20.232	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	190555	20.338	ug/l	98
89) n-Butylbenzene	13.62	91	348919	21.250	ug/l	100
90) Hexachloroethane	13.88	117	60802	22.325	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	187634	20.737	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	24671	21.360	ug/l	94

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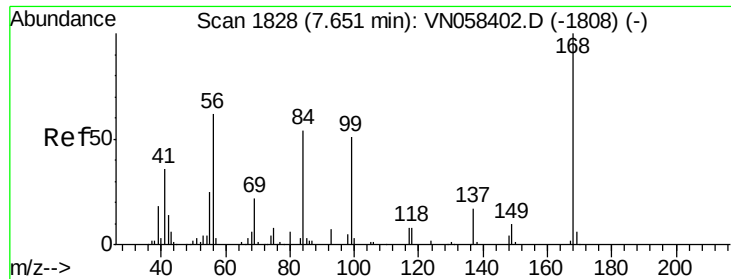
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105369	21.073	ug/l	98
94) Hexachlorobutadiene	15.02	225	53459	20.801	ug/l	98
95) Naphthalene	15.13	128	283828	19.365	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	100815	20.096	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion:168 Resp: 425067

Ion Ratio Lower Upper

168 100

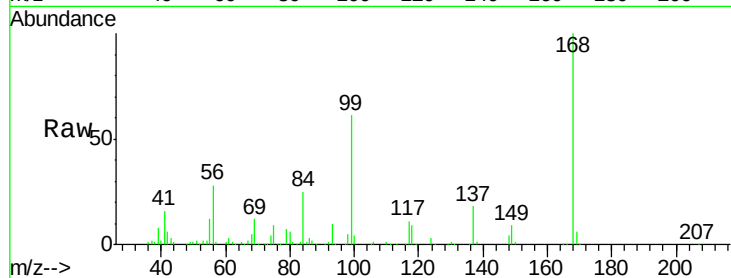
99 61.0 47.7 71.5

Manual Integrations

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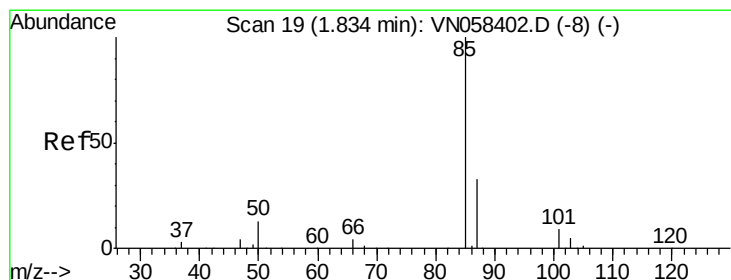
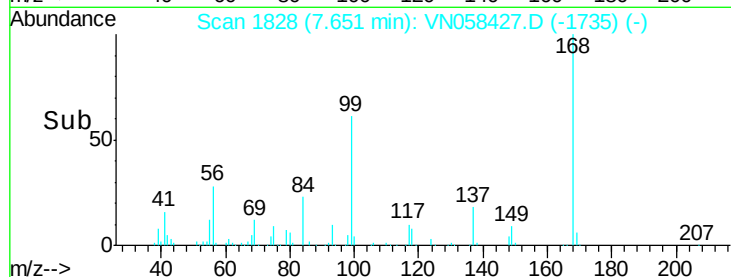
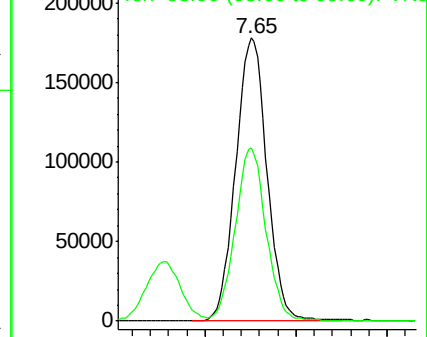
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10/2/2019 9:22:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.655 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058427.D

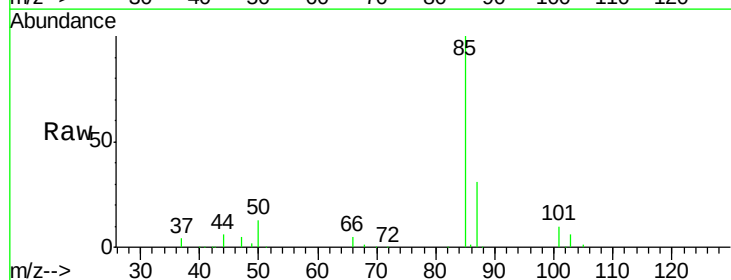
Acq: 30 Sep 2019 12:15

Tgt Ion: 85 Resp: 96268

Ion Ratio Lower Upper

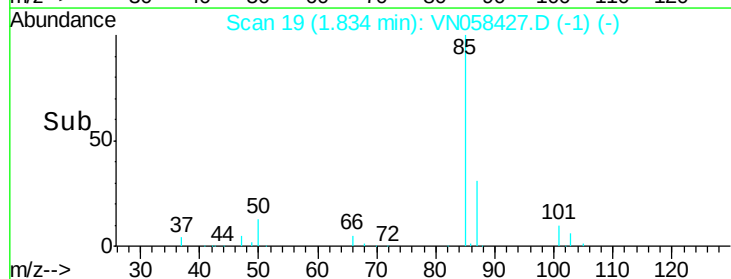
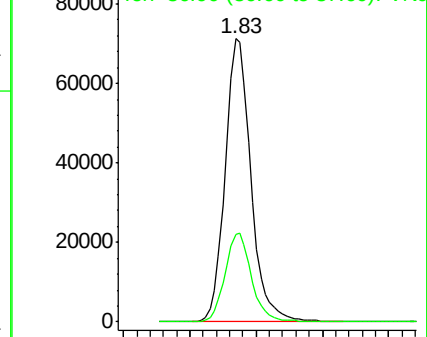
85 100

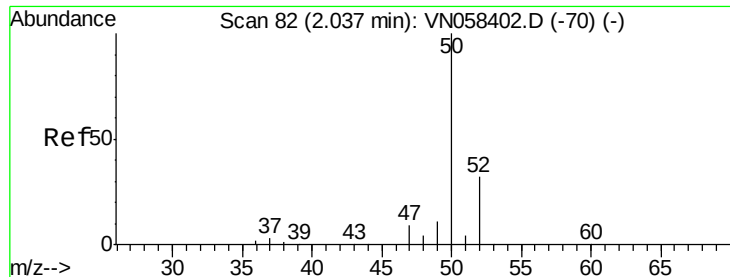
87 31.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 21.150 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 50 Resp: 108374

Ion Ratio Lower Upper

50 100

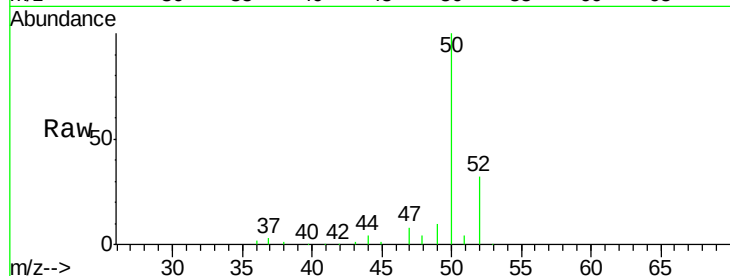
52 32.4 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

80000

60000

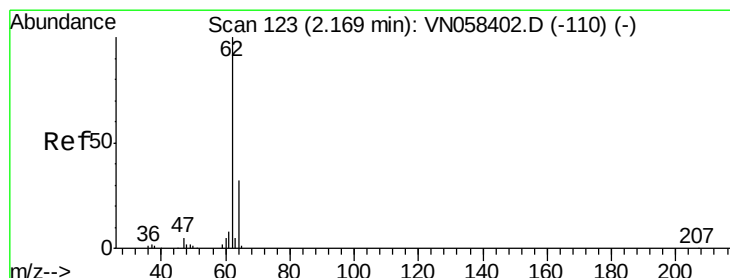
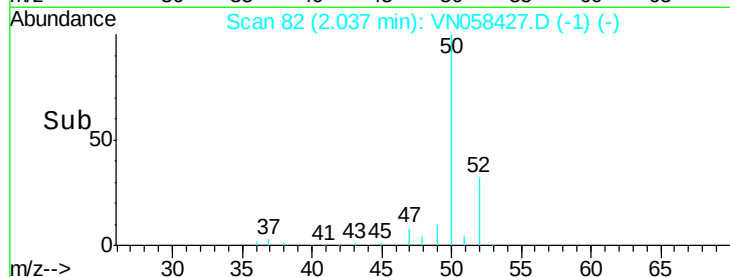
40000

20000

0

Time-->

1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 20.982 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058427.D

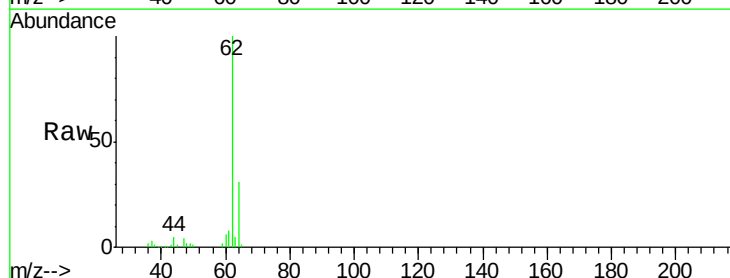
Acq: 30 Sep 2019 12:15

Tgt Ion: 62 Resp: 105323

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

80000

60000

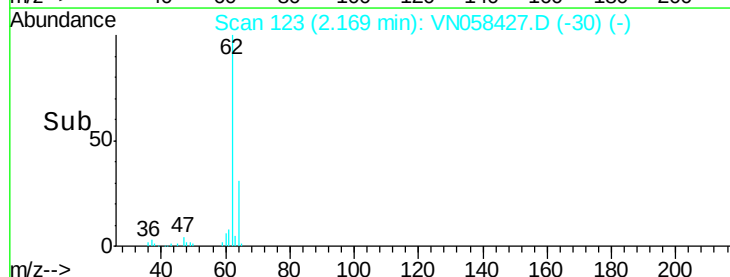
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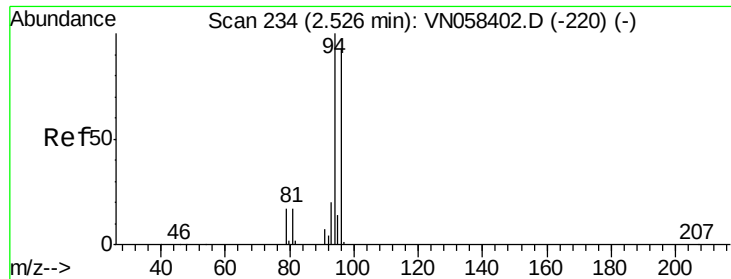
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 20.169 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 94 Resp: 53775

Ion Ratio Lower Upper

94 100

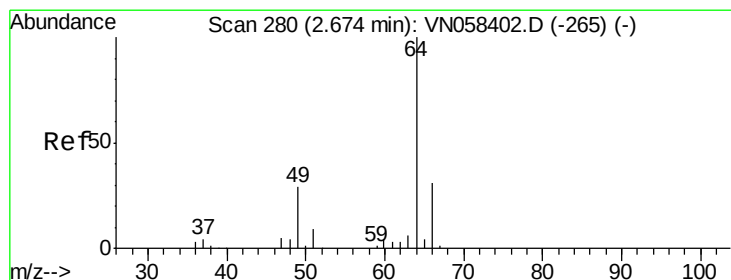
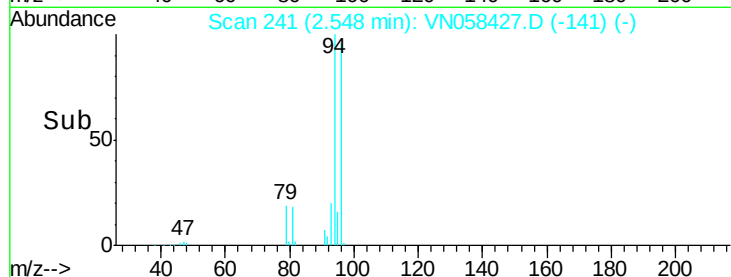
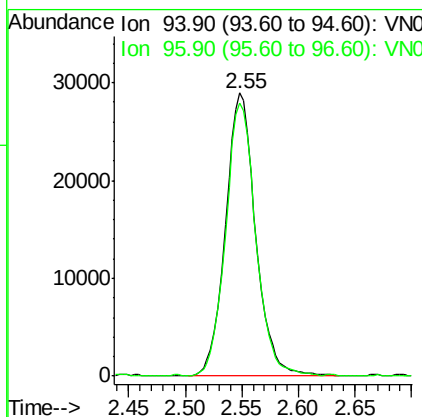
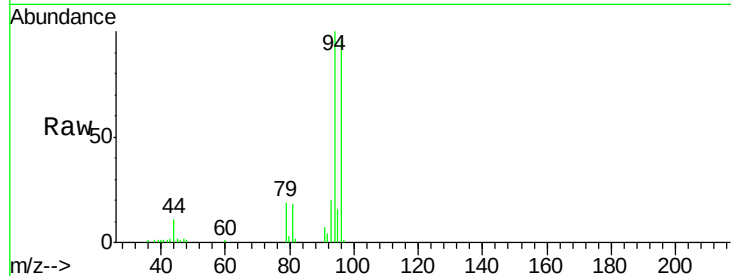
96 96.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 20.912 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058427.D

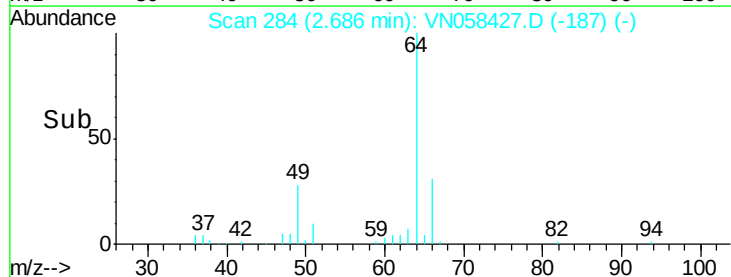
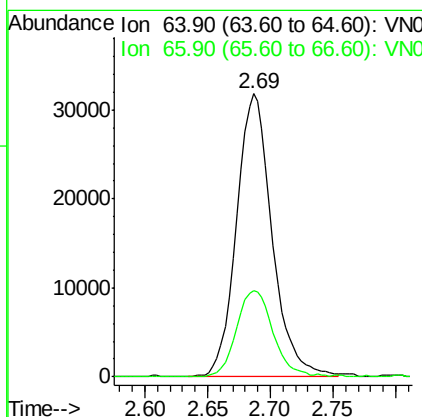
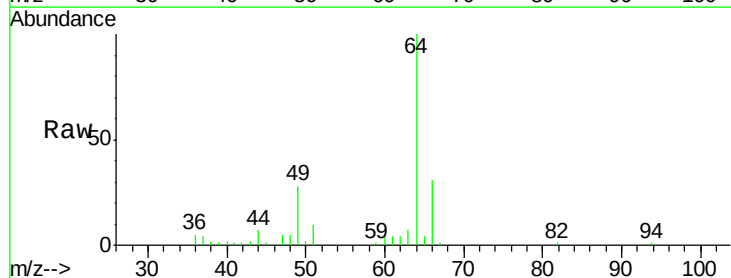
Acq: 30 Sep 2019 12:15

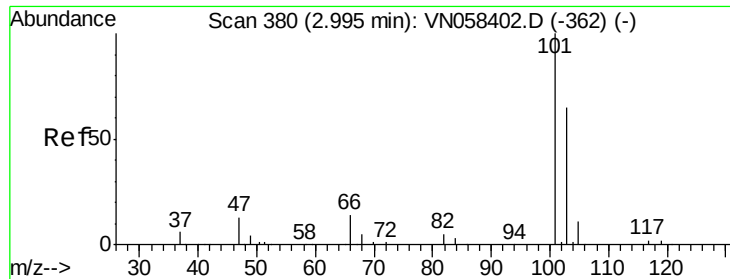
Tgt Ion: 64 Resp: 62894

Ion Ratio Lower Upper

64 100

66 30.6 24.4 36.6





#7

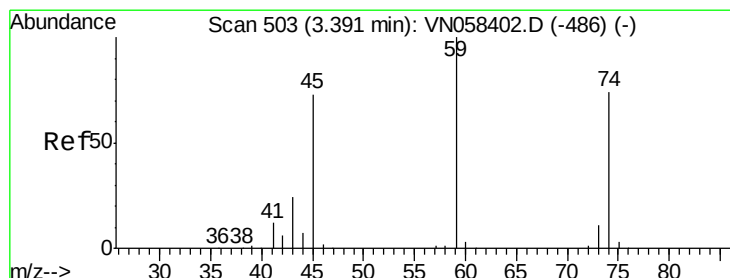
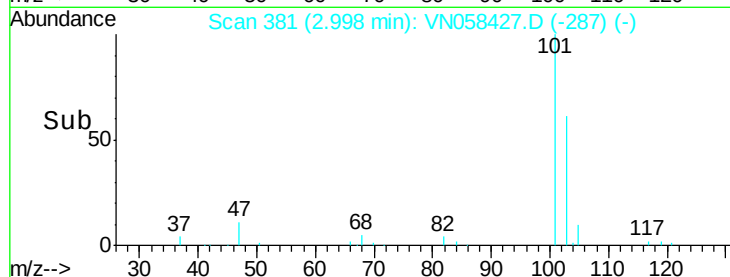
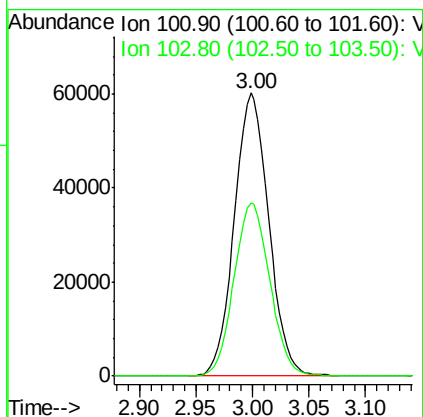
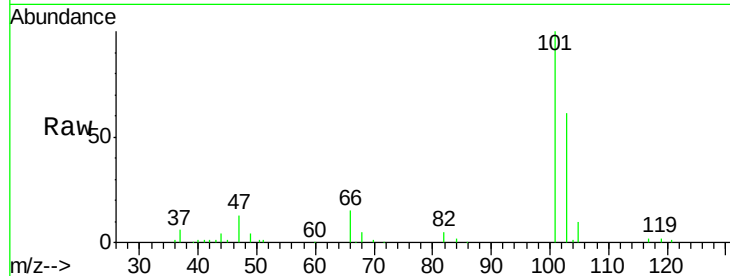
Trichlorofluoromethane
 Concen: 21.146 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
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 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	52.3	78.5

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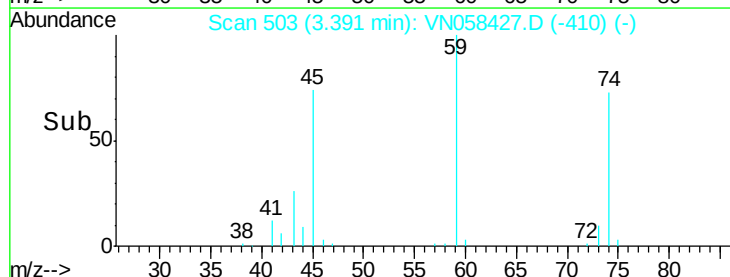
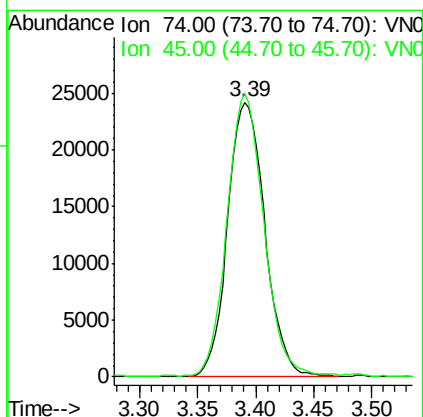
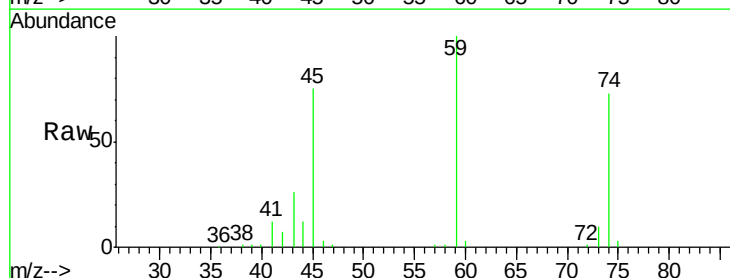
MMDadoda
 10/2/2019 9:22:16 AM

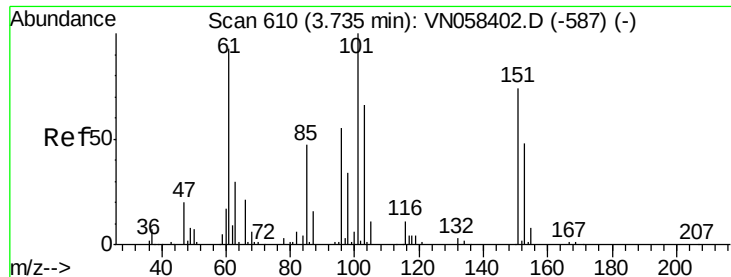


#8

Diethyl Ether
 Concen: 20.705 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.631 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

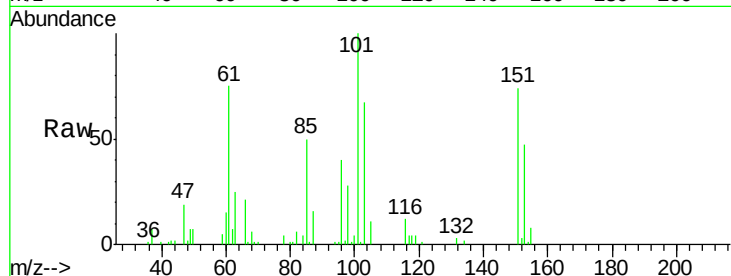
ClientSampleId :

VN0930WBS01

Tot Ion:	101	Resp:	84872
Ion Ratio	Lower	Upper	
101	100		
85	48.0	36.7	55.1
151	74.1	59.4	89.0

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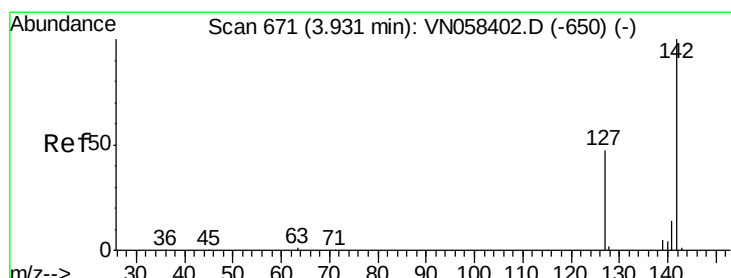
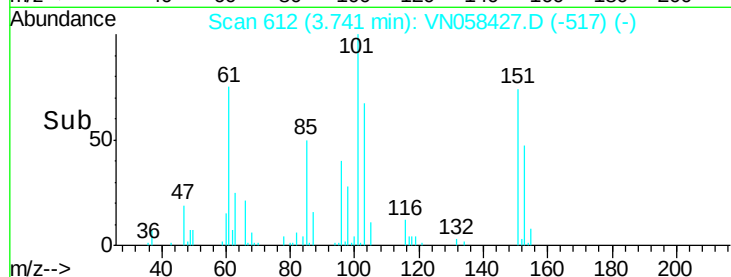
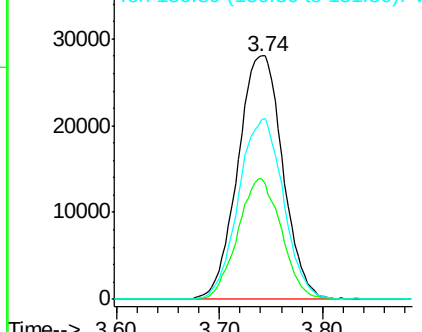
MMDadoda
10/2/2019 9:22:16 AM



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: 19.368 ug/l

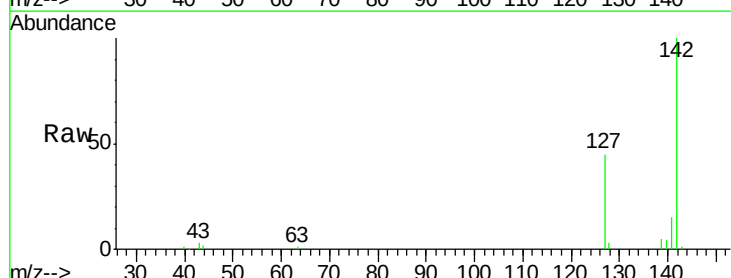
RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

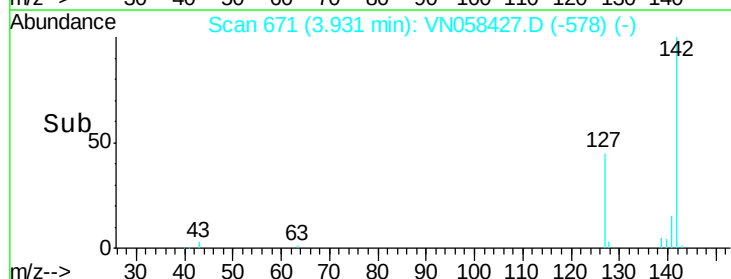
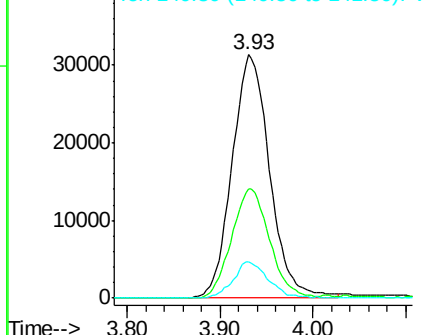
Tgt Ion:	142	Resp:	88347
Ion Ratio	Lower	Upper	
142	100		
127	45.2	37.2	55.8
141	13.8	11.3	16.9

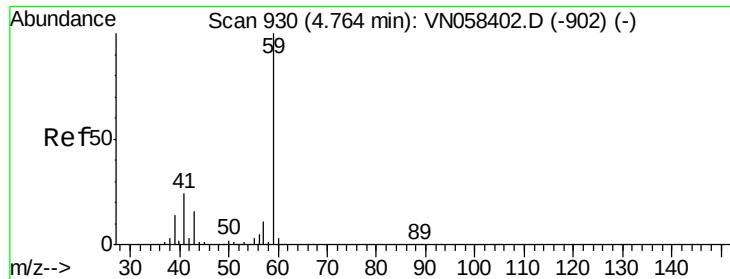


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





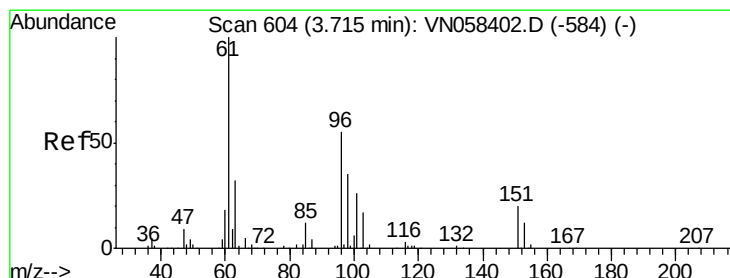
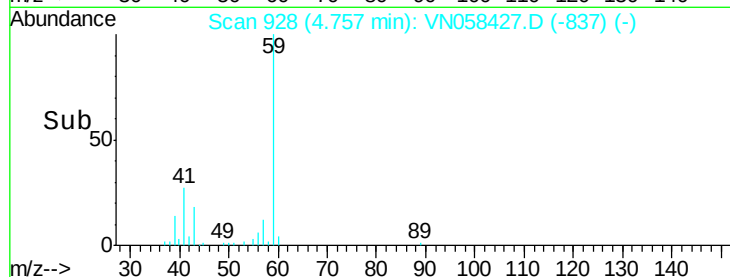
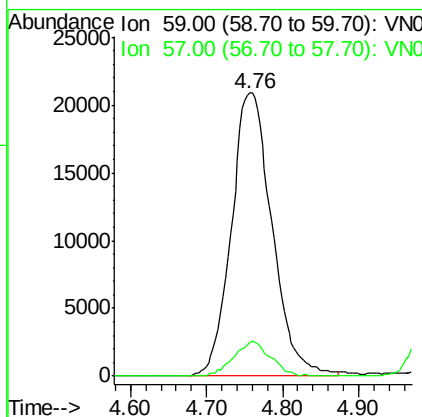
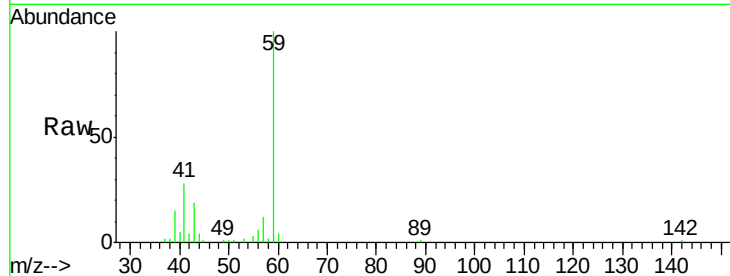
#11
Tert butyl alcohol
Concen: 112.620 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	59	Resp	77715
Ion Ratio	100	Lower	Upper
57	11.0	9.0	13.4

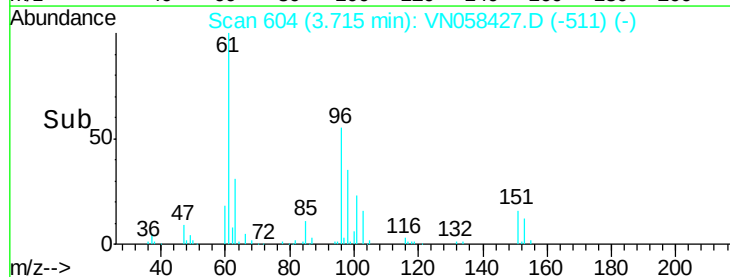
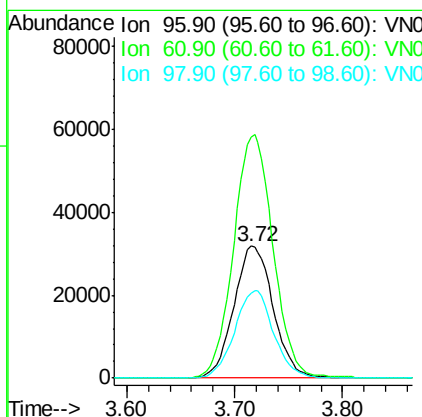
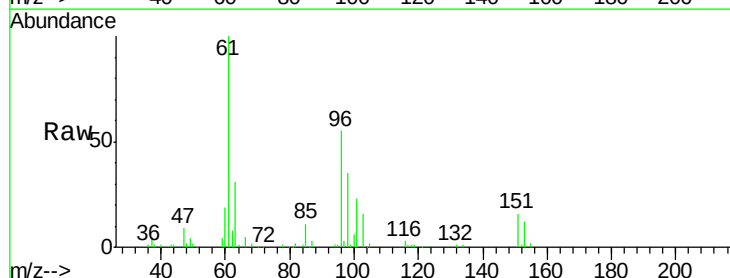
Manual Integrations
APPROVED

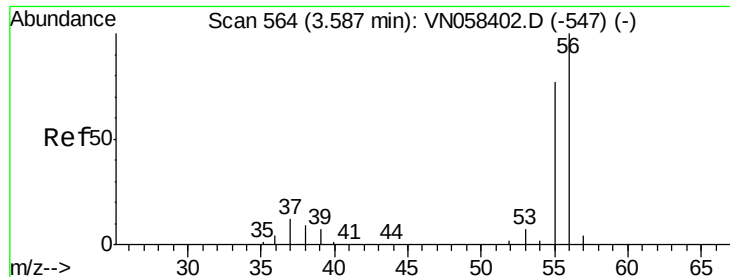
MMDadoda
10/2/2019 9:22:16 AM



#12
1,1-Dichloroethene
Concen: 20.140 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	96	Resp	80758
Ion Ratio	100	Lower	Upper
61	182.9	146.7	220.1
98	64.3	51.3	76.9





#13

Acrolein

Concen: 126.201 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 56 Resp: 27699

Ion Ratio Lower Upper

56 100

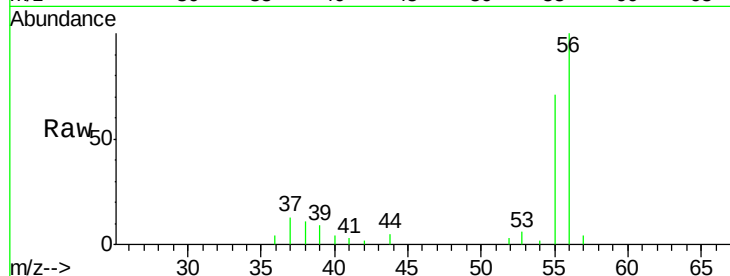
55 71.5 58.3 87.5

Manual Integrations

APPROVED

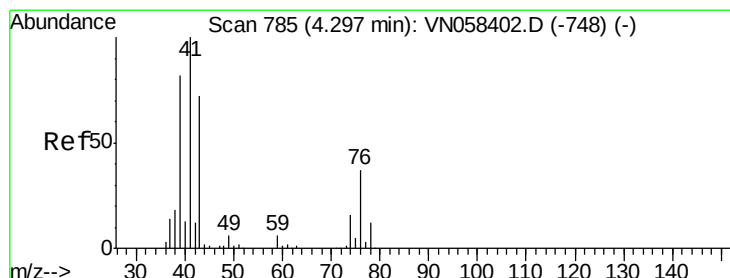
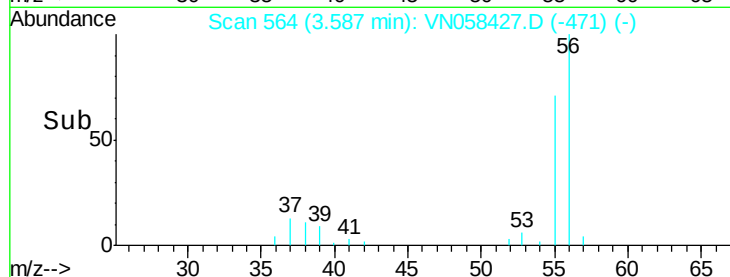
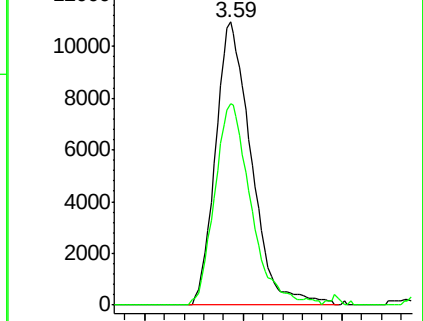
MMDadoda

10/2/2019 9:22:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.339 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

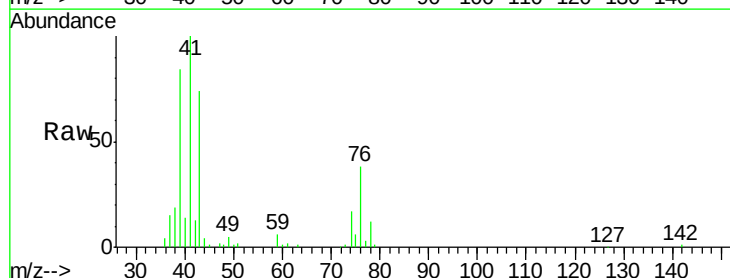
Tgt Ion: 41 Resp: 148422

Ion Ratio Lower Upper

41 100

39 78.1 62.3 93.5

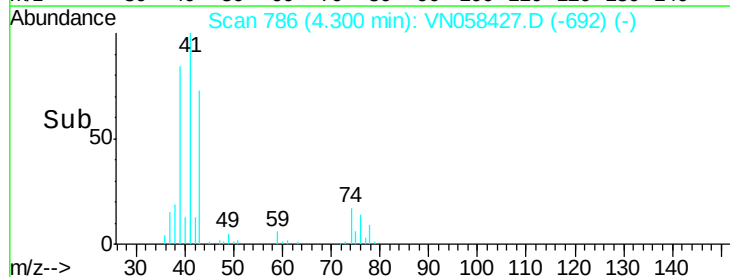
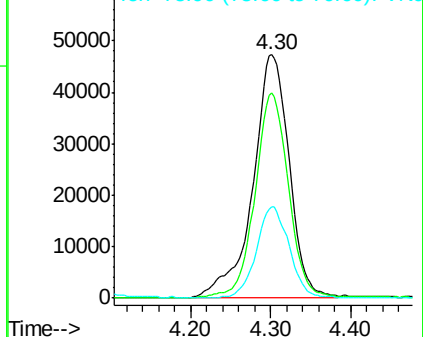
76 33.9 26.9 40.3

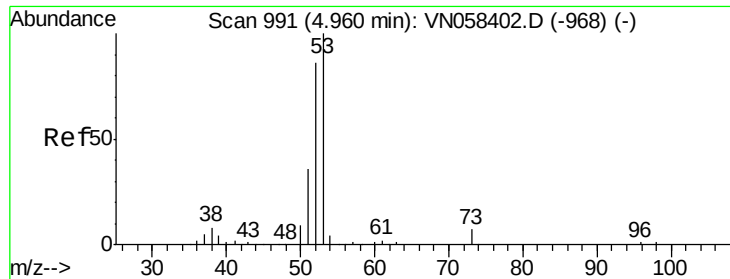


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 107.610 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

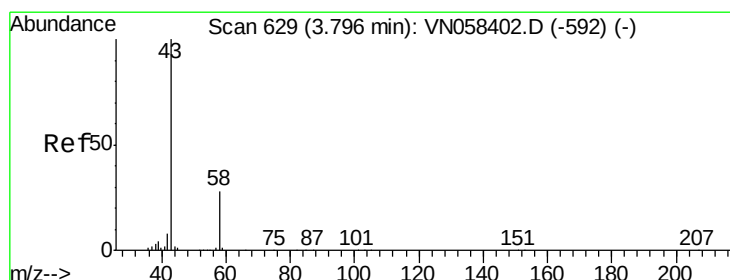
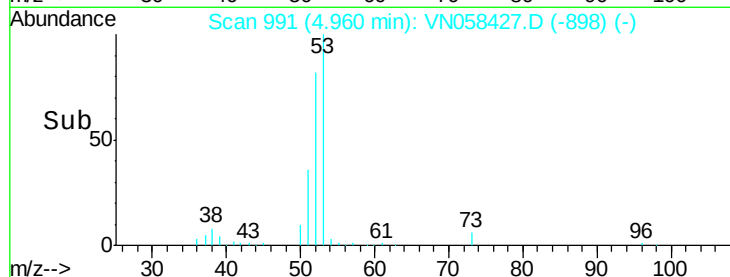
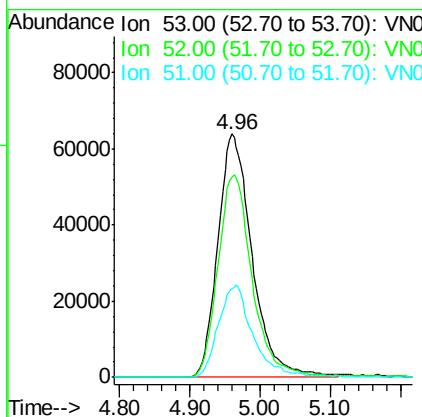
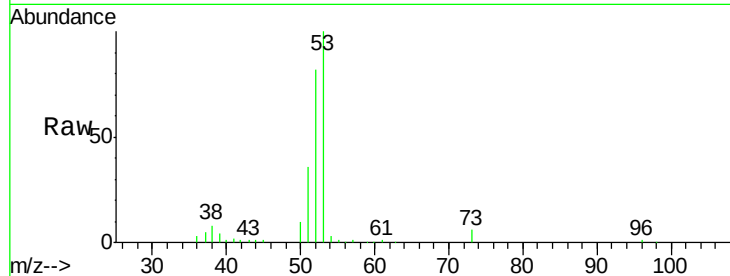
ClientSampleId :

VN0930WBS01

Tot Ion:	53	Resp:	216420
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	100.0
51	37.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 102.567 ug/l

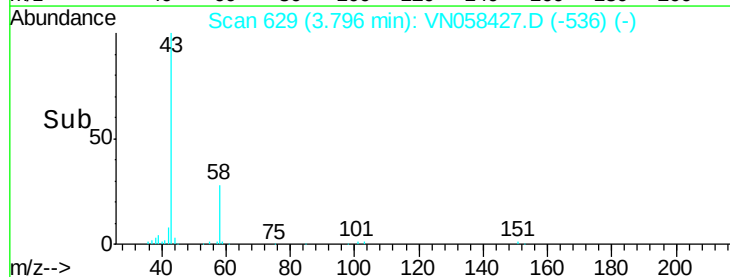
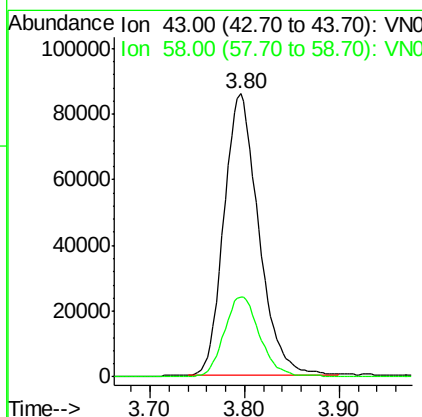
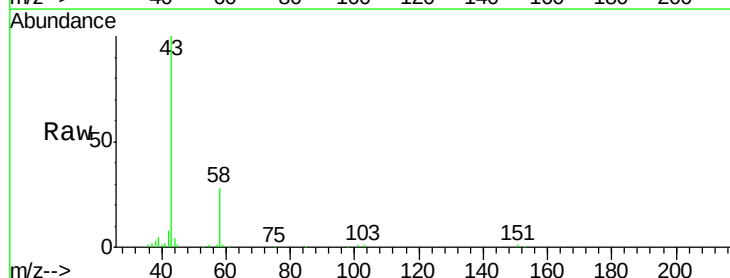
RT: 3.80 min Scan# 629

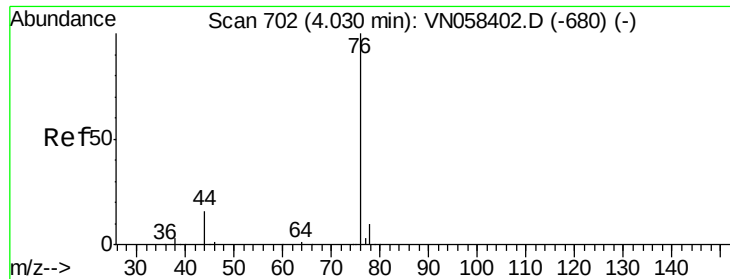
Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Tgt Ion:	43	Resp:	217185
Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.4	33.6





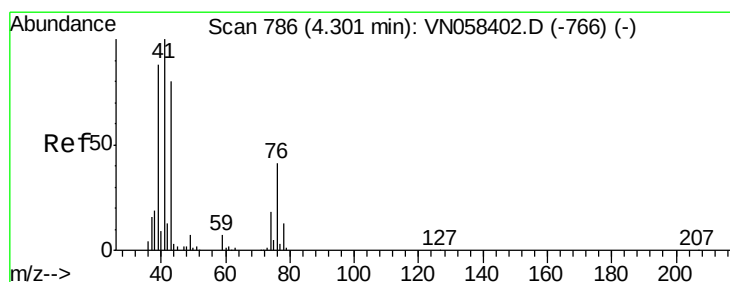
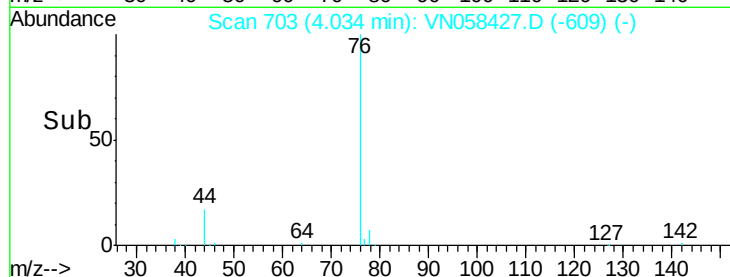
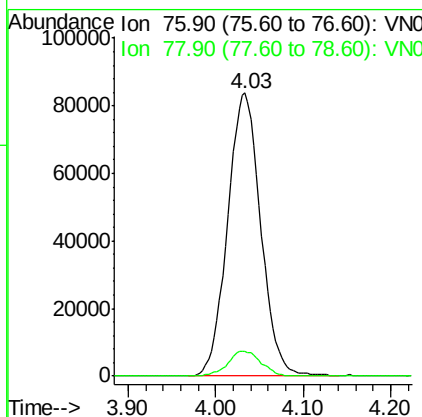
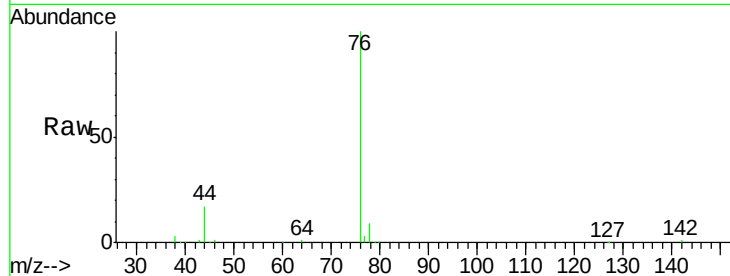
#17
Carbon Disulfide
Concen: 20.807 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	8.6	7.7	11.5	

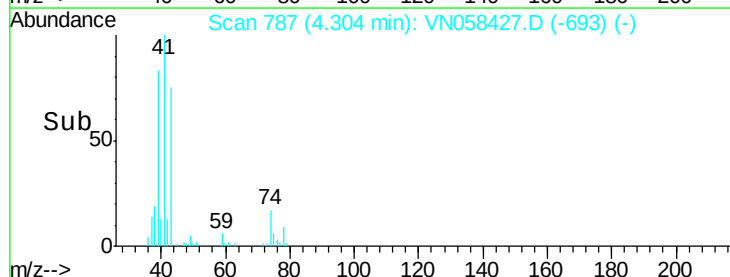
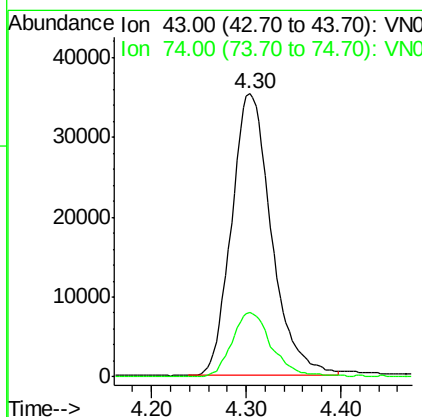
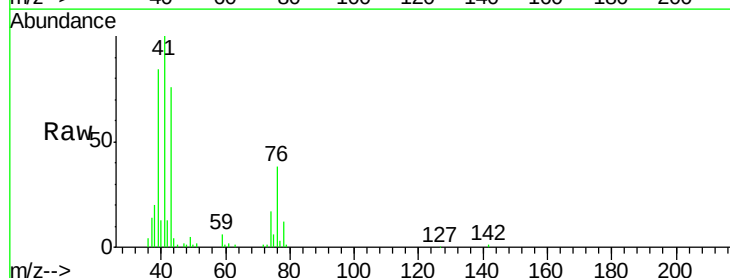
Manual Integrations
APPROVED

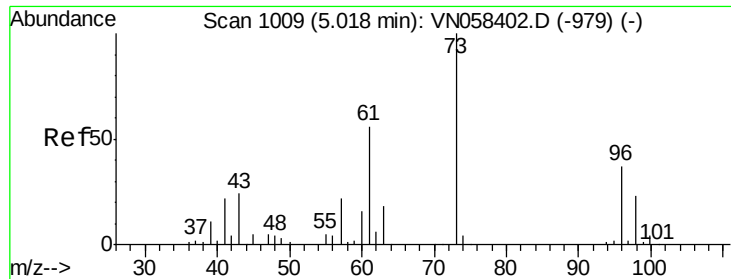
MMDadoda
10/2/2019 9:22:16 AM



#18
Methyl Acetate
Concen: 19.421 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	22.7	18.0	27.0	





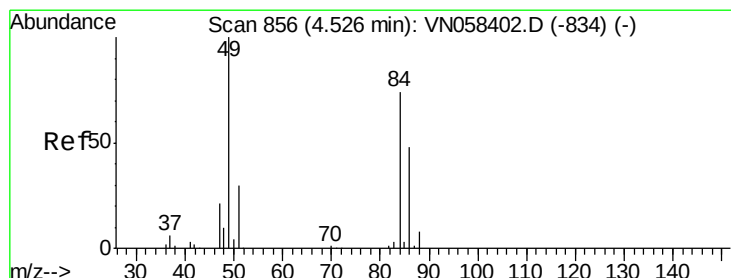
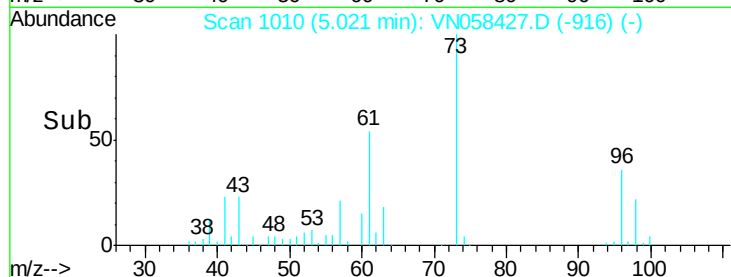
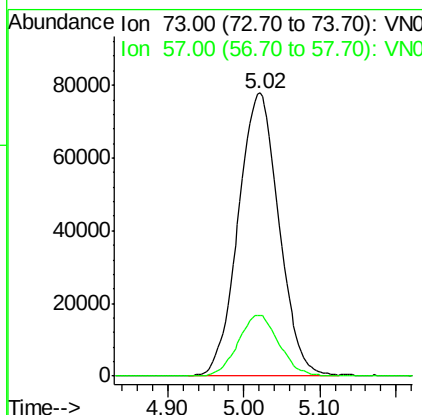
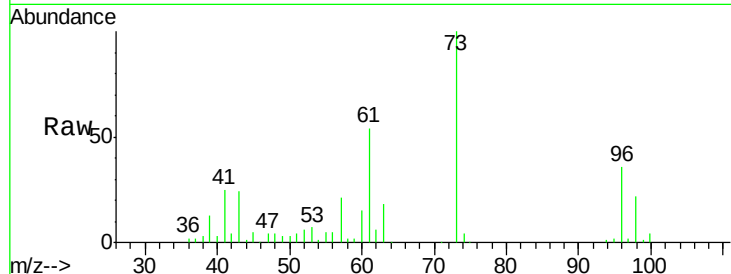
#19
Methyl tert-butyl Ether
Concen: 20.475 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion: 73 Resp: 289686
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

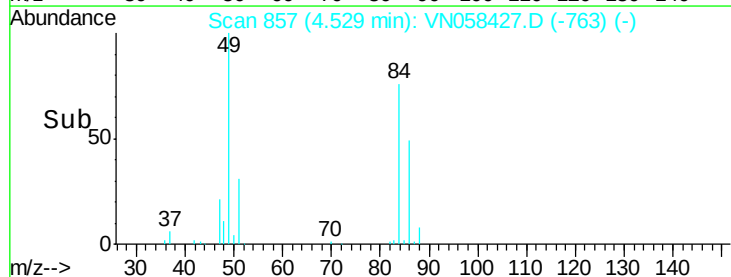
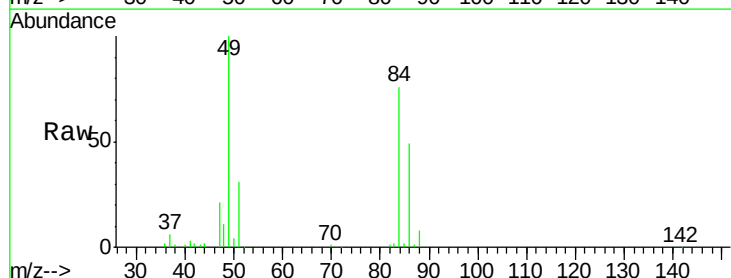
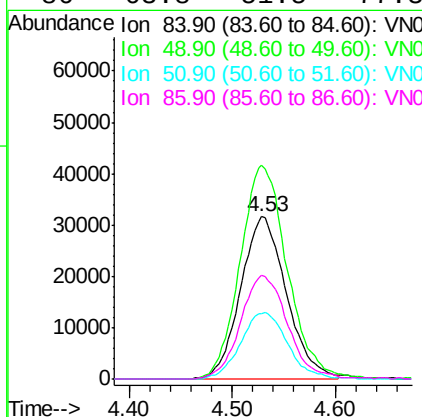
Manual Integrations
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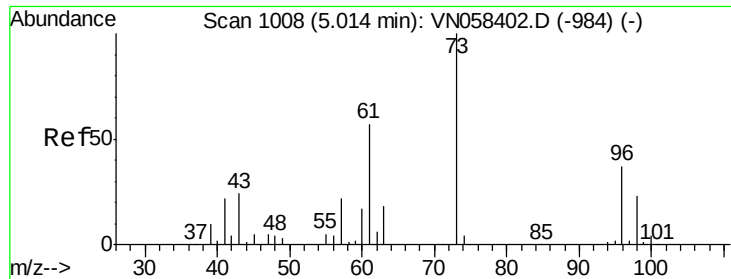
MMDadoda
10/2/2019 9:22:16 AM



#20
Methylene Chloride
Concen: 19.949 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 84 Resp: 97485
Ion Ratio Lower Upper
84 100
49 131.5 107.9 161.9
51 40.6 32.8 49.2
86 63.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.815 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 96 Resp: 92814

Ion Ratio Lower Upper

96 100

61 147.9 121.9 182.9

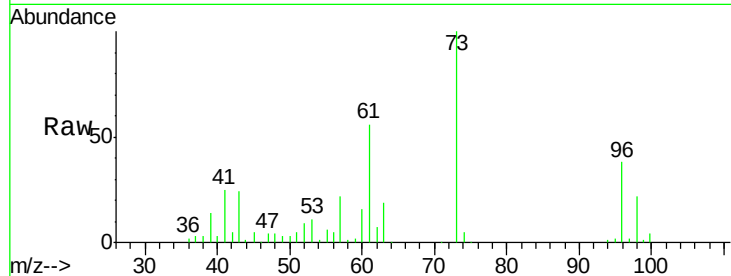
98 57.8 49.3 73.9

Manual Integrations

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MMDadoda

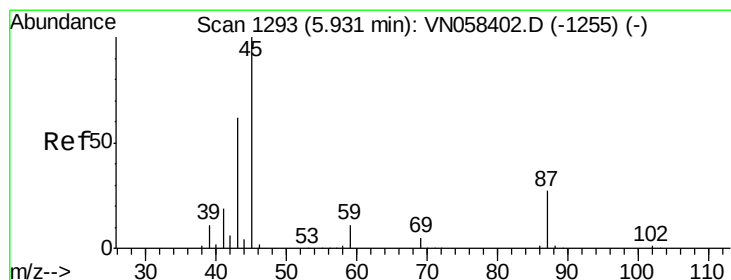
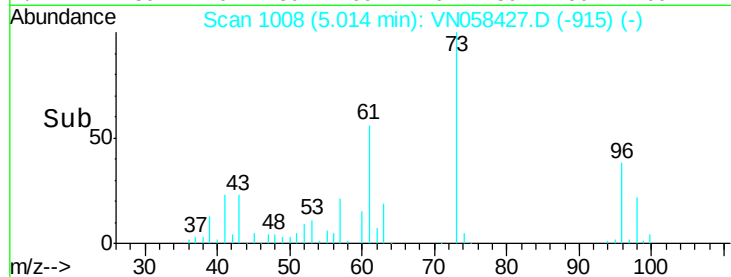
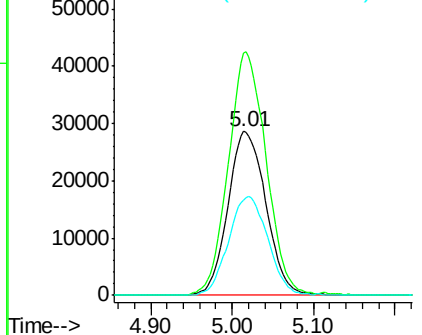
10/2/2019 9:22:16 AM



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.195 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Tgt Ion: 45 Resp: 317126

Ion Ratio Lower Upper

45 100

43 63.7 49.7 74.5

87 26.4 21.5 32.3

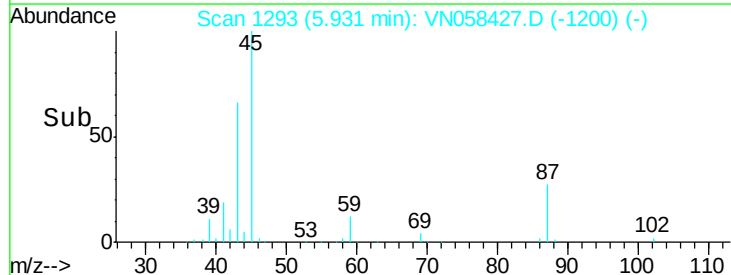
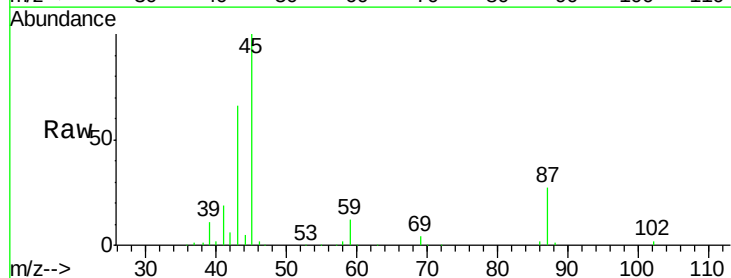
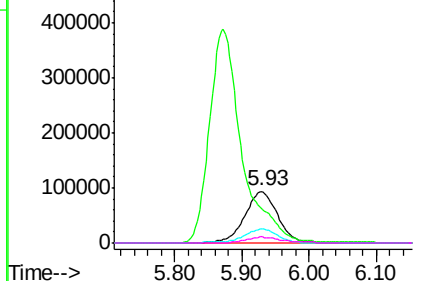
59 11.4 8.9 13.3

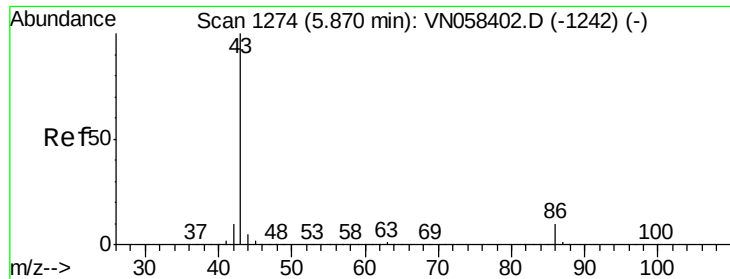
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 109.975 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 43 Resp: 1302156

Ion Ratio Lower Upper

43 100

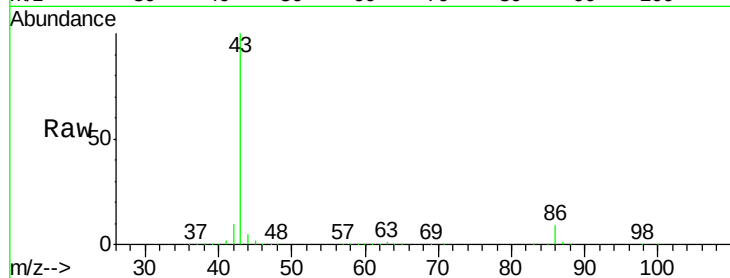
86 9.2 7.7 11.5

Manual Integrations

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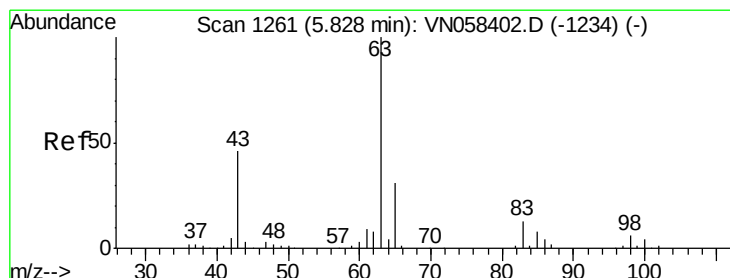
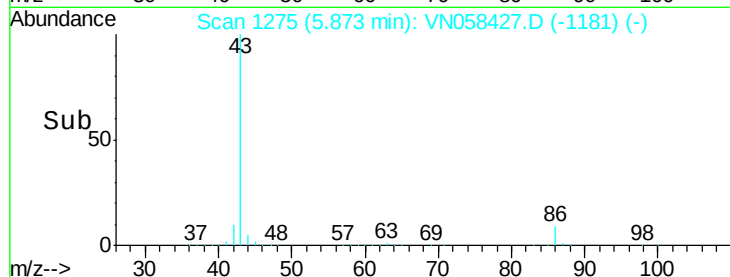
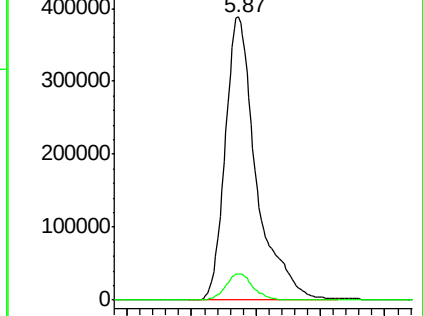
MMDadoda

10/2/2019 9:22:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.815 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

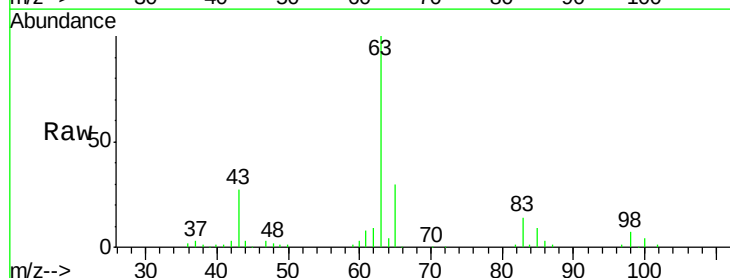
Tgt Ion: 63 Resp: 183953

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.0

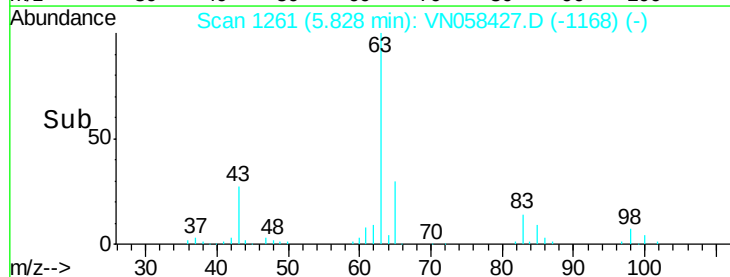
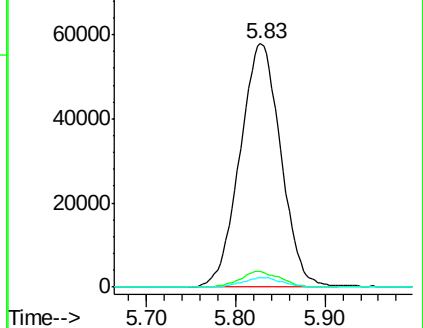
100 3.9 2.0 5.8

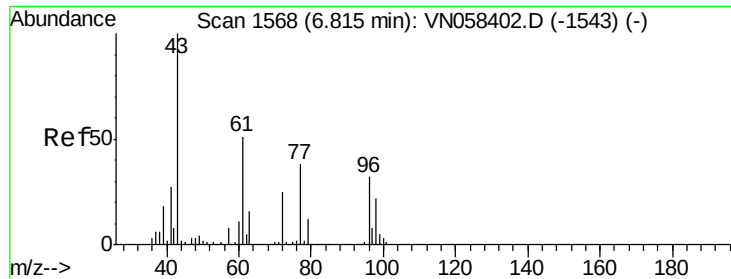


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 106.019 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 43 Resp: 308224

Ion Ratio Lower Upper

43 100

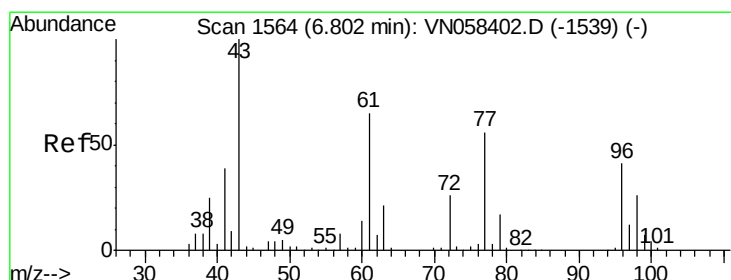
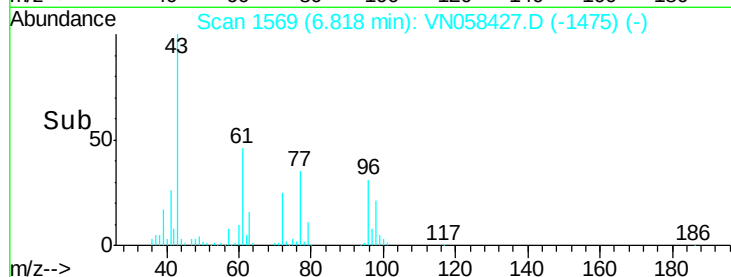
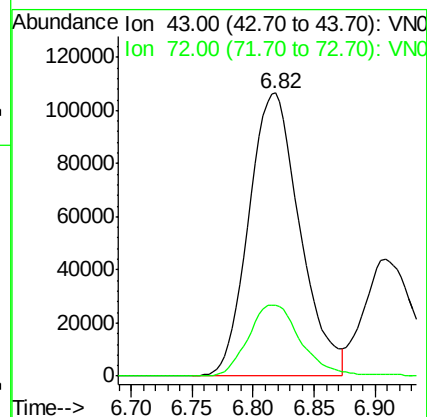
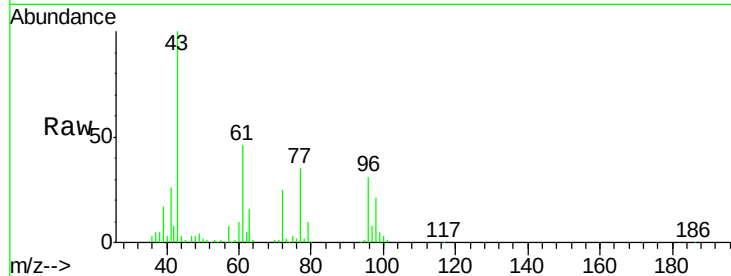
72 24.9 20.2 30.4

Manual Integrations

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MMDadoda

10/2/2019 9:22:16 AM



#26

2,2-Dichloropropane

Concen: 20.126 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058427.D

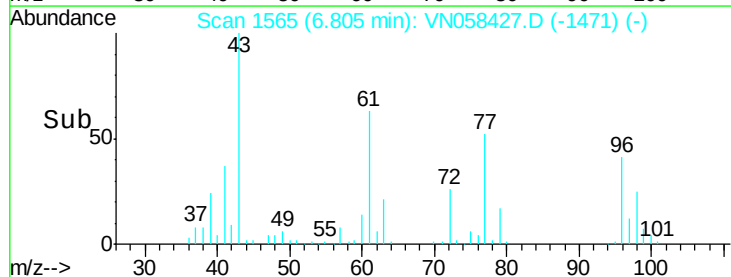
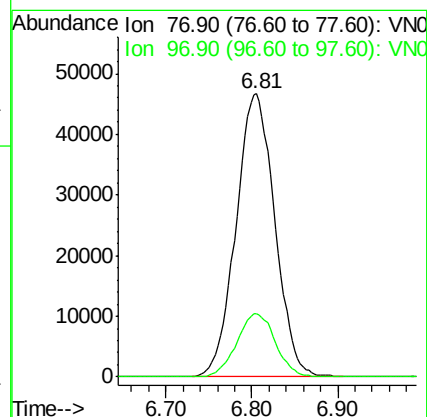
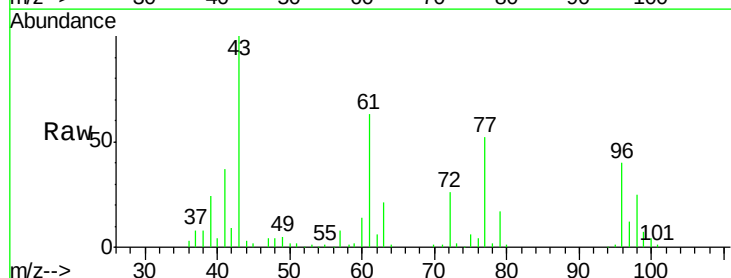
Acq: 30 Sep 2019 12:15

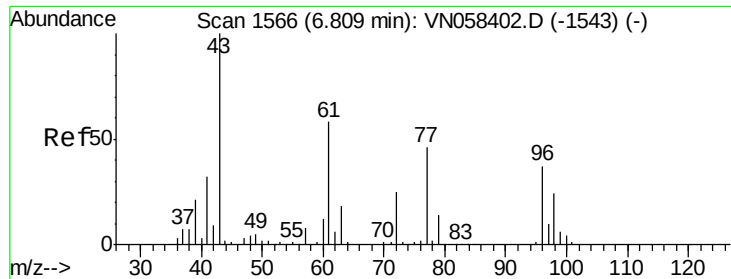
Tgt Ion: 77 Resp: 146230

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 20.522 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

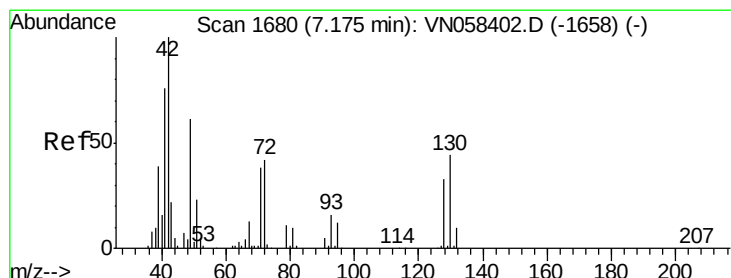
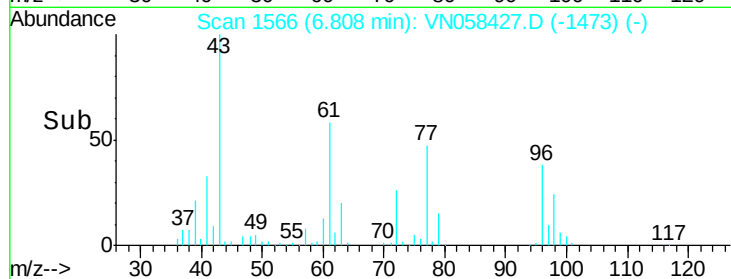
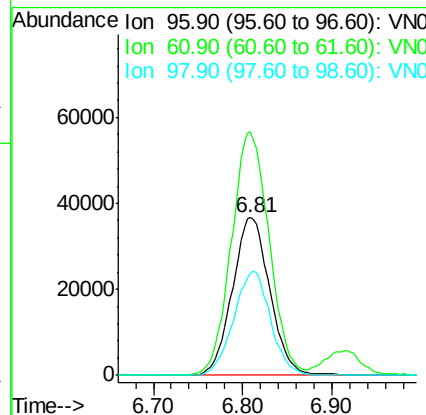
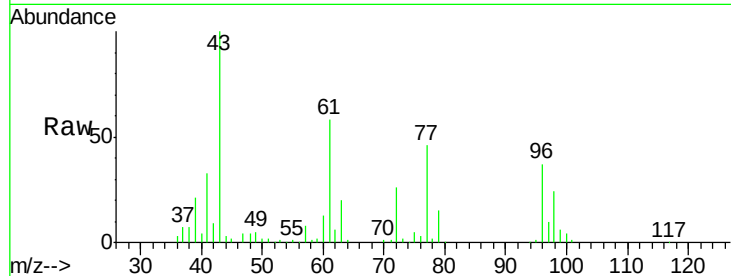
ClientSampleId :

VN0930WBS01

Tot Ion:	96	Resp:	106950
Ion Ratio	Lower	Upper	
96	100		
61	155.2	0.0	318.8
98	64.8	0.0	129.8

Manual Integrations
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10/2/2019 9:22:16 AM



#28

Bromochloromethane

Concen: 21.832 ug/l

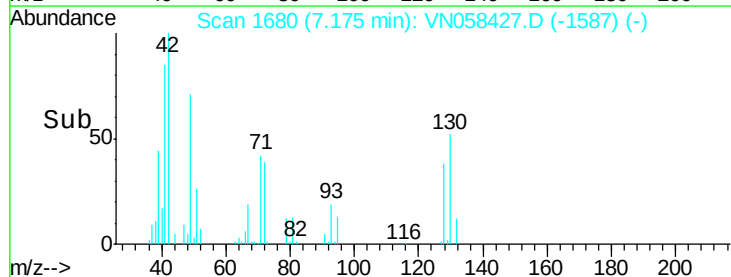
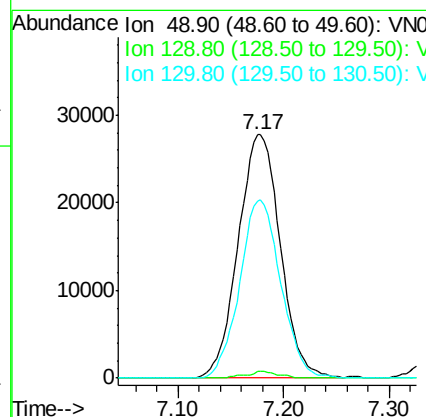
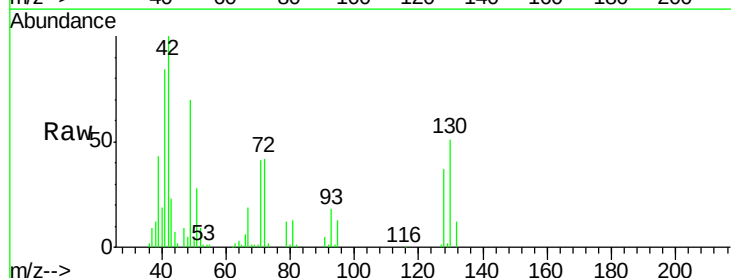
RT: 7.17 min Scan# 1680

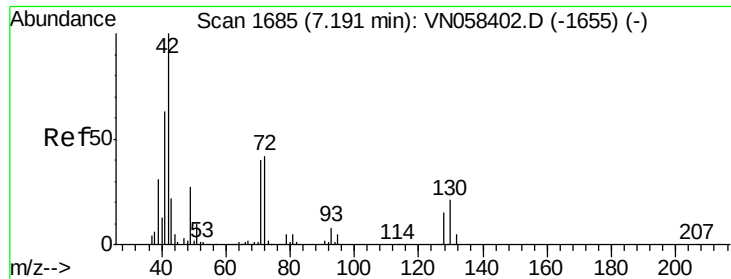
Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Tgt Ion:	49	Resp:	77126
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.4
130	71.4	56.3	84.5





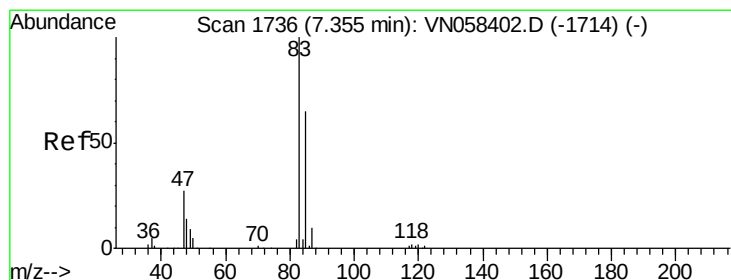
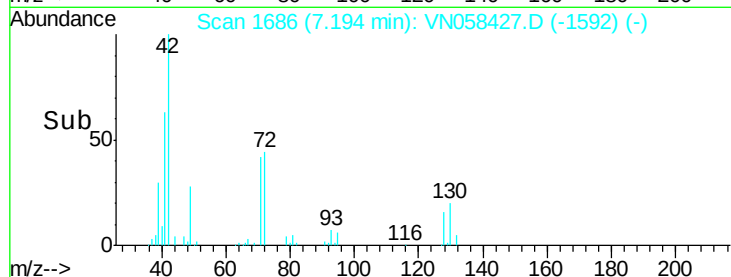
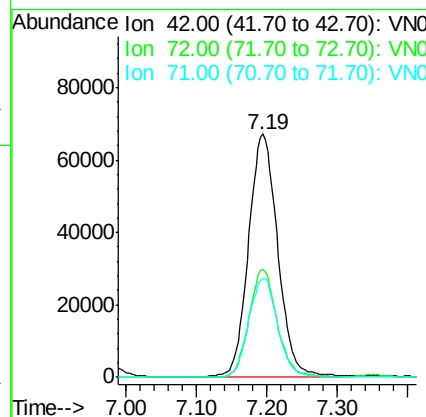
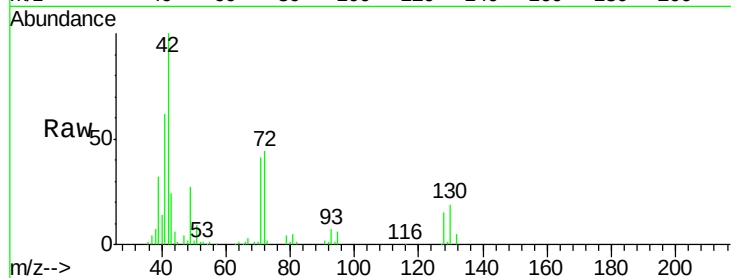
#29
Tetrahydrofuran
Concen: 105.646 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	40.0	31.8	47.6

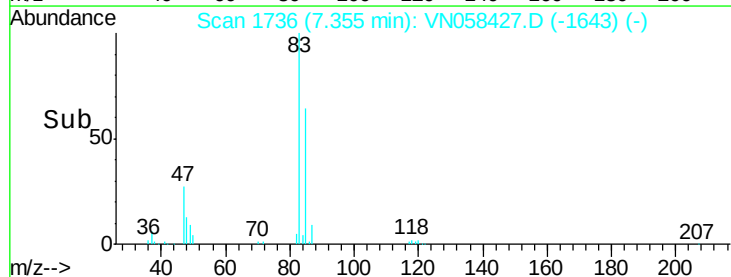
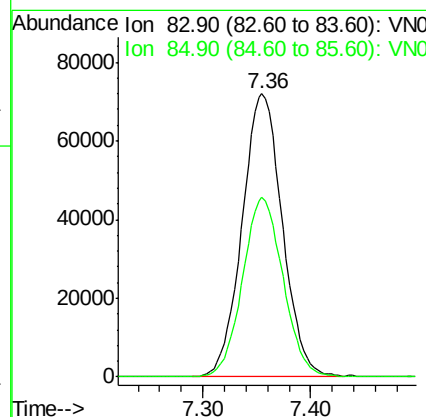
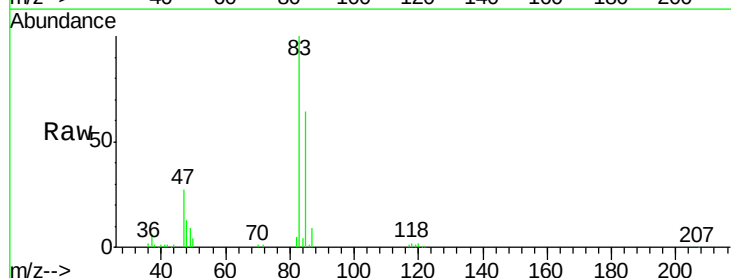
Manual Integrations
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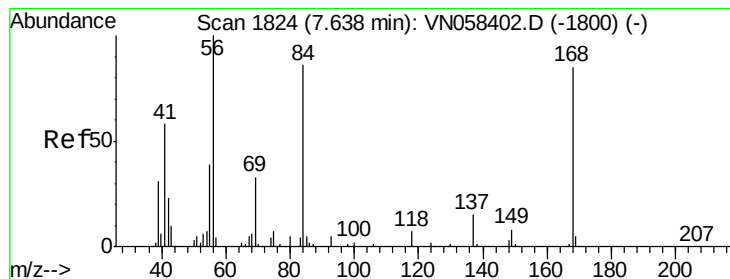
MMDadoda
10/2/2019 9:22:16 AM



#30
Chloroform
Concen: 20.847 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.0	78.0





#31

Cyclohexane

Concen: 20.598 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 56 Resp: 177072

Ion Ratio Lower Upper

56 100

69 34.9 26.2 39.4

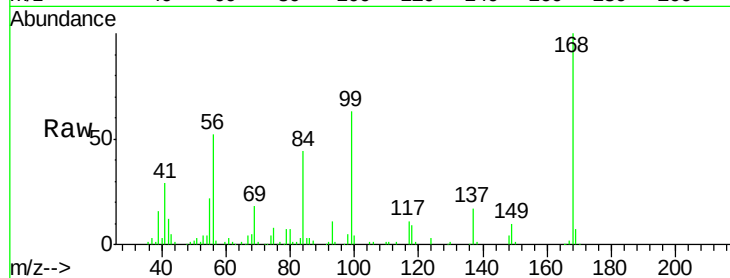
84 83.1 67.6 101.4

Manual Integrations

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MMDadoda

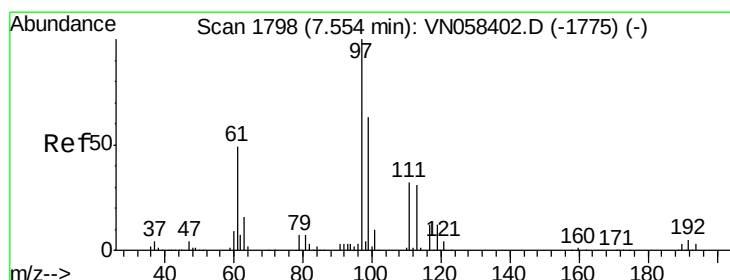
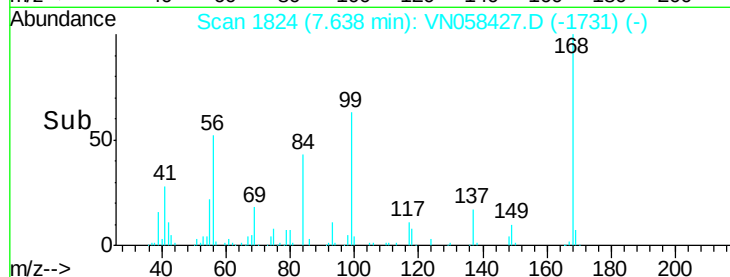
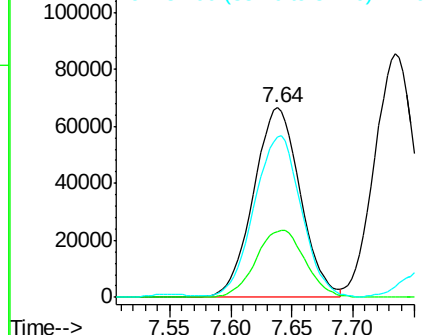
10/2/2019 9:22:16 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.398 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

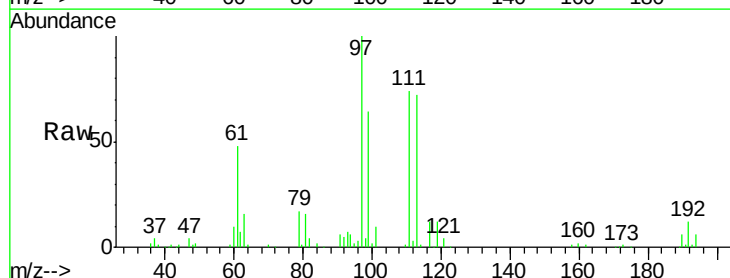
Tgt Ion: 97 Resp: 157362

Ion Ratio Lower Upper

97 100

99 63.6 51.1 76.7

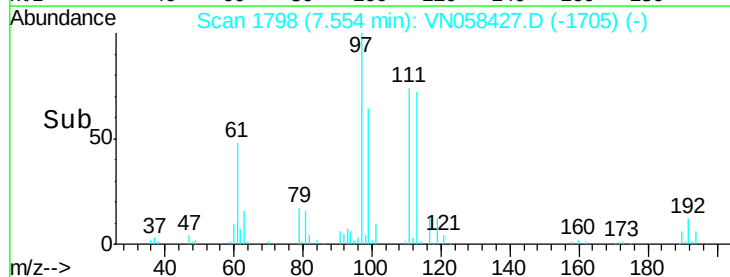
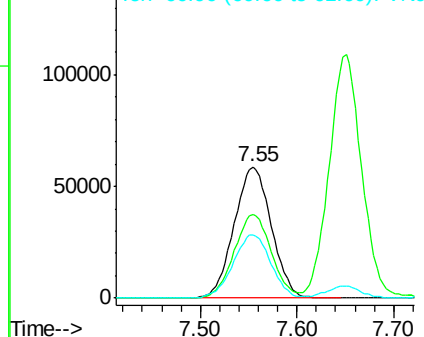
61 48.7 39.2 58.8

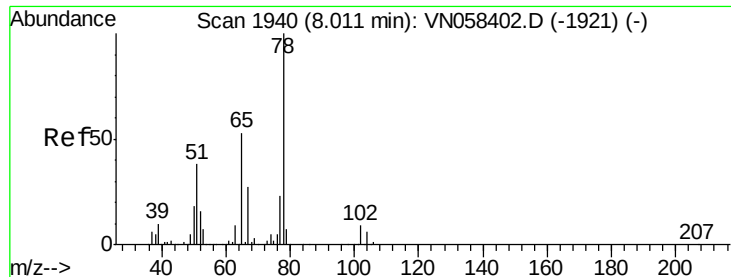


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





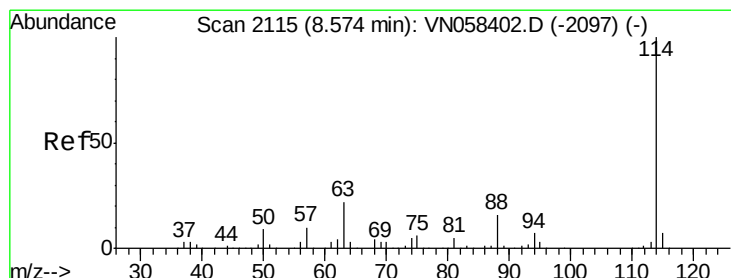
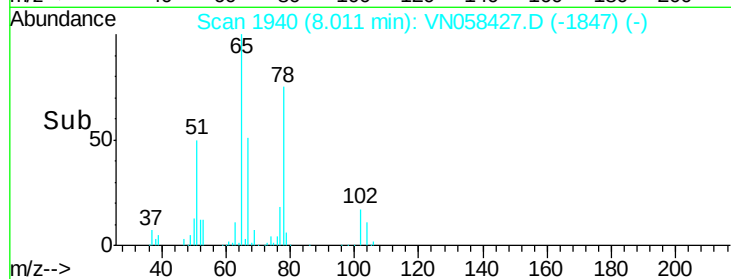
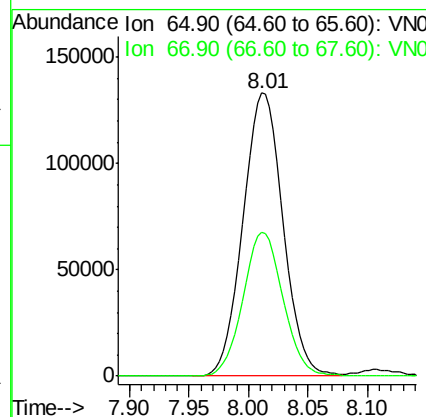
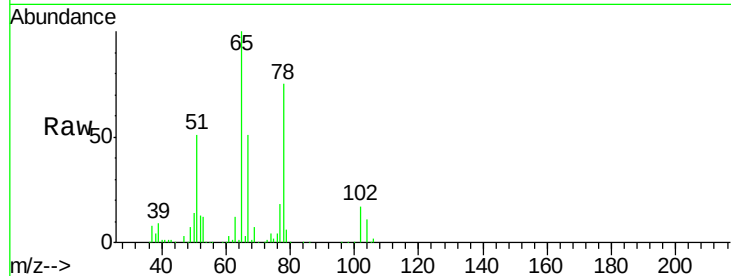
#33
 1,2-Dichloroethane-d4
 Concen: 49.978 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	310444		
67	50.8	0.0	102.4	

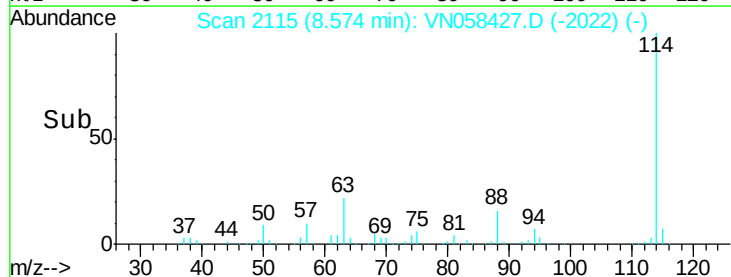
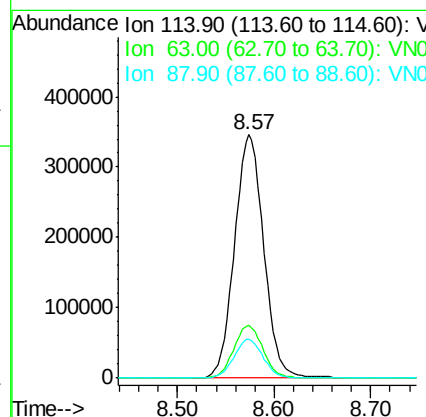
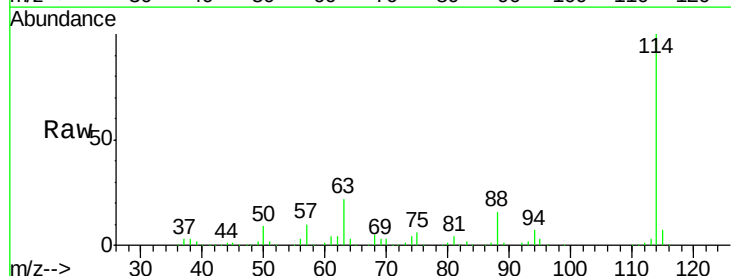
Manual Integrations
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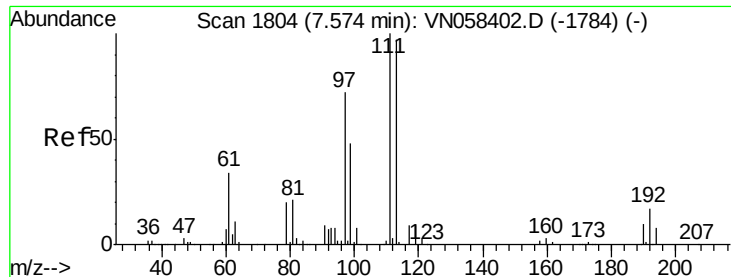
MMDadoda
 10/2/2019 9:22:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	725538		
63	21.7	0.0	45.0	
88	15.9	0.0	32.2	





#35

Dibromofluoromethane

Concen: 50.216 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

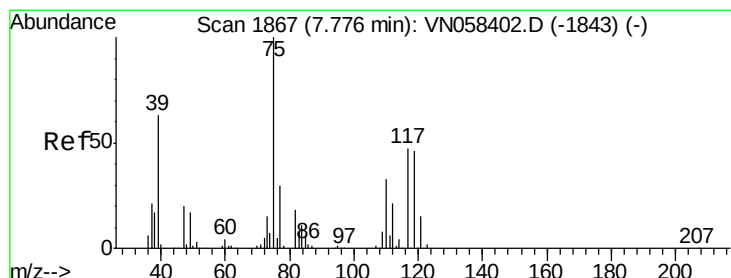
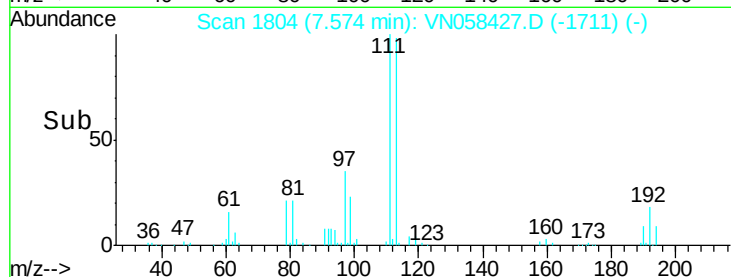
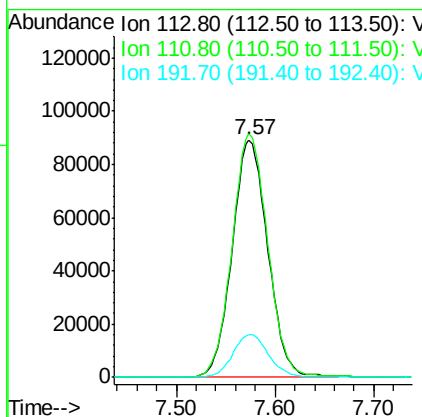
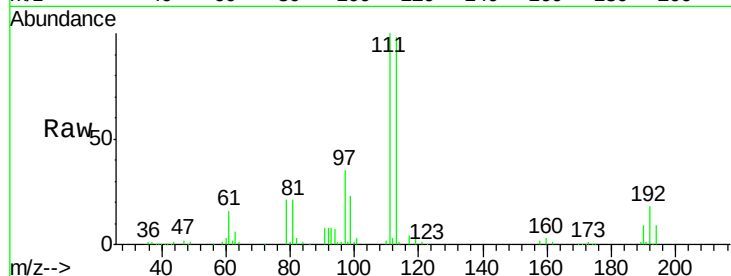
ClientSampleId :

VN0930WBS01

Tot Ion:	113	Resp:	223300
Ion Ratio	Lower	Upper	
113	100		
111	102.7	83.4	125.2
192	18.1	14.9	22.3

Manual Integrations
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10/2/2019 9:22:16 AM



#36

1,1-Dichloropropene

Concen: 20.097 ug/l

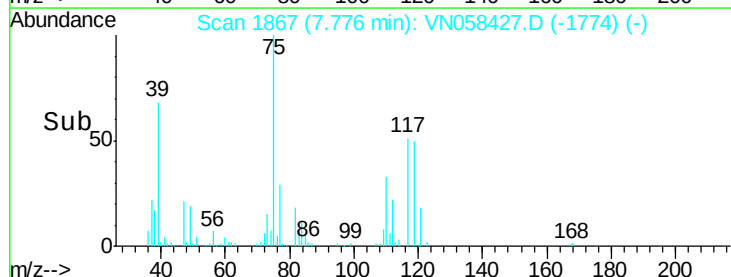
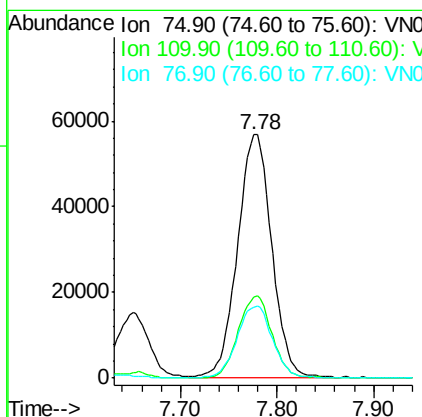
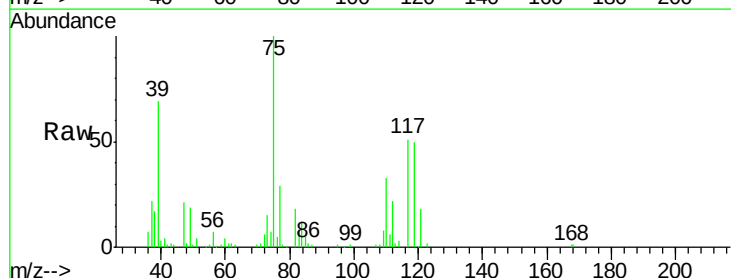
RT: 7.78 min Scan# 1867

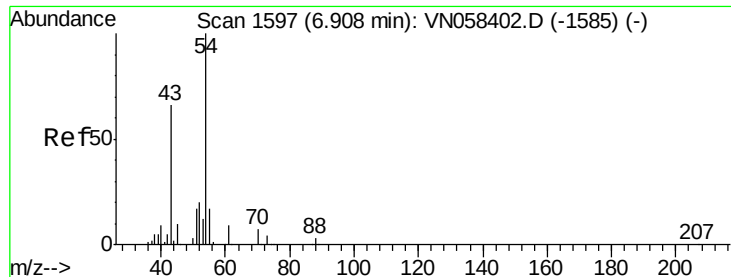
Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Tgt Ion:	75	Resp:	139425
Ion Ratio	Lower	Upper	
75	100		
110	33.3	16.4	49.2
77	30.9	24.3	36.5





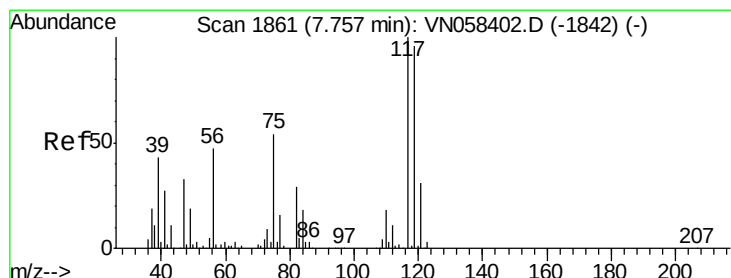
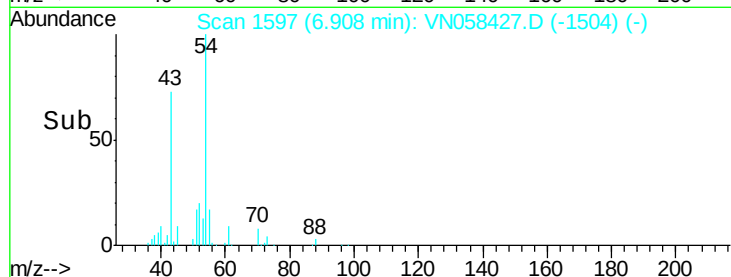
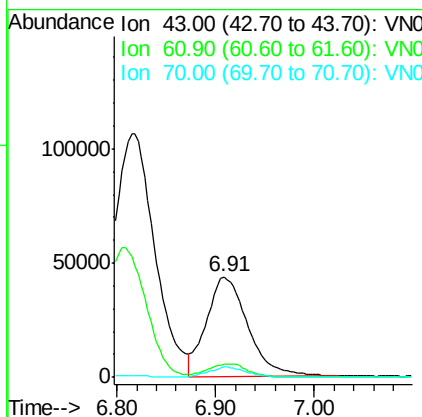
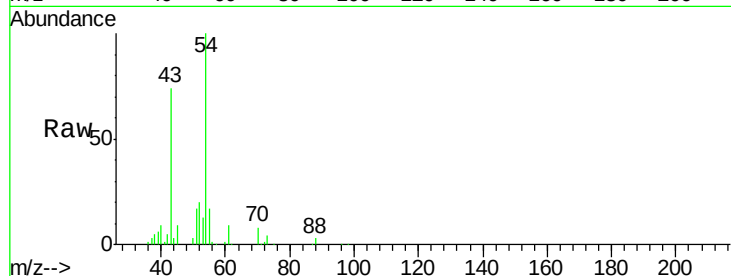
#37
Ethyl Acetate
Concen: 21.652 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.6	7.8	11.6

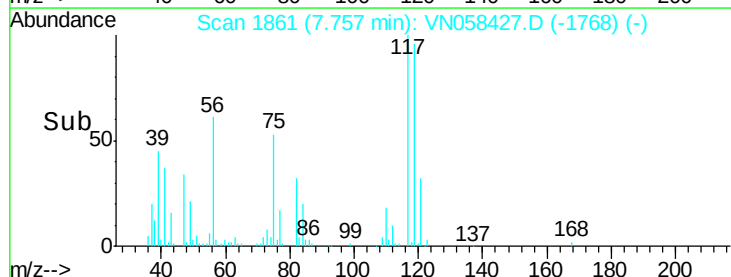
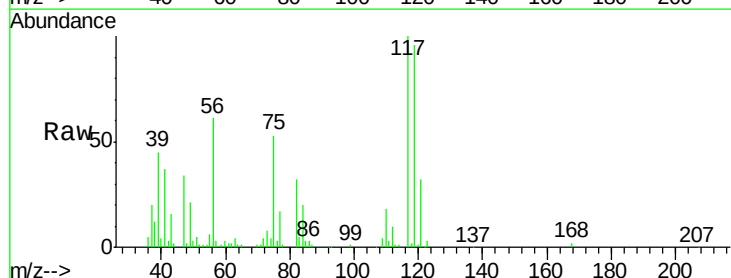
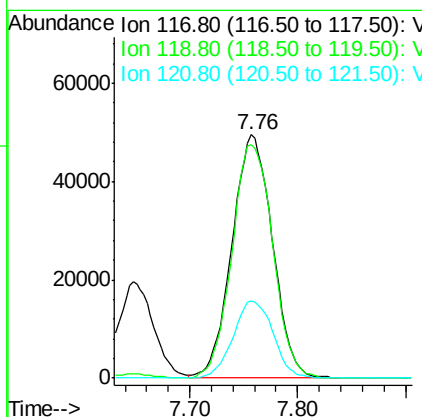
Manual Integrations
APPROVED

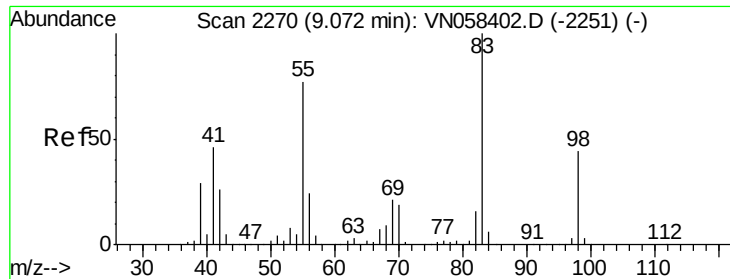
MMDadoda
10/2/2019 9:22:16 AM



#38
Carbon Tetrachloride
Concen: 20.650 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	115.0
121	31.7	24.7	37.1





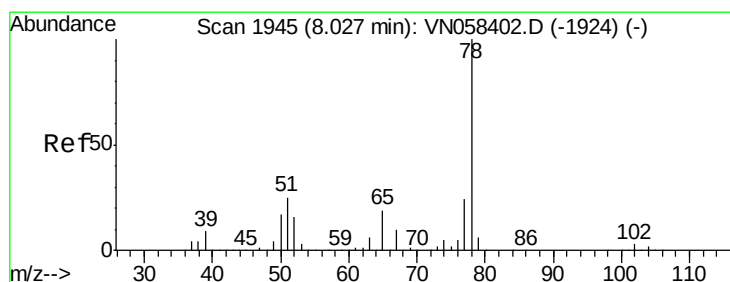
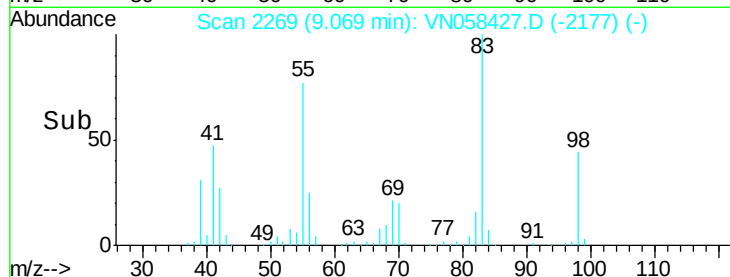
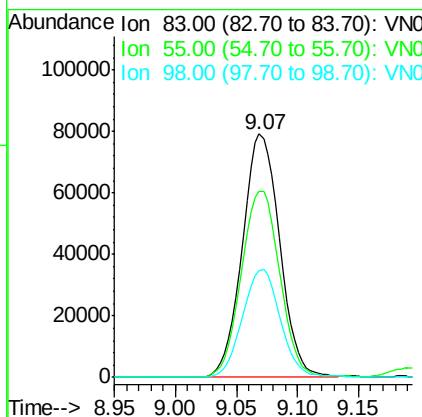
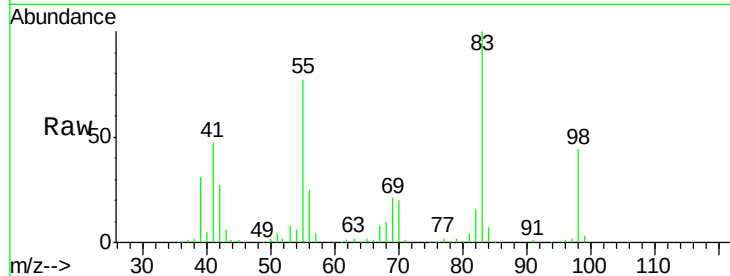
#39
Methylvlcyclohexane
Concen: 20.669 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	167455		
55	76.6		61.8	92.6
98	44.0		35.4	53.0

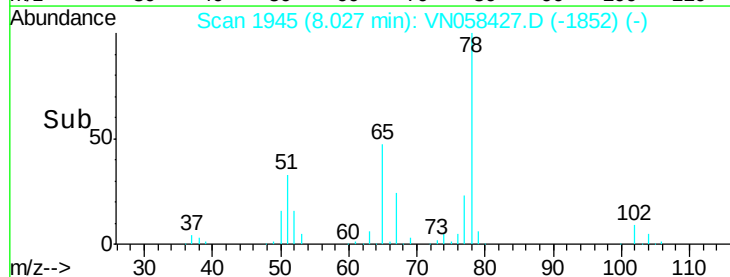
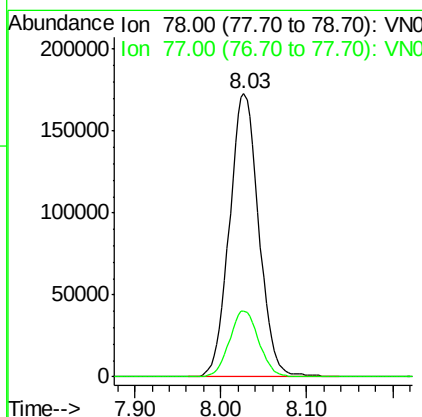
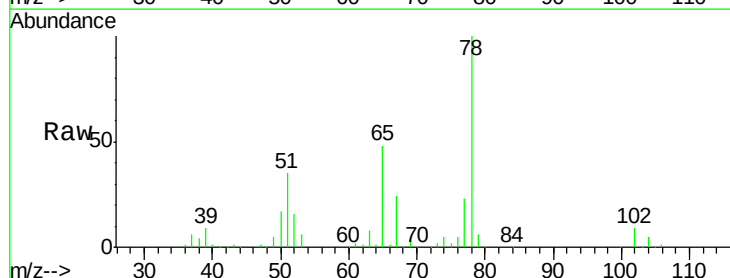
Manual Integrations
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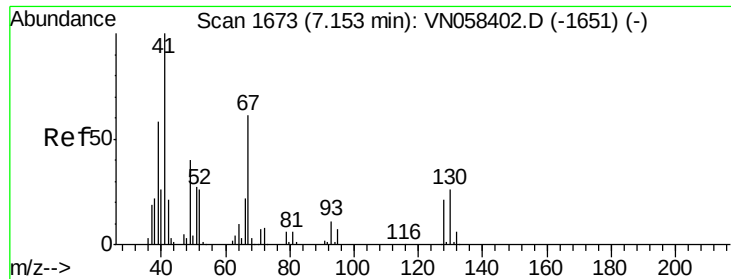
MMDadoda
10/2/2019 9:22:16 AM



#40
Benzene
Concen: 20.533 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	409470		
77	23.3		18.9	28.3





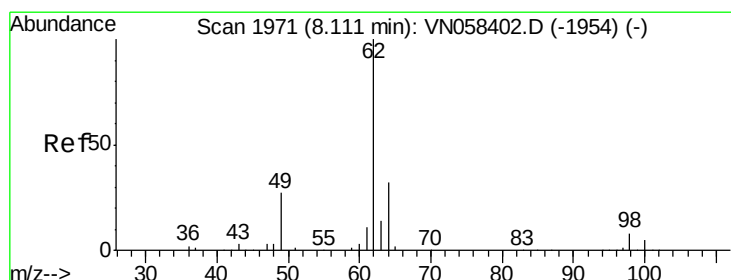
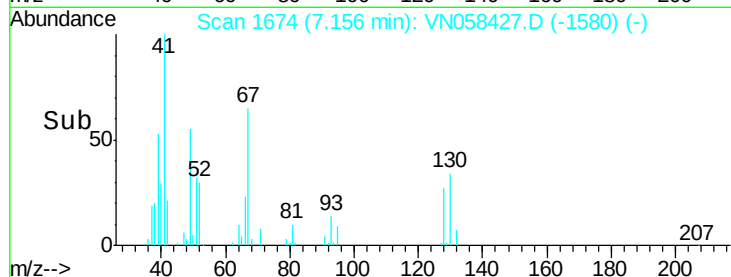
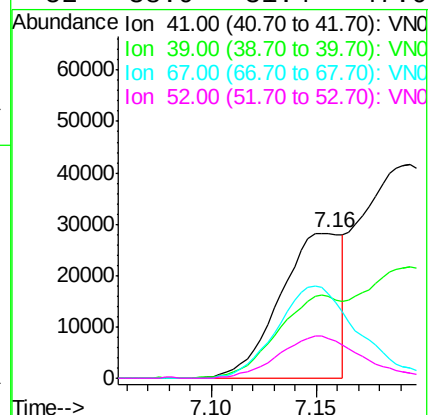
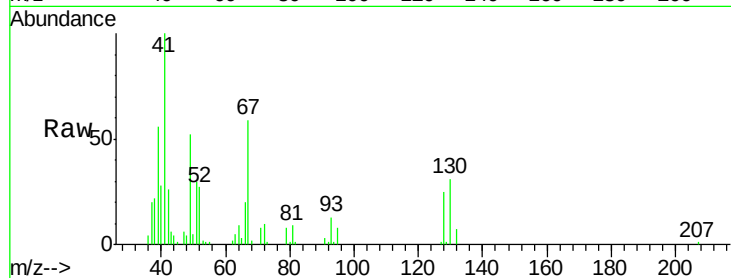
#41
Methacrylonitrile
Concen: 21.210 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00	100		
39	39.00	58.0	50.2	75.4
67	67.00	83.9	70.2	105.4
52	52.00	38.9	31.4	47.0

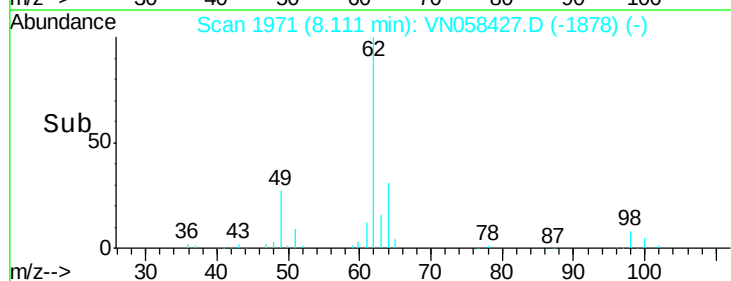
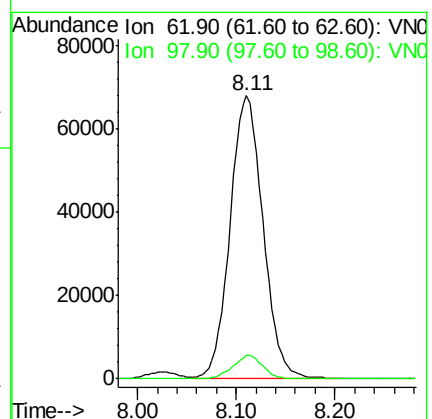
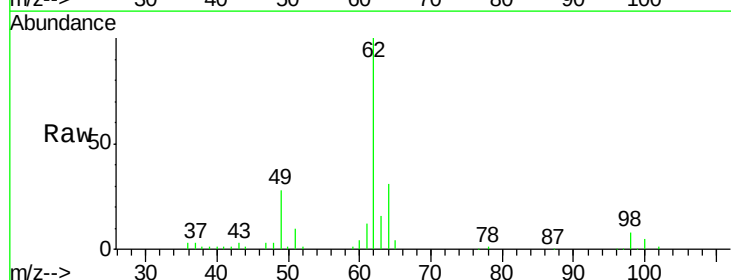
Manual Integrations
APPROVED

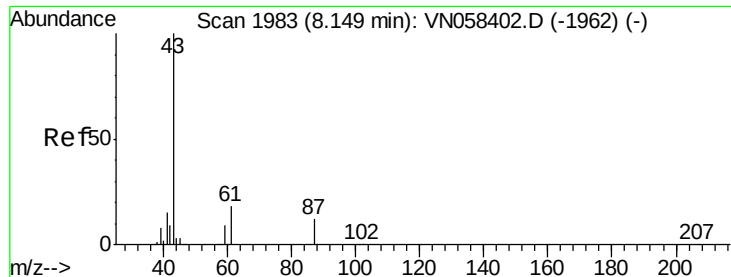
MMDadoda
10/2/2019 9:22:16 AM



#42
1,2-Dichloroethane
Concen: 20.304 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00	100		
98	98.00	7.5	0.0	15.6





#43

Isopropyl Acetate

Concen: 19.085 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

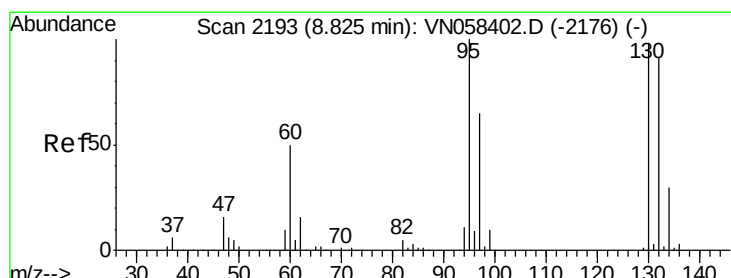
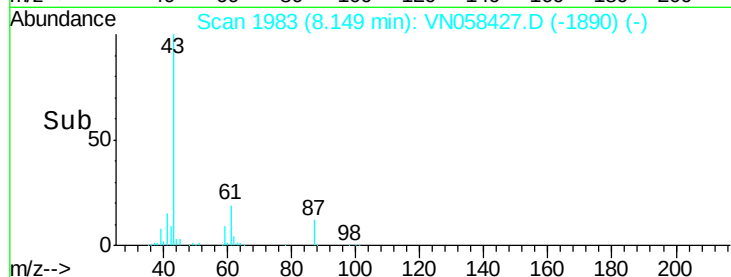
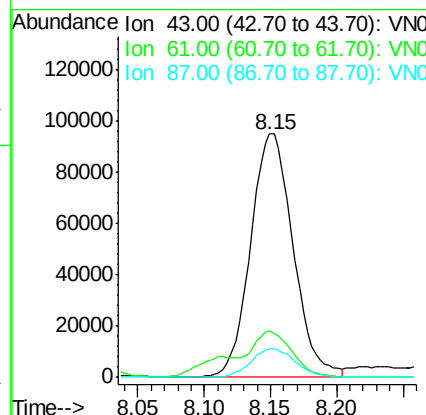
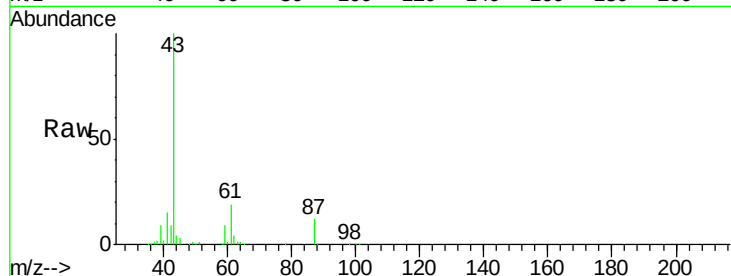
ClientSampleId :

VN0930WBS01

Tot Ion:	43	Resp:	211093
Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.8	22.2
87	12.4	9.7	14.5

Manual Integrations
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10/2/2019 9:22:16 AM



#44

Trichloroethene

Concen: 20.371 ug/l

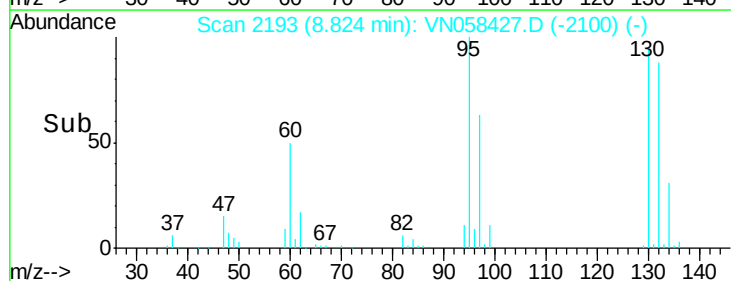
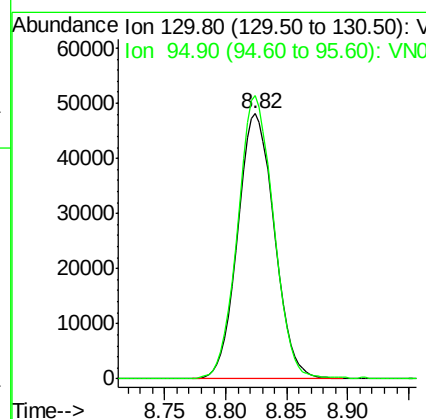
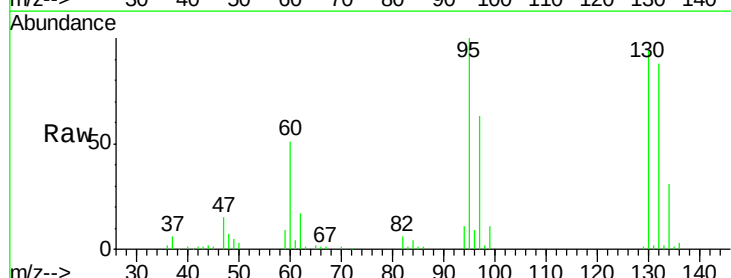
RT: 8.82 min Scan# 2193

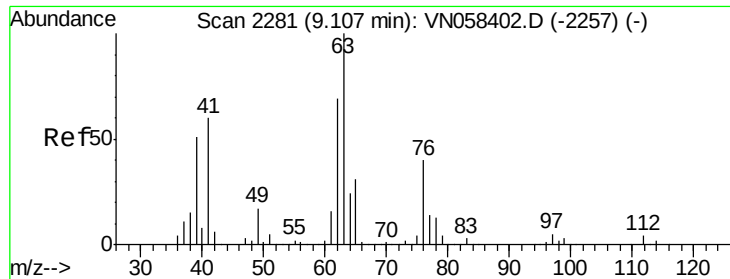
Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Tgt Ion:	130	Resp:	100308
Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	204.2





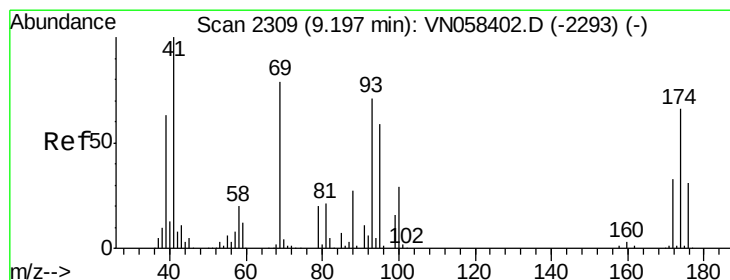
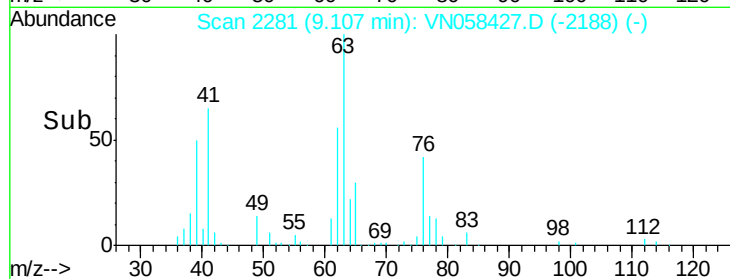
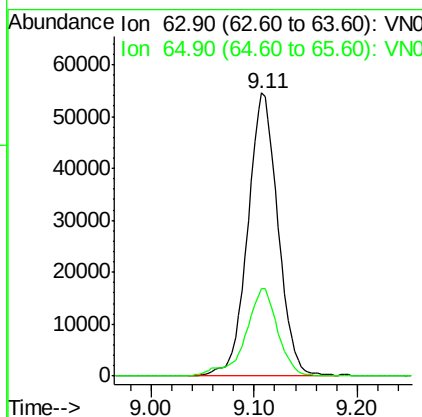
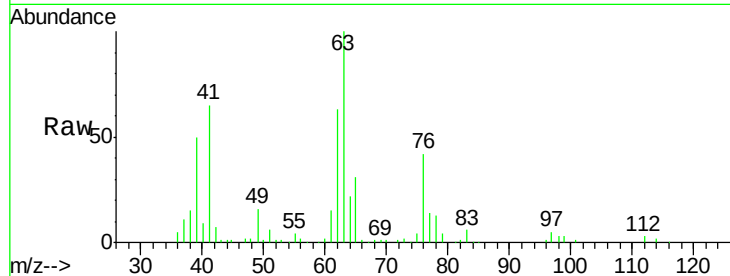
#45
 1,2-Dichloropropane
 Concen: 20.728 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion: 63 Resp: 110859
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4

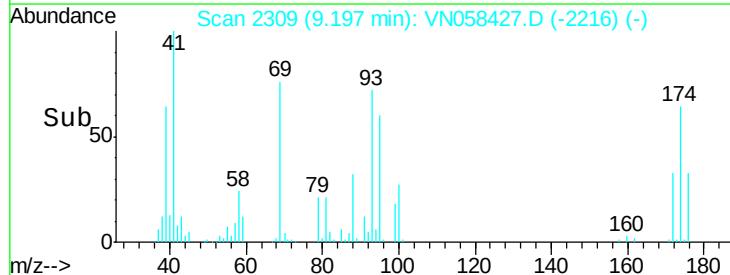
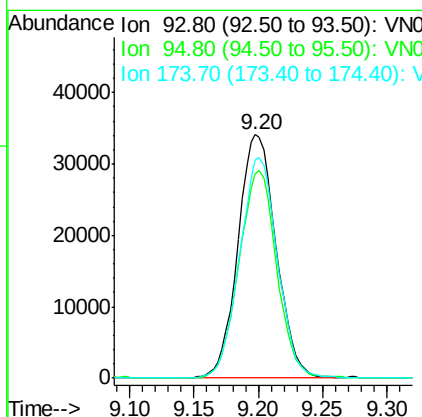
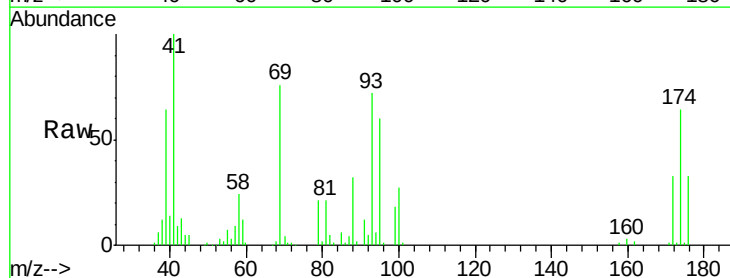
Manual Integrations
 APPROVED

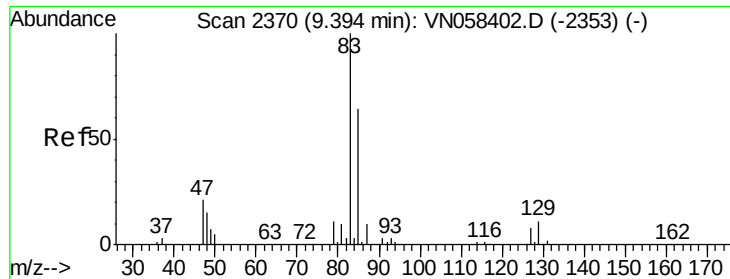
MMDadoda
 10/2/2019 9:22:16 AM



#46
 Dibromomethane
 Concen: 20.713 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion: 93 Resp: 70155
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.0 100.4
 174 90.1 74.2 111.2





#47

Bromodichloromethane

Concen: 21.317 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

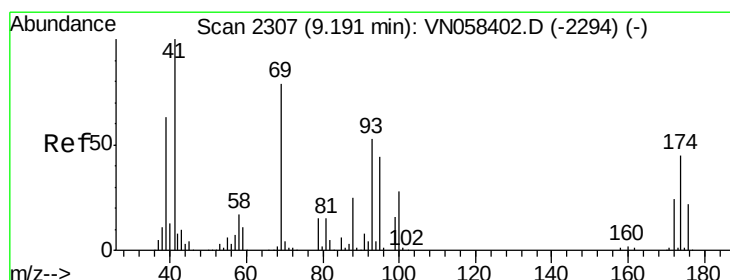
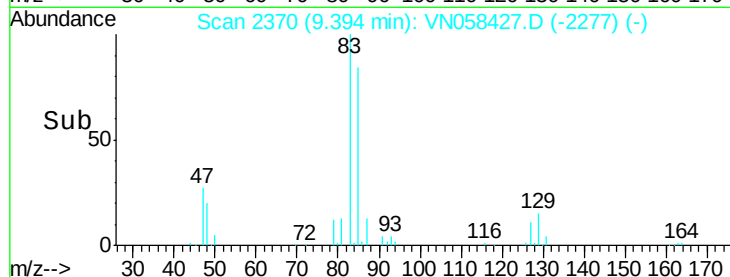
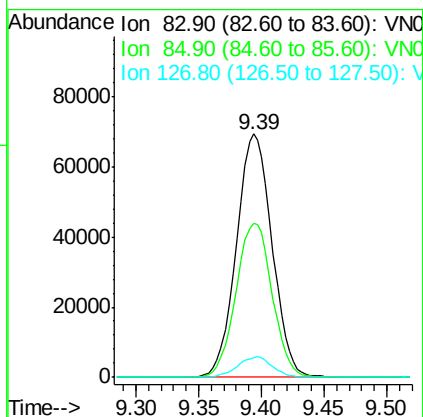
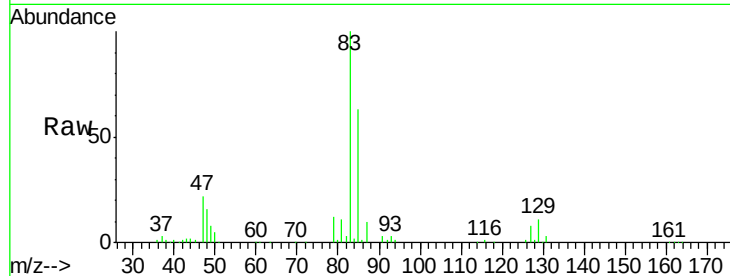
ClientSampleId :

VN0930WBS01

Tot Ion:	83	Resp:	136794
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.2	76.8
127	8.3	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:16 AM



#48

Methyl methacrylate

Concen: 19.903 ug/l

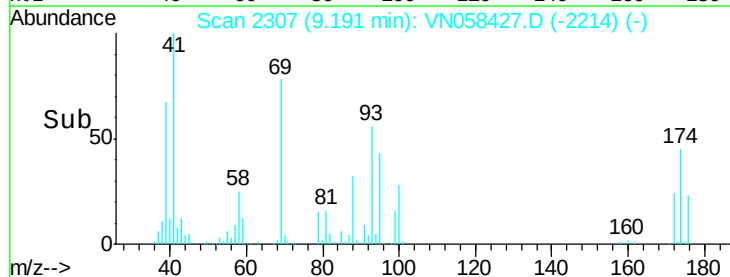
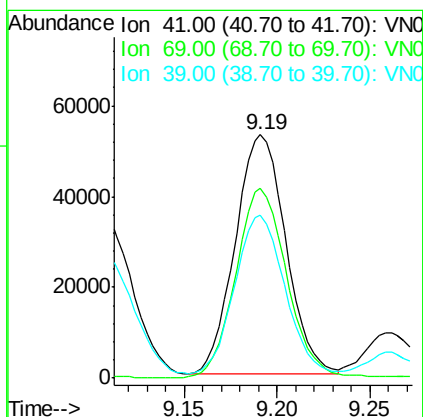
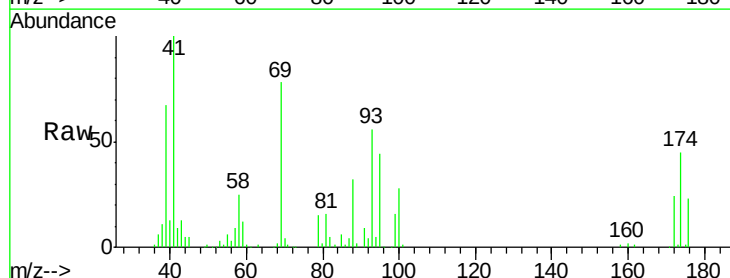
RT: 9.19 min Scan# 2307

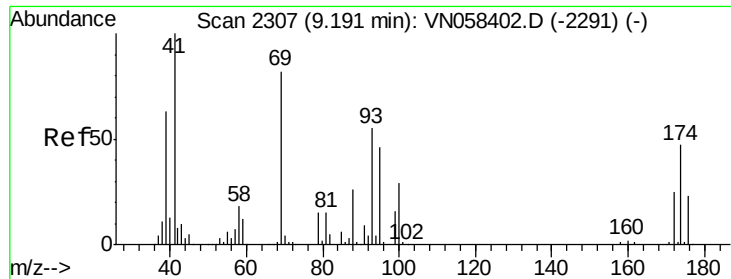
Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Tgt Ion:	41	Resp:	100240
Ion Ratio	Lower	Upper	
41	100		
69	81.3	64.7	97.1
39	68.9	52.9	79.3





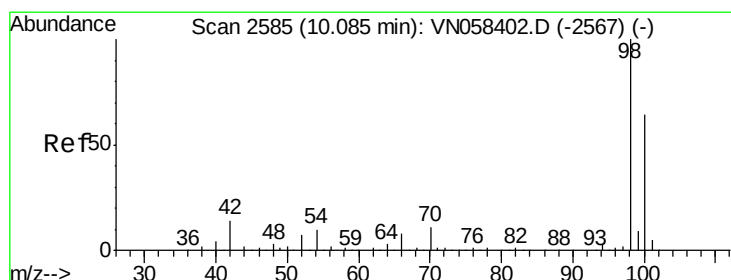
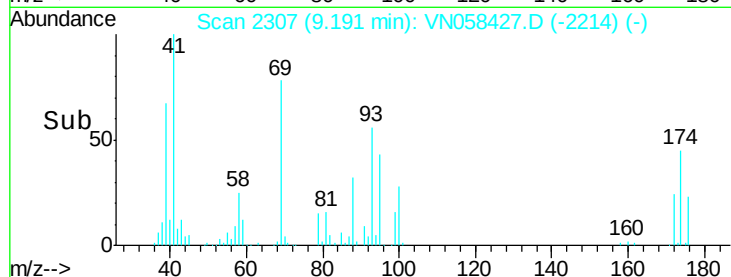
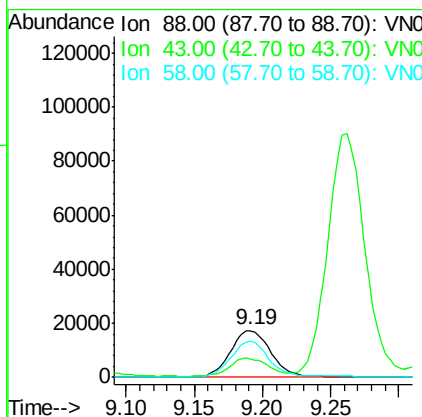
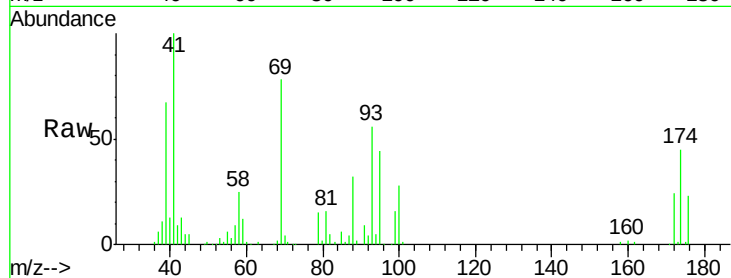
#49
 1,4-Dioxane
 Concen: 531.126 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	31.1	46.7
58	72.4	58.1	87.1

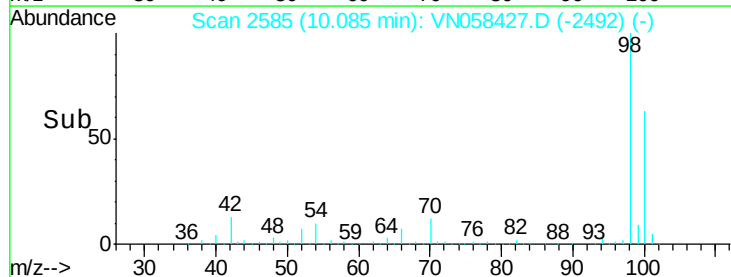
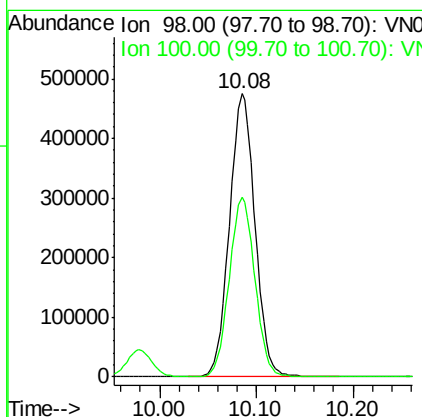
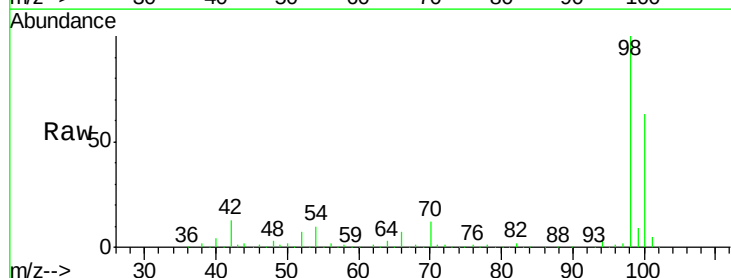
Manual Integrations
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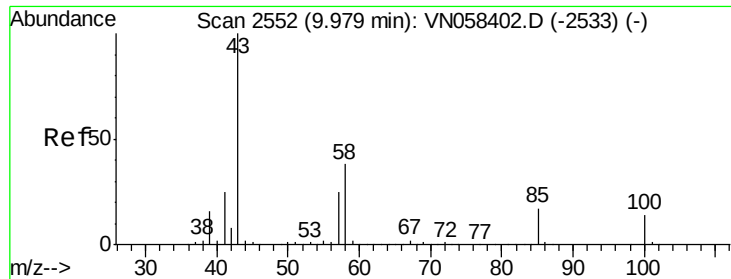
MMDadoda
 10/2/2019 9:22:16 AM



#50
 Toluene-d8
 Concen: 50.016 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 111.175 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 43 Resp: 631639

Ion Ratio Lower Upper

43 100

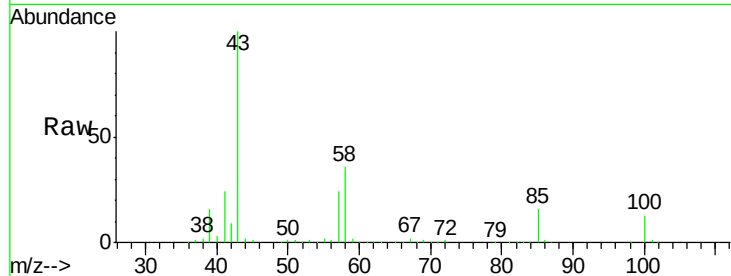
58 36.7 30.2 45.2

Manual Integrations

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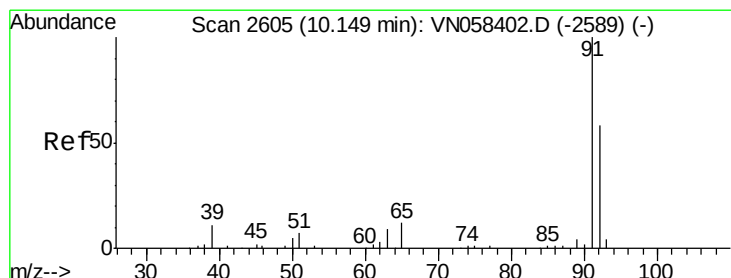
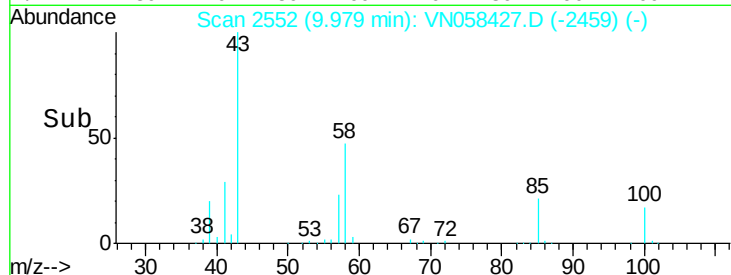
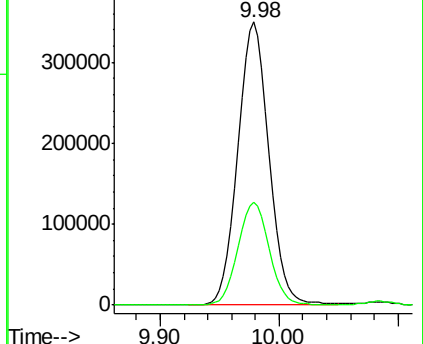
MMDadoda

10/2/2019 9:22:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.913 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058427.D

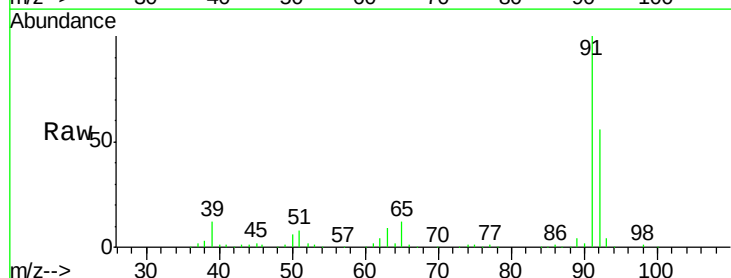
Acq: 30 Sep 2019 12:15

Tgt Ion: 92 Resp: 249951

Ion Ratio Lower Upper

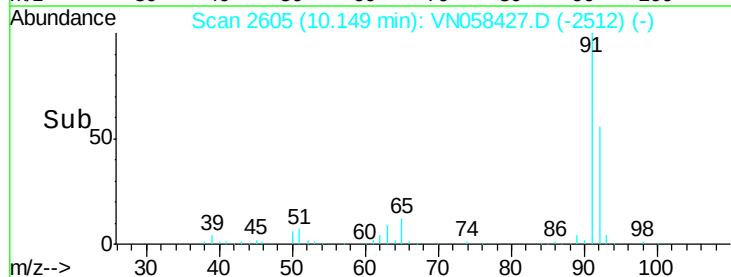
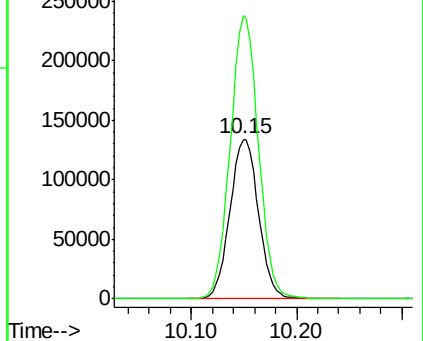
92 100

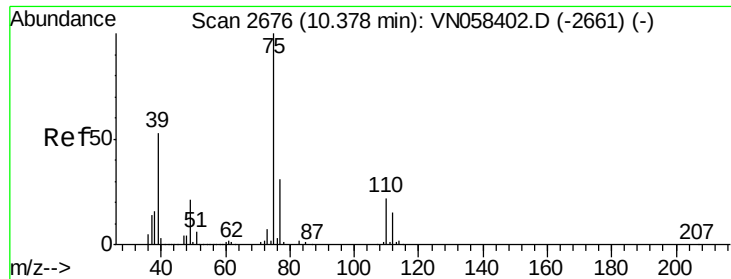
91 175.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





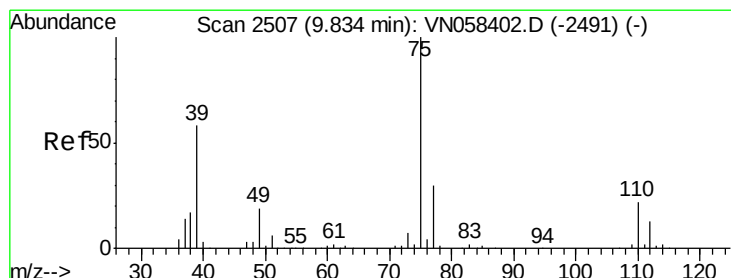
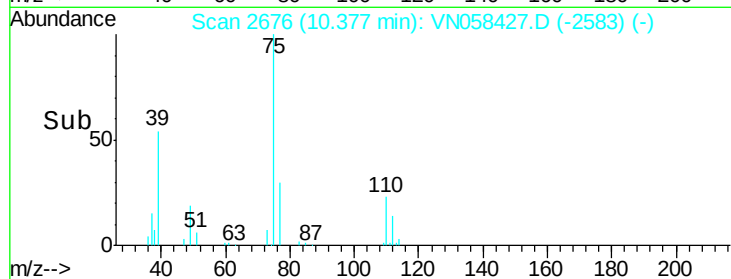
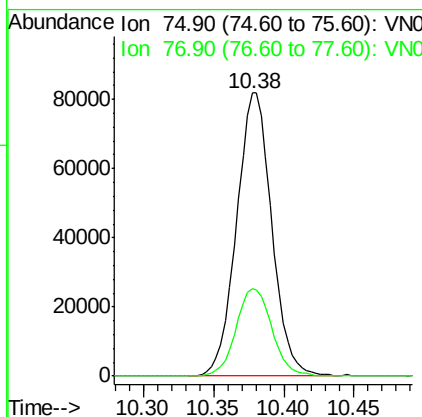
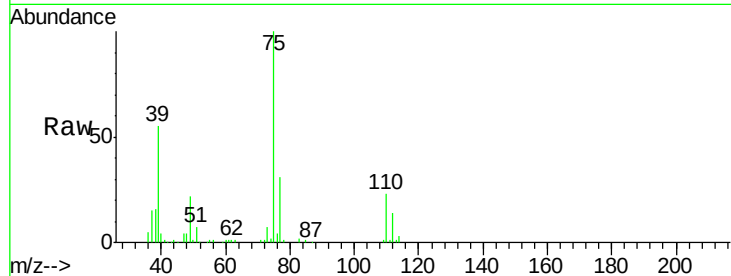
#53
t-1,3-Dichloropropene
Concen: 20.493 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	75	Resp	143139
Ion Ratio	Lower	Upper	
75	100		
77	30.8	25.2	37.8

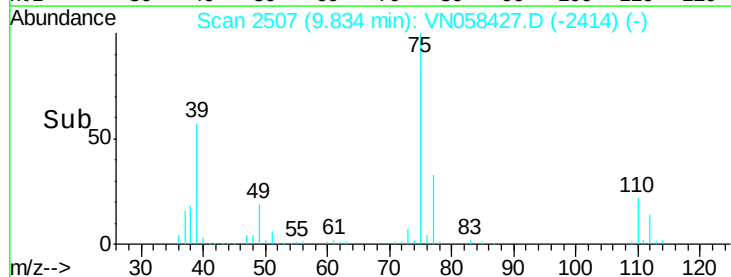
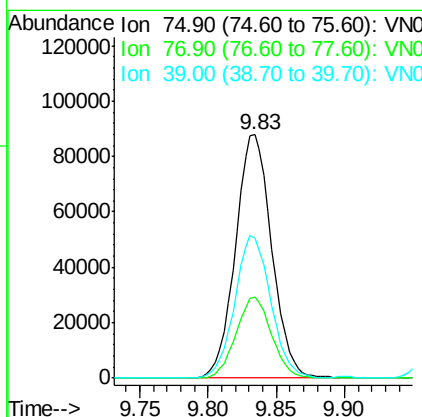
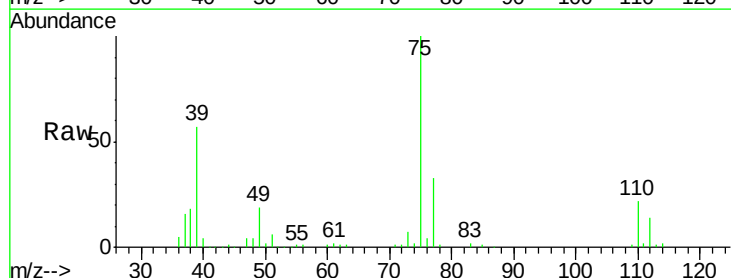
Manual Integrations
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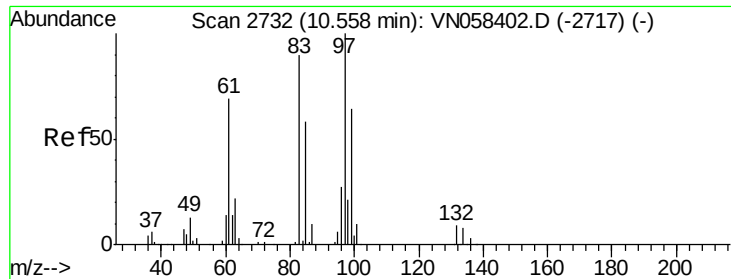
MMDadoda
10/2/2019 9:22:16 AM



#54
cis-1,3-Dichloropropene
Concen: 20.900 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	75	Resp	162044
Ion Ratio	Lower	Upper	
75	100		
77	33.3	24.2	36.4
39	57.1	46.4	69.6





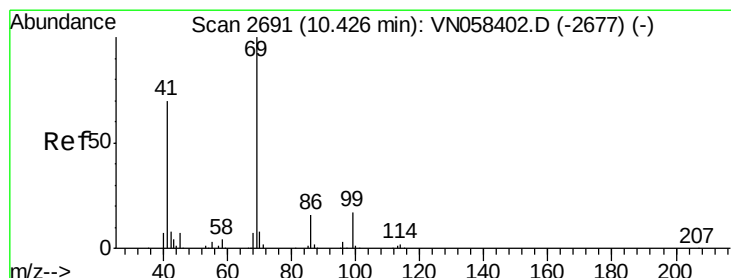
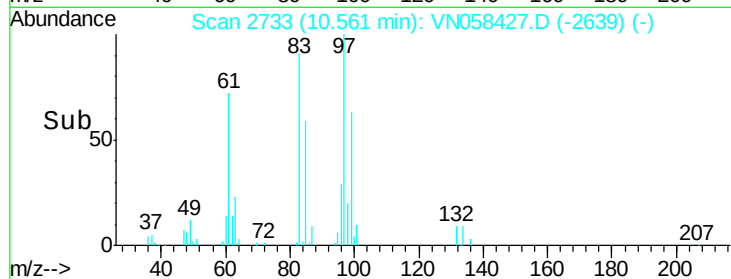
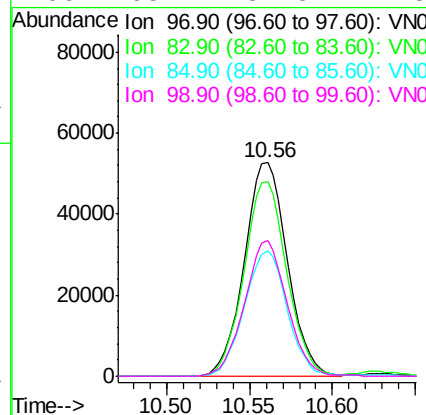
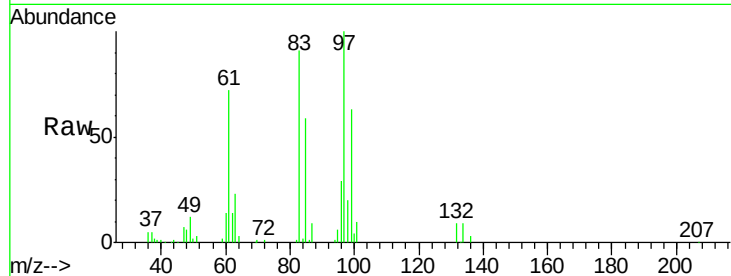
#55
 1,1,2-Trichloroethane
 Concen: 20.909 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	97	Resp	95561
Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.8	107.6
85	58.7	46.6	69.8
99	63.4	51.5	77.3

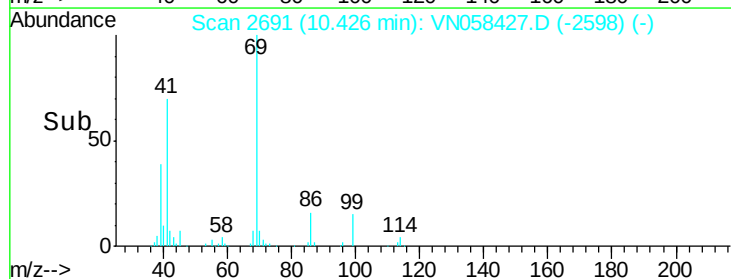
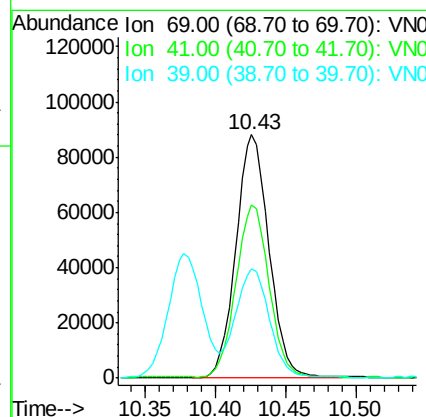
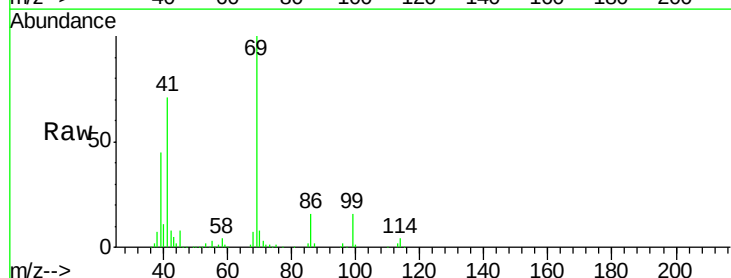
Manual Integrations
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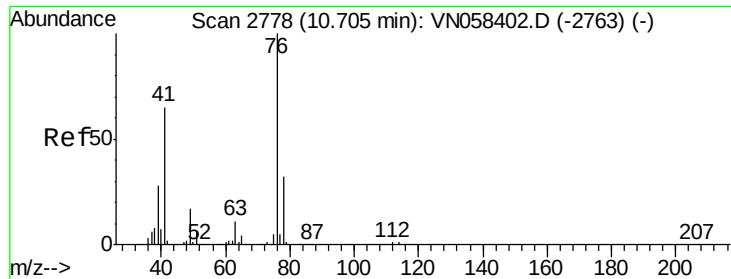
MMDadoda
 10/2/2019 9:22:16 AM



#56
 Ethyl methacrylate
 Concen: 20.939 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	69	Resp	145217
Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.3	84.5
39	45.4	35.8	53.6





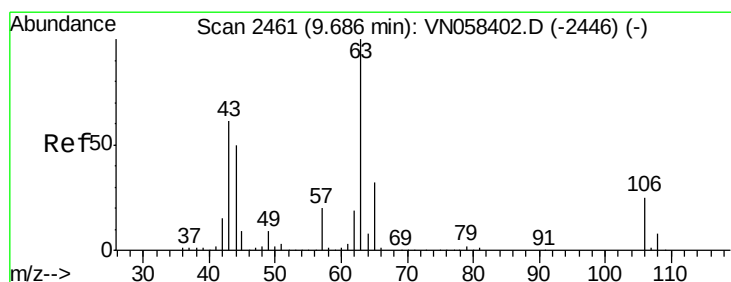
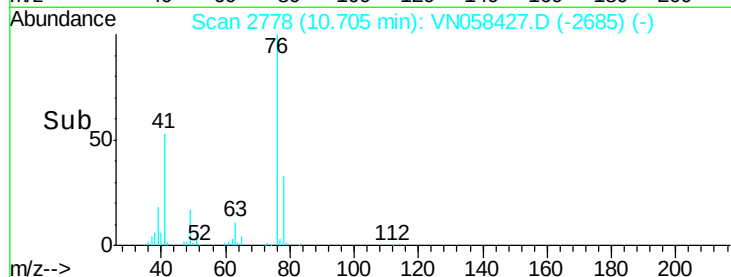
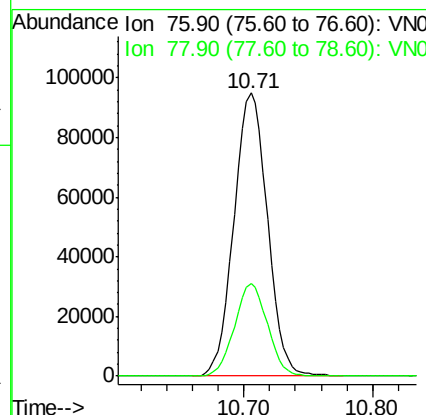
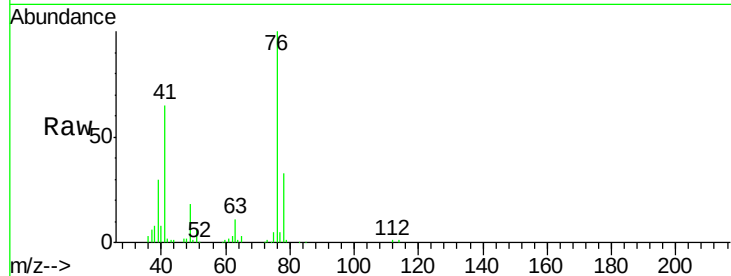
#57
 1,3-Dichloropropane
 Concen: 21.024 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.7	38.5

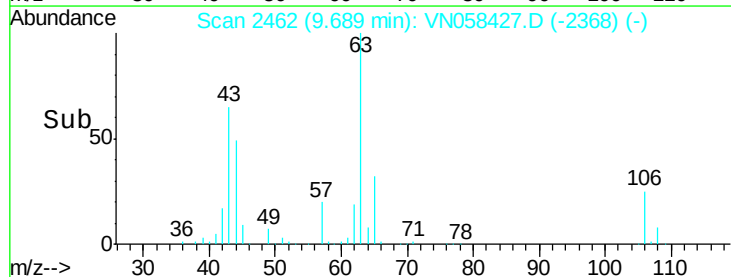
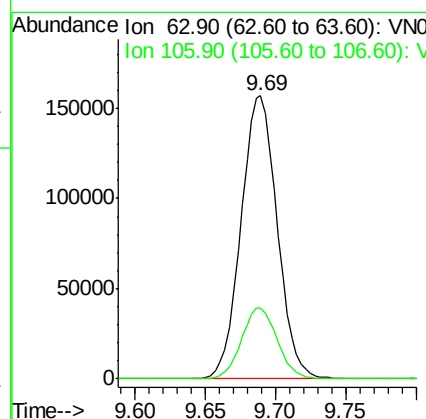
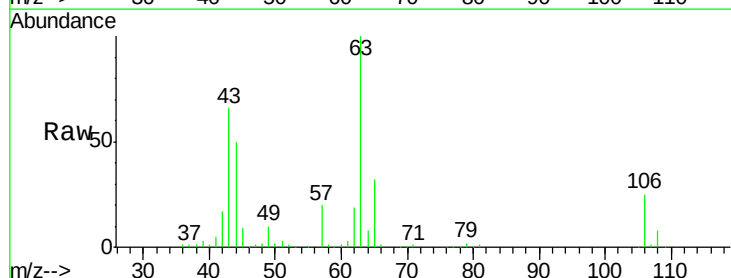
Manual Integrations
 APPROVED

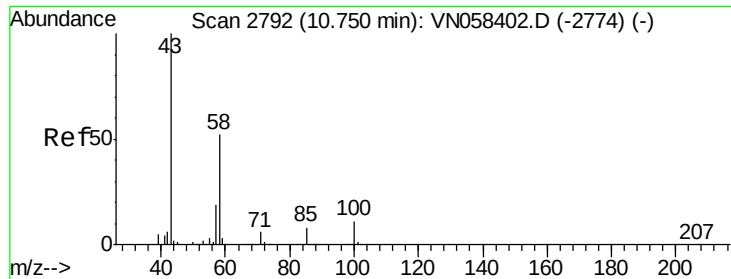
MMDadoda
 10/2/2019 9:22:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.067 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	20.3	30.5





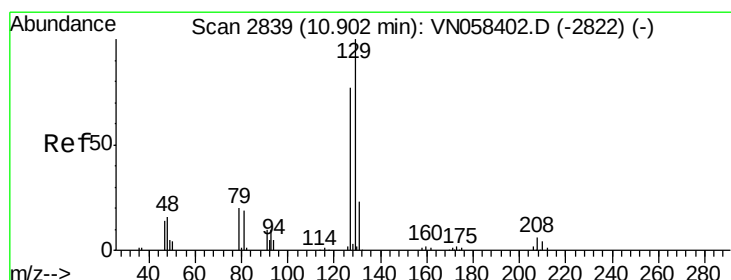
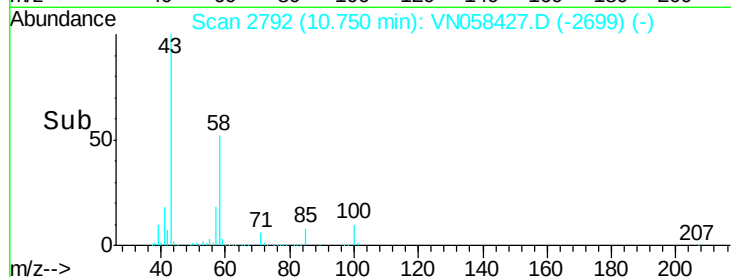
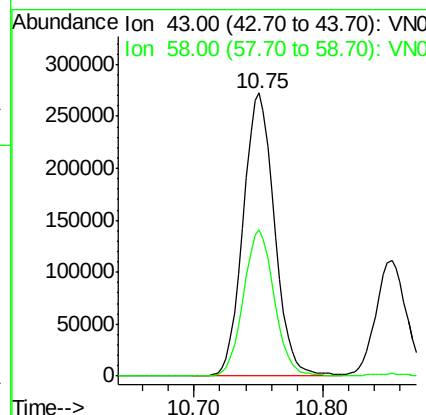
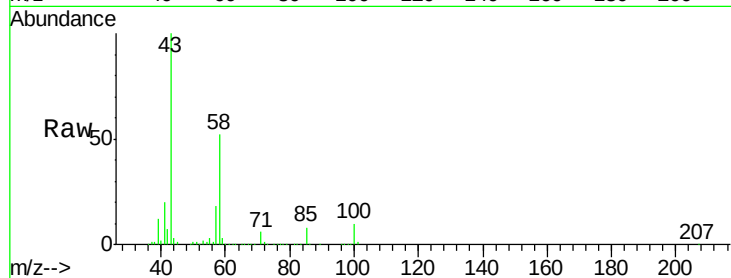
#59
2-Hexanone
Concen: 111.054 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	43	Resp	459426
Ion Ratio	100	Lower	Upper
43	100		
58	51.1	25.8	77.3

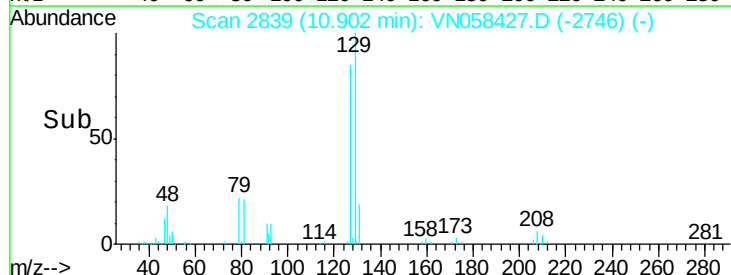
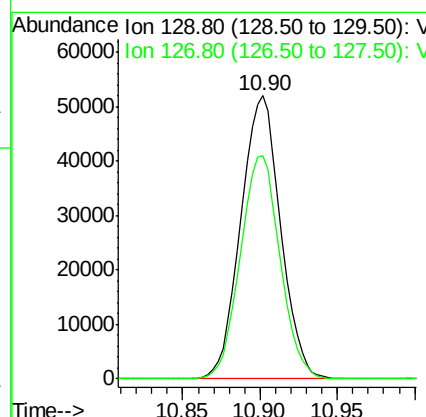
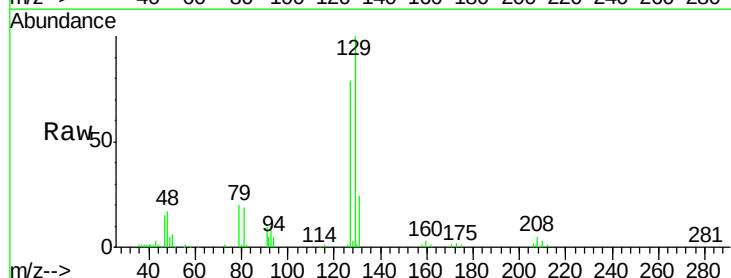
Manual Integrations
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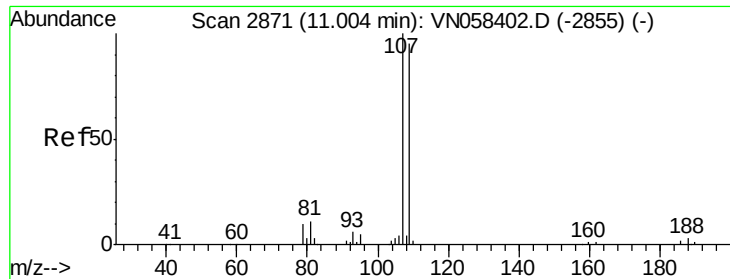
MMDadoda
10/2/2019 9:22:16 AM



#60
Dibromochloromethane
Concen: 19.313 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	129	Resp	93013	
Ion Ratio	129	100	Lower	Upper
129	100			
127	78.5	38.3	114.8	





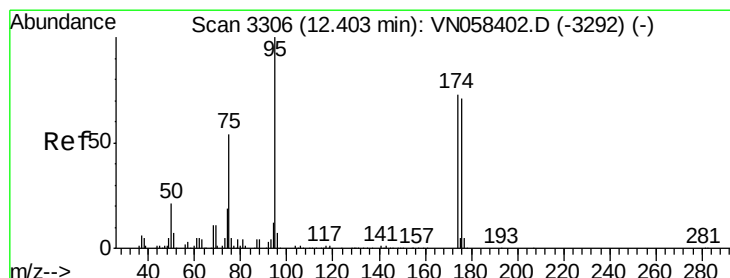
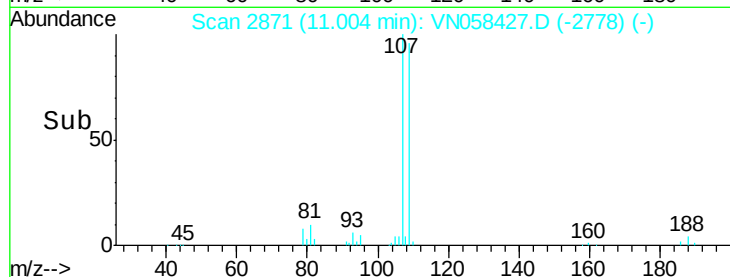
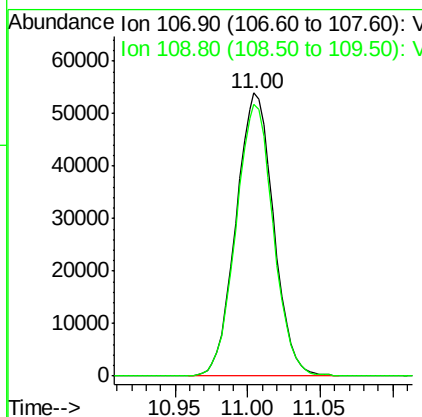
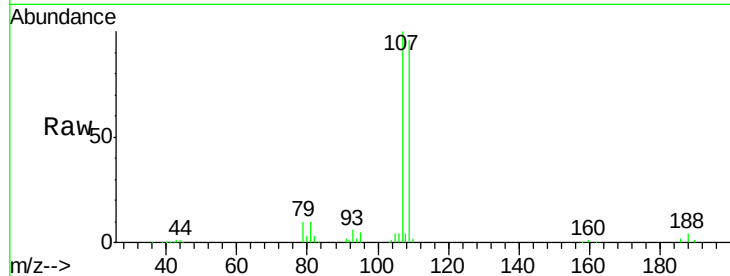
#61
 1,2-Dibromoethane
 Concen: 20.791 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

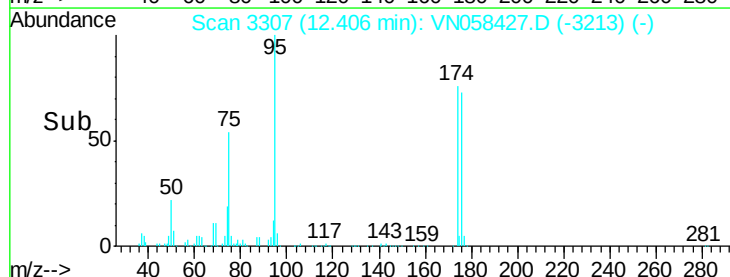
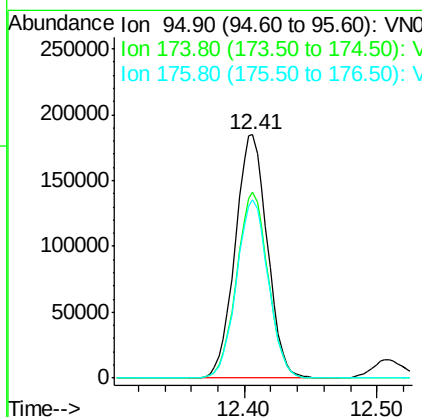
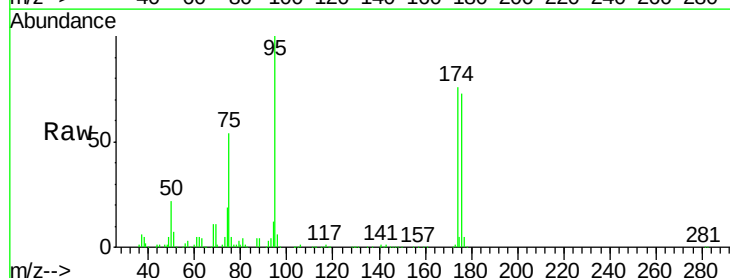
Manual Integrations
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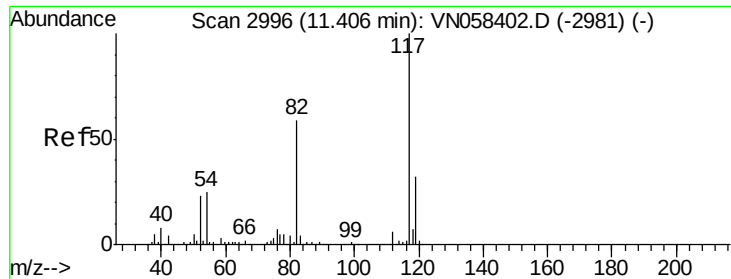
MMDadoda
 10/2/2019 9:22:16 AM



#62
 4-Bromofluorobenzene
 Concen: 49.290 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	150.6
176	72.5	0.0	146.2





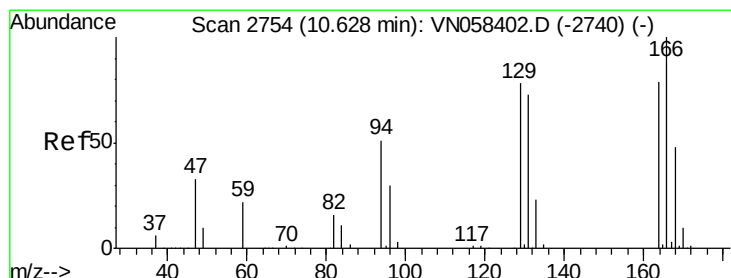
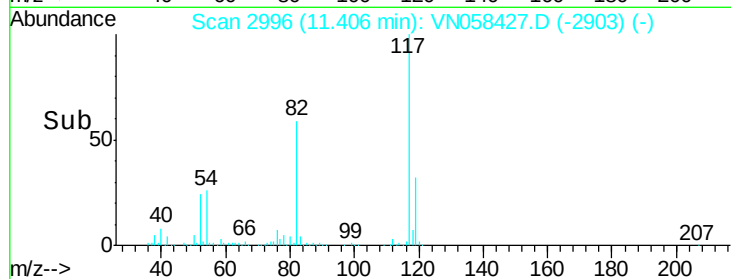
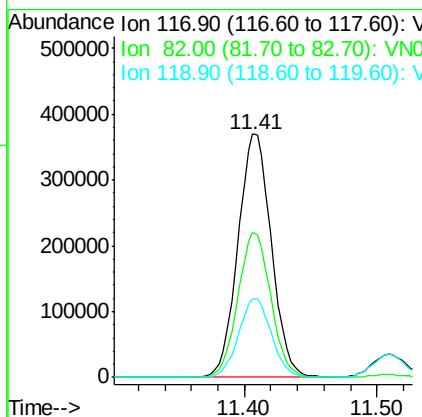
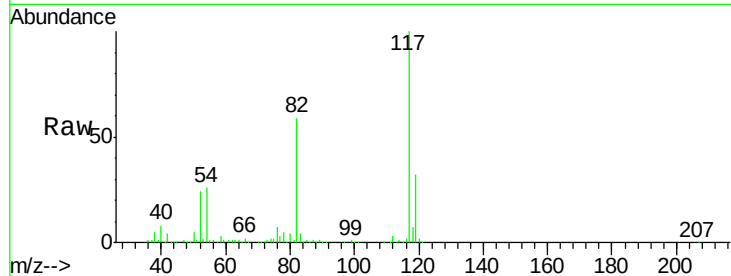
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	646265		
82	59.4		47.4	71.0
119	32.3		25.5	38.3

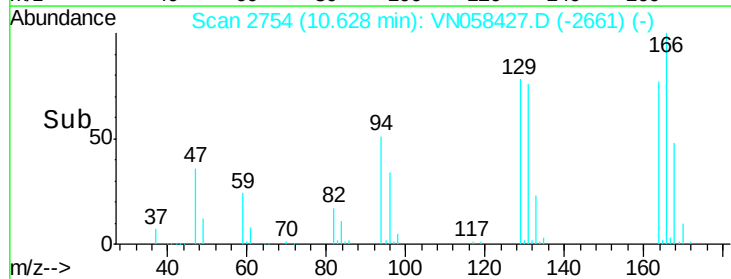
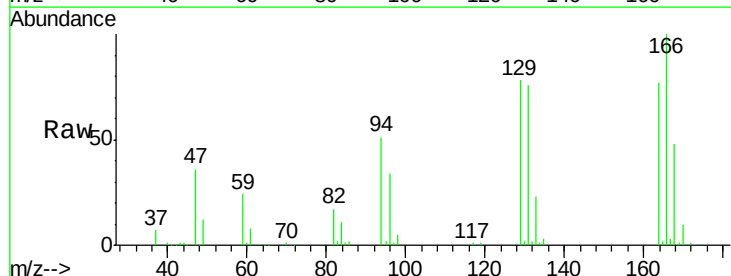
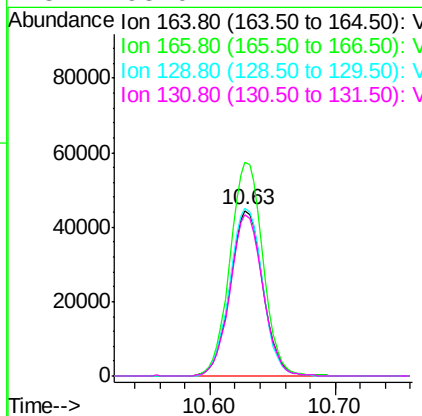
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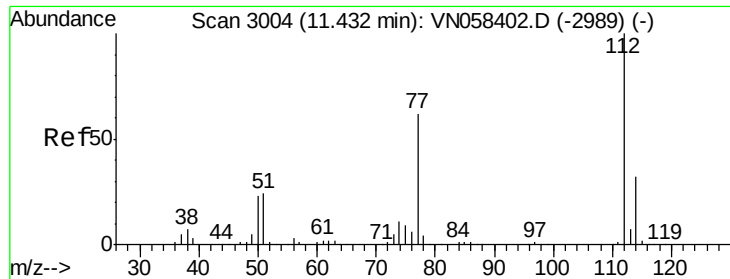
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#64
Tetrachloroethene
Concen: 19.730 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81009		
166	129.3		101.1	151.7
129	101.2		79.2	118.8
131	98.0		74.1	111.1





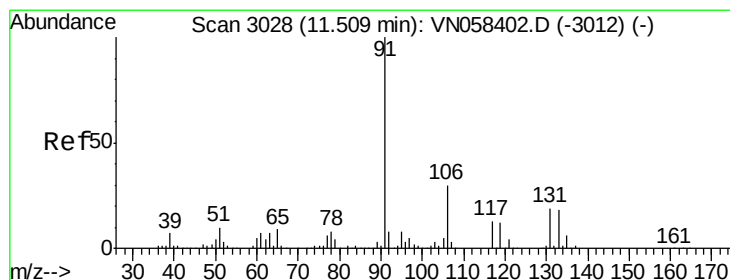
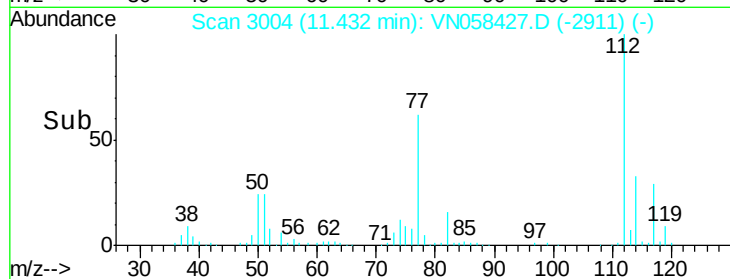
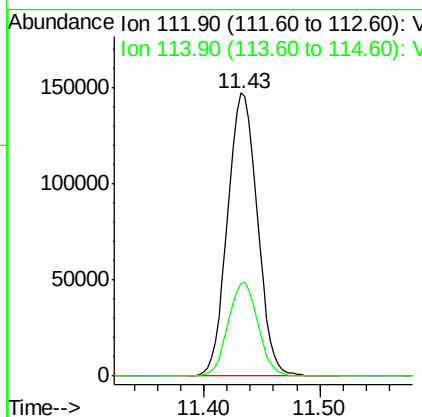
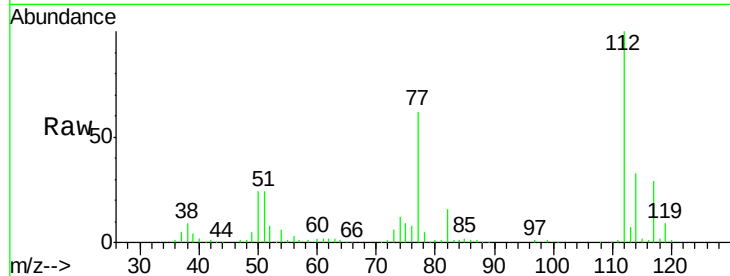
#65
Chlorobenzene
Concen: 20.422 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion:112 Resp: 262345
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2

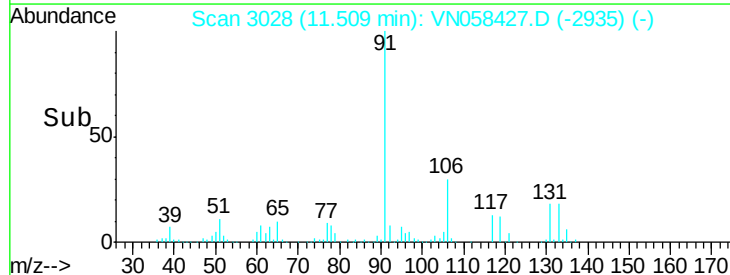
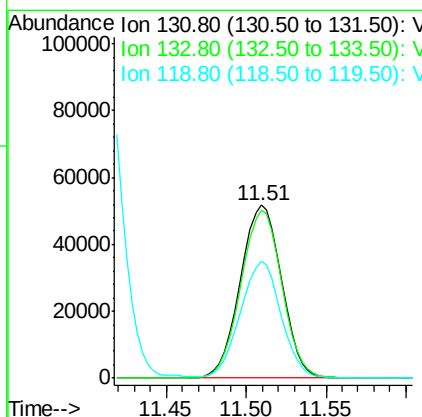
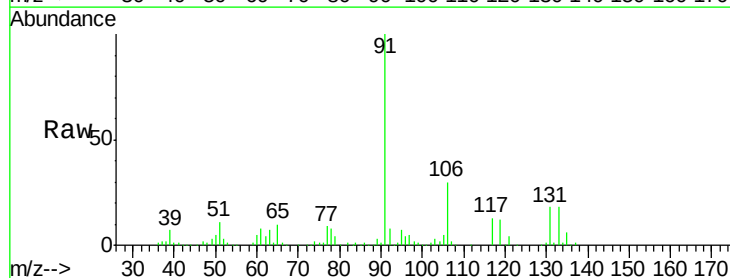
Manual Integrations
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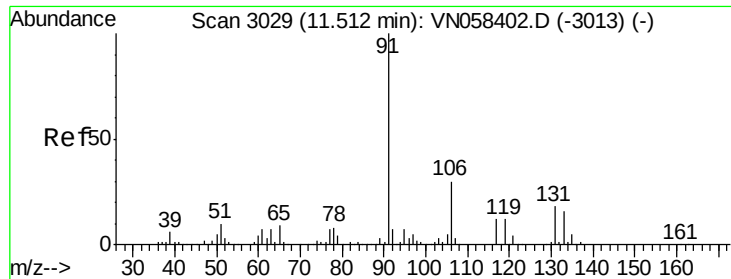
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.084 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion:131 Resp: 91255
Ion Ratio Lower Upper
131 100
133 96.1 47.8 143.3
119 66.4 33.0 99.0





#67

Ethyl Benzene

Concen: 20.947 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0930WBS01

Tot Ion: 91 Resp: 487405

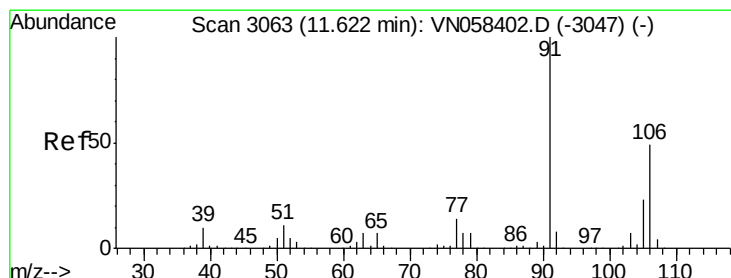
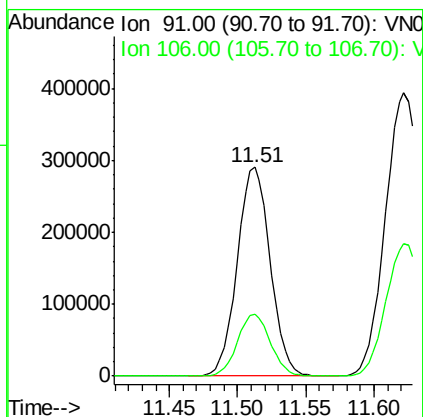
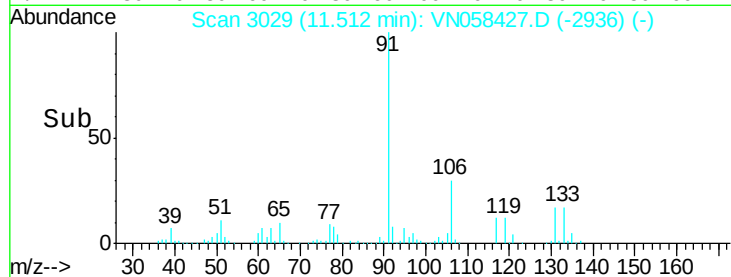
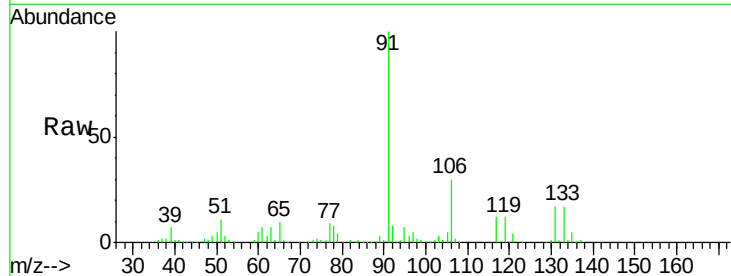
Ion Ratio Lower Upper

91 100

106 29.7 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.051 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058427.D

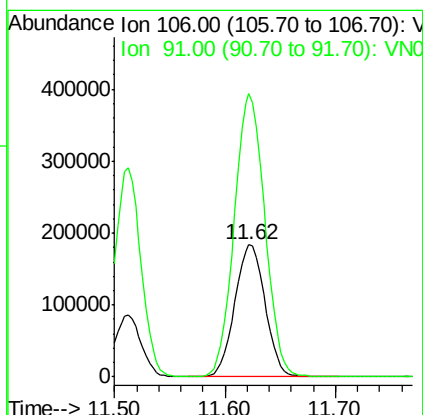
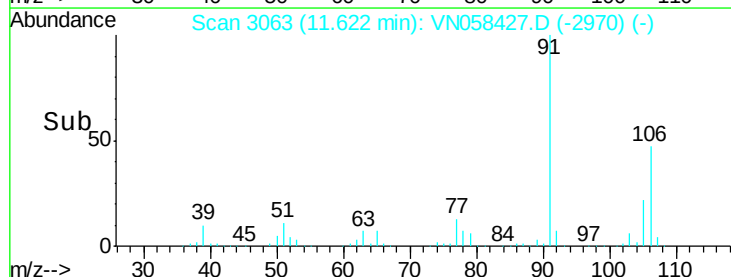
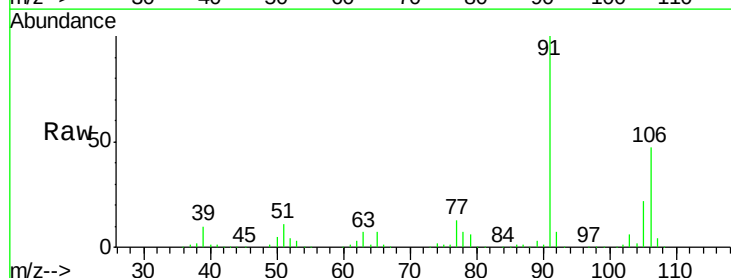
Acq: 30 Sep 2019 12:15

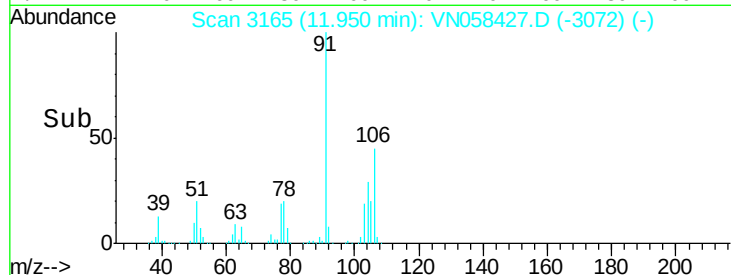
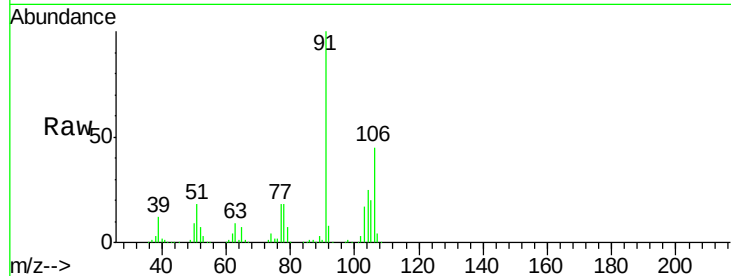
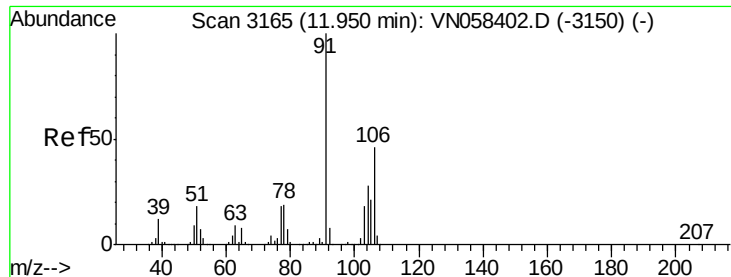
Tgt Ion: 106 Resp: 350629

Ion Ratio Lower Upper

106 100

91 215.1 165.0 247.4





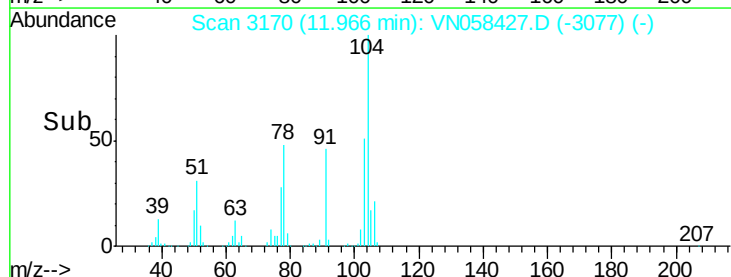
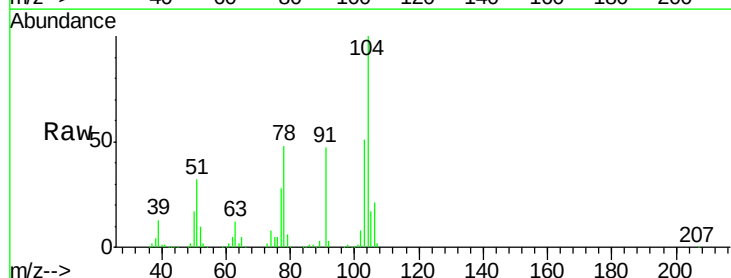
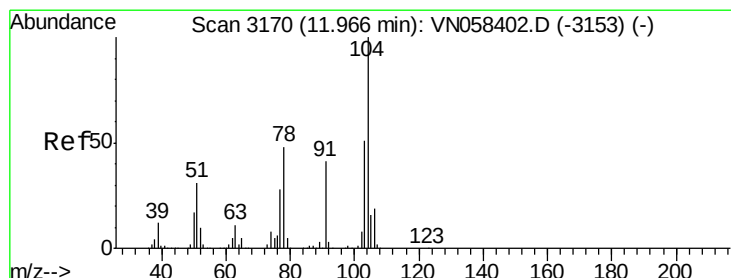
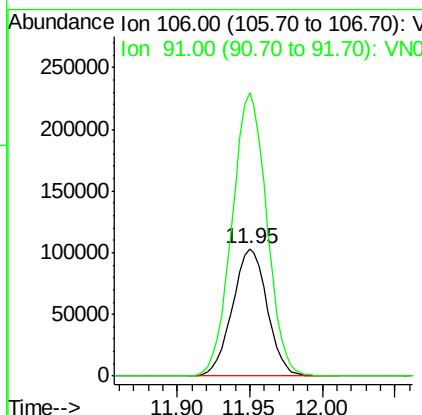
#69
o-Xylene
Concen: 20.334 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	171367		
91	91	222.4	109.1	327.4	

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

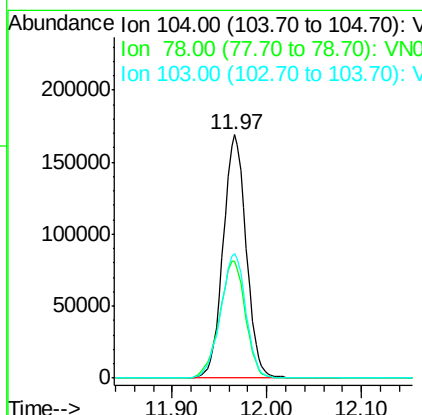
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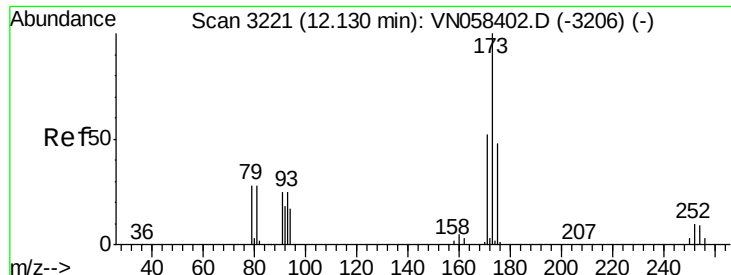
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#70
Styrene
Concen: 20.945 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	286762		
78	78	53.7	42.8	64.2	
103	103	55.9	43.7	65.5	





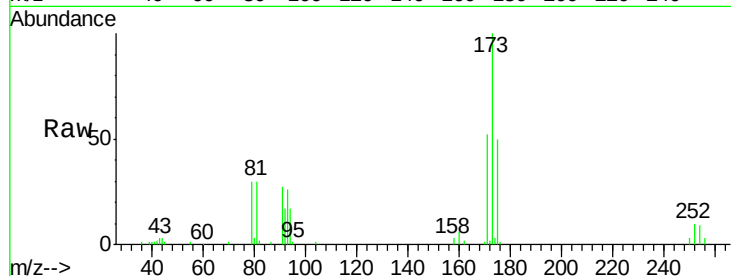
#71
Bromoform
Concen: 19.597 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

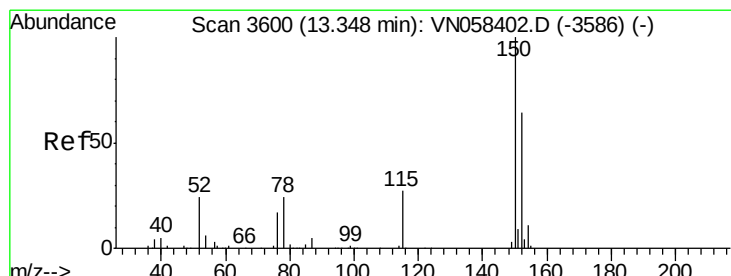
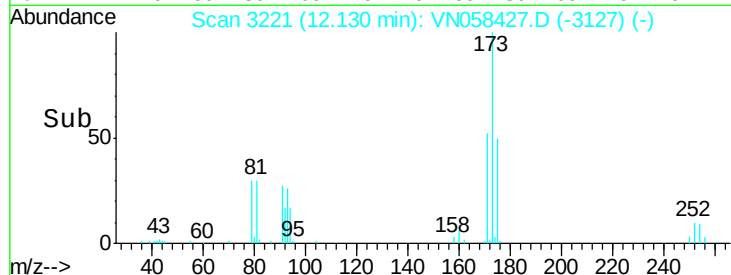
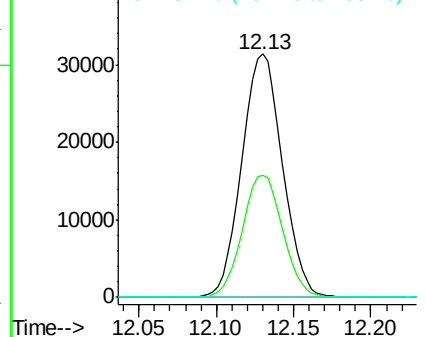
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	73.0
254	0.0	0.1	0.1#

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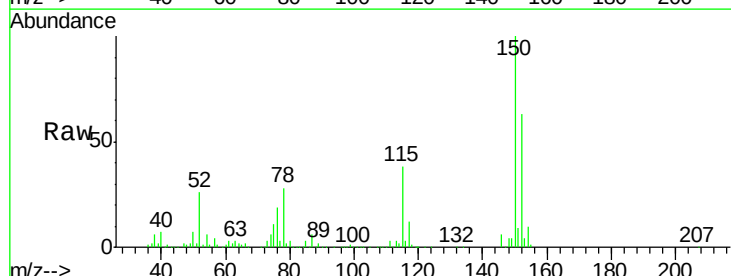


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

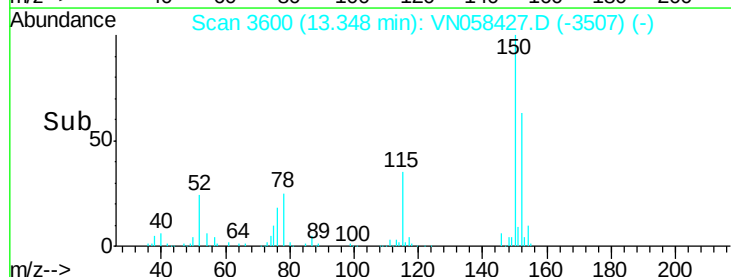
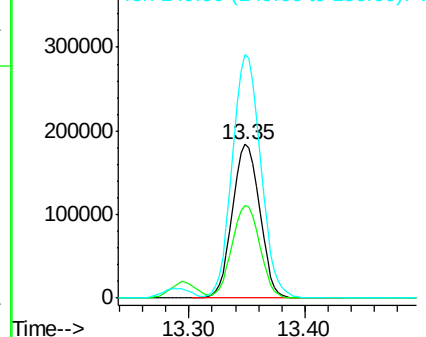


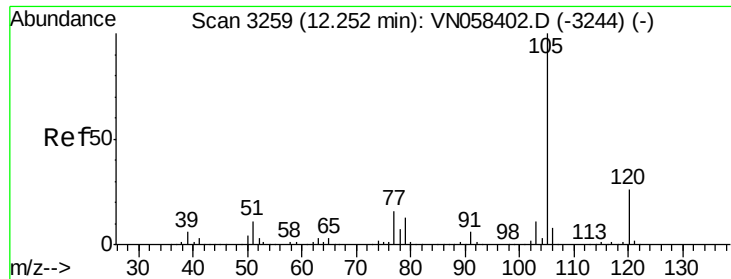
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.0	90.0
150	164.2	0.0	348.2



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





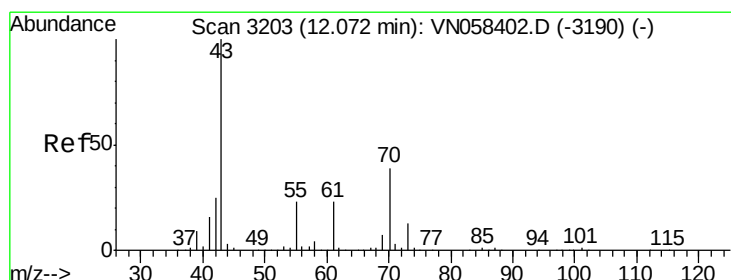
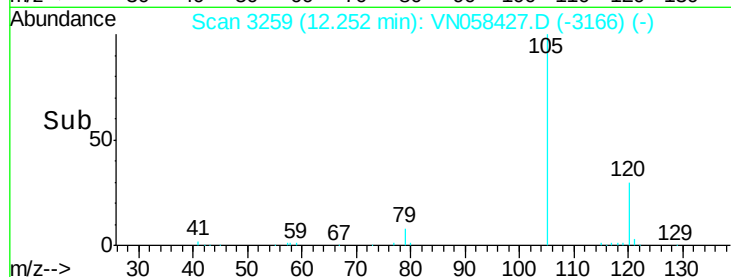
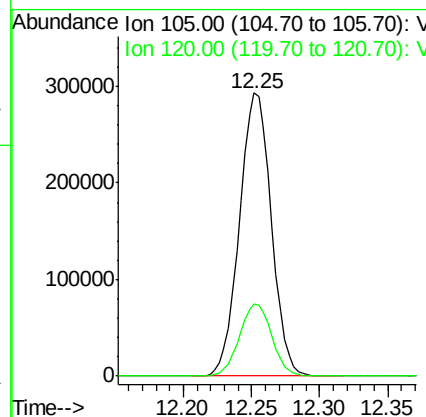
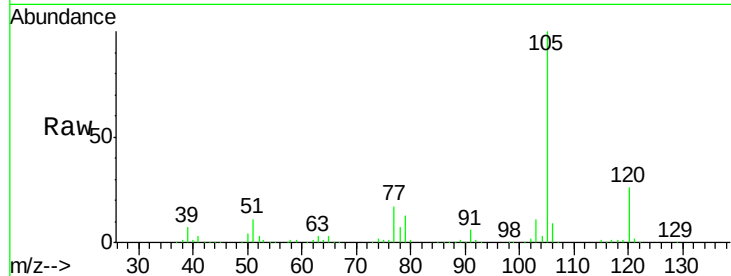
#73
Isopropylbenzene
Concen: 21.420 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion: 105 Resp: 474448
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4

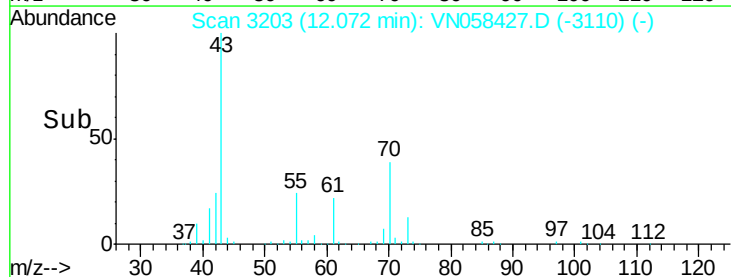
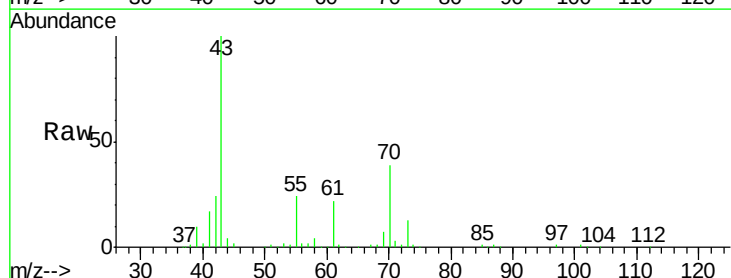
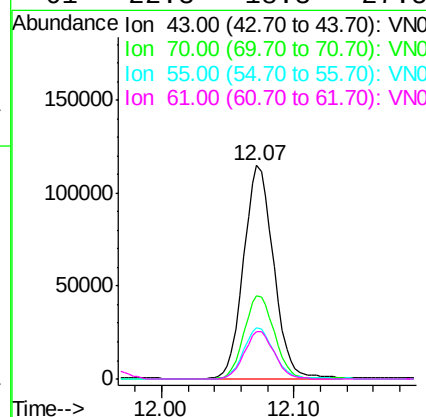
Manual Integrations
APPROVED

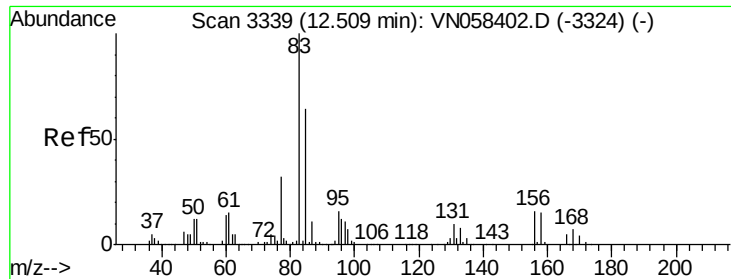
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#74
N-ethyl acetate
Concen: 20.496 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion: 43 Resp: 180603
Ion Ratio Lower Upper
43 100
70 40.0 31.4 47.2
55 24.2 18.2 27.4
61 22.3 18.3 27.5





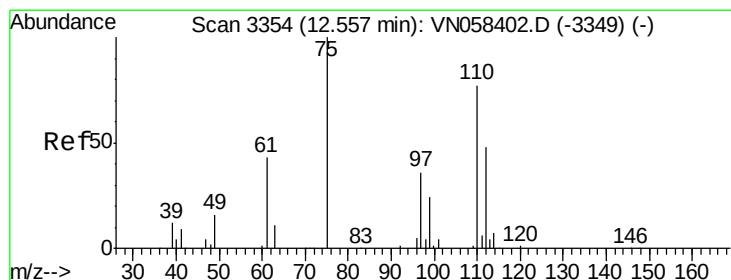
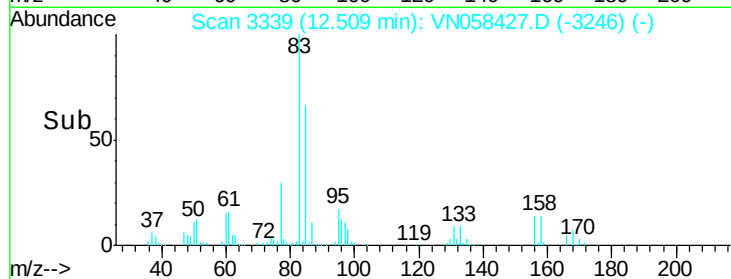
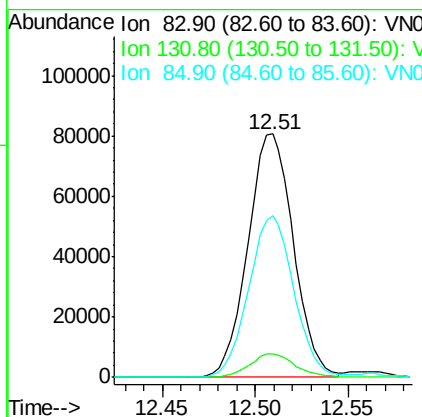
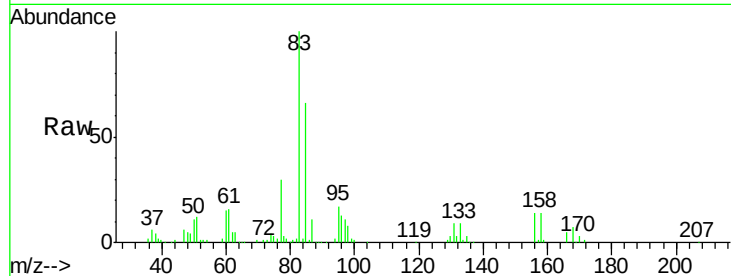
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.974 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	137374		
131	9.6	4.9	14.7	
85	65.9	32.0	96.0	

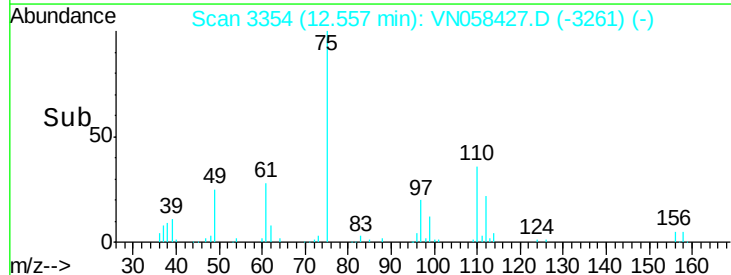
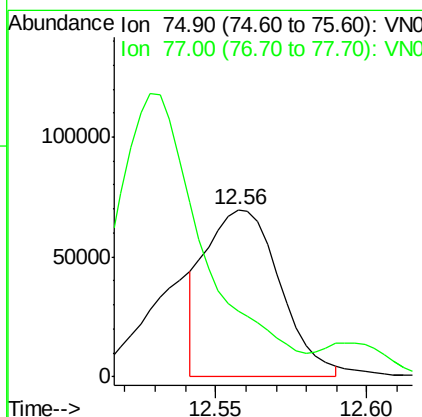
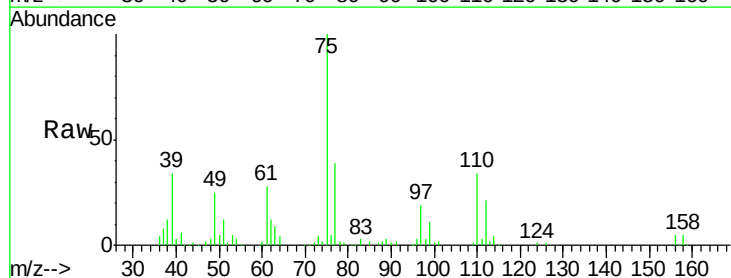
Manual Integrations
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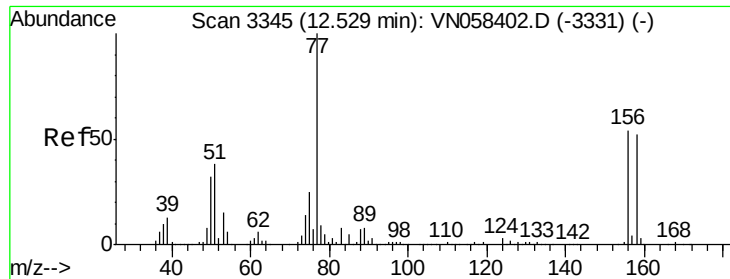
MMDadoda
 10/2/2019 9:22:16 AM



#76
 1,2,3-Trichloropropane
 Concen: 21.679 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118677		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 20.946 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

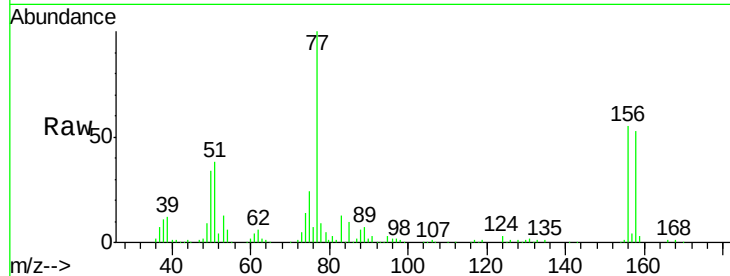
ClientSampleId :

VN0930WBS01

Tot Ion:	156	Resp:	108783
Ion Ratio	Lower	Upper	
156	100		
77	221.3	110.0	330.0
158	98.0	47.9	143.8

Manual Integrations
APPROVED

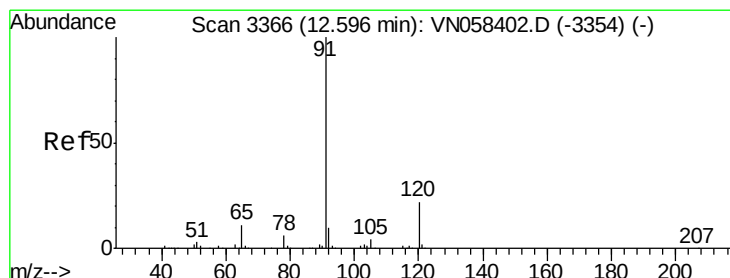
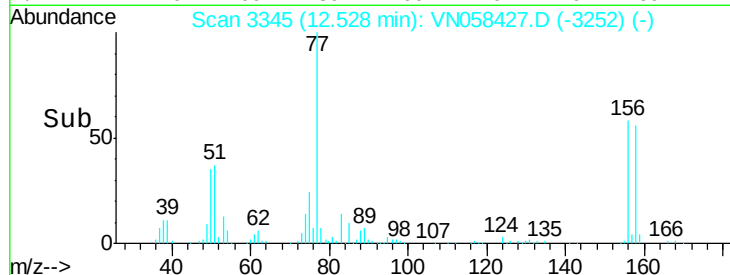
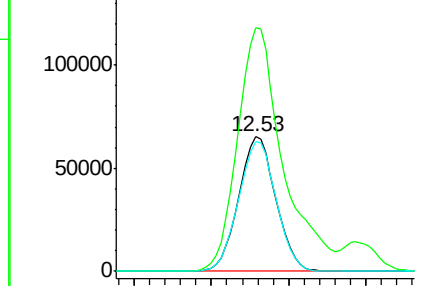
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.825 ug/l

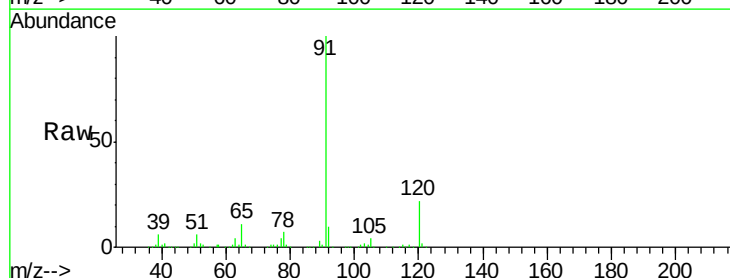
RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058427.D

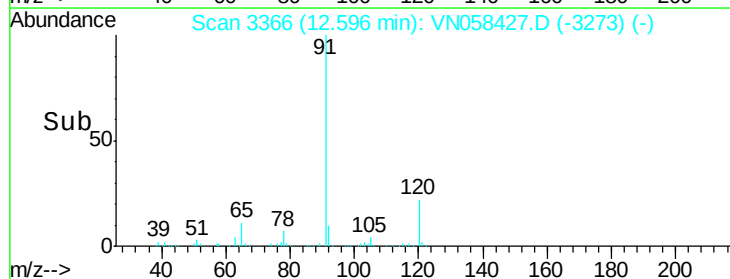
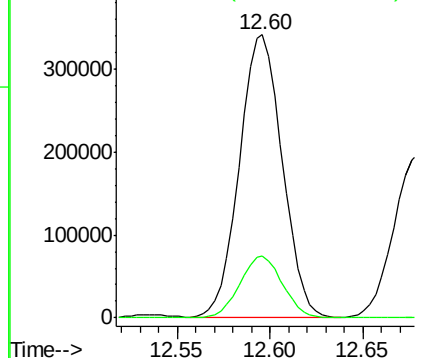
Acq: 30 Sep 2019 12:15

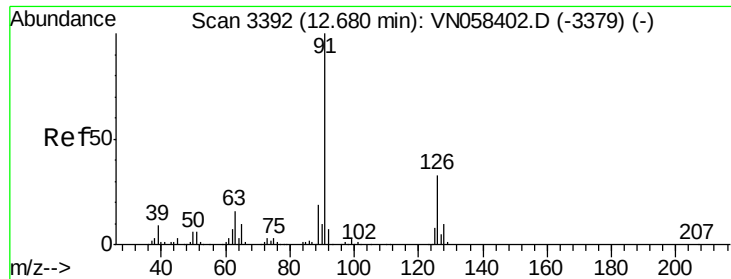
Tgt Ion:	91	Resp:	544606
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.9	32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.807 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion: 91 Resp: 320480

Ion Ratio Lower Upper

91 100

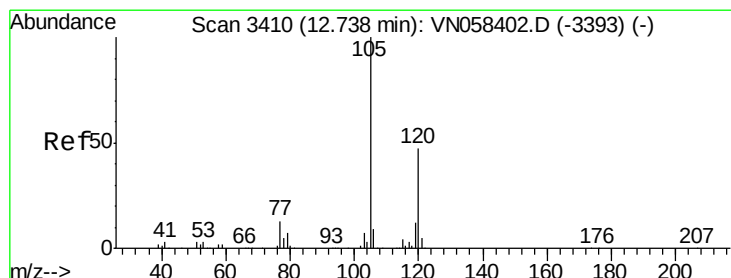
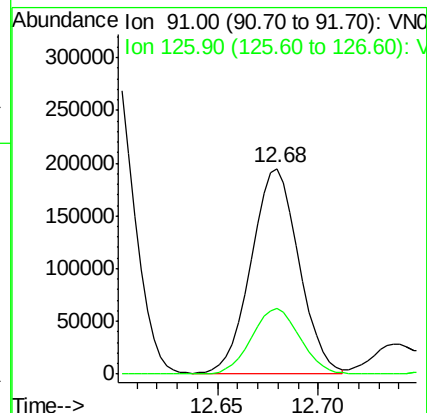
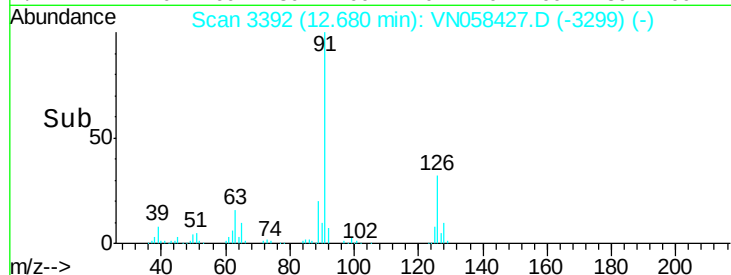
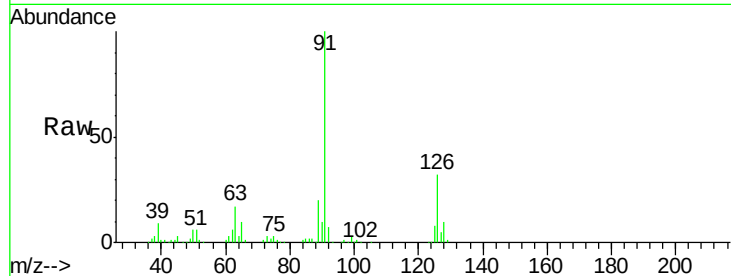
126 32.7 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.397 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058427.D

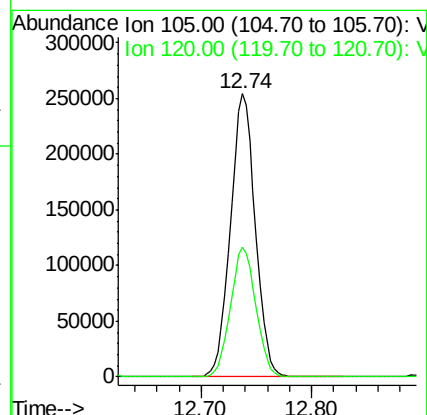
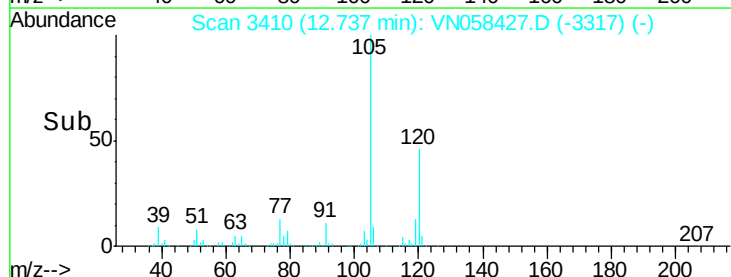
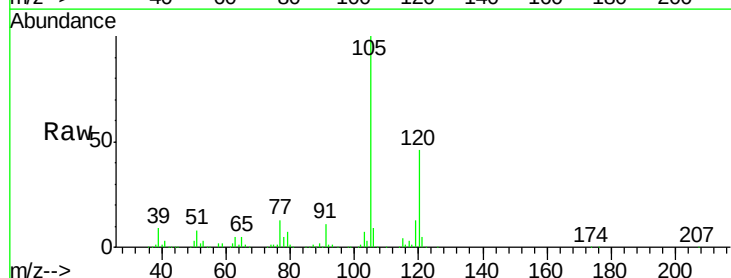
Acq: 30 Sep 2019 12:15

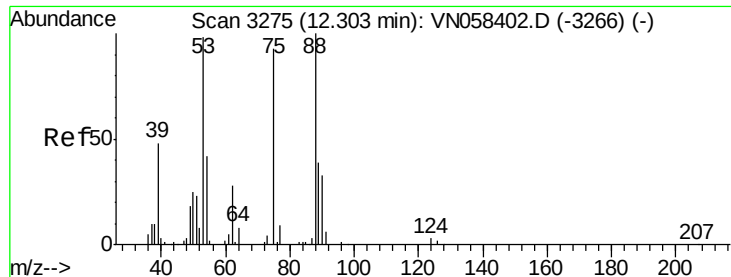
Tgt Ion: 105 Resp: 396720

Ion Ratio Lower Upper

105 100

120 46.7 23.5 70.6





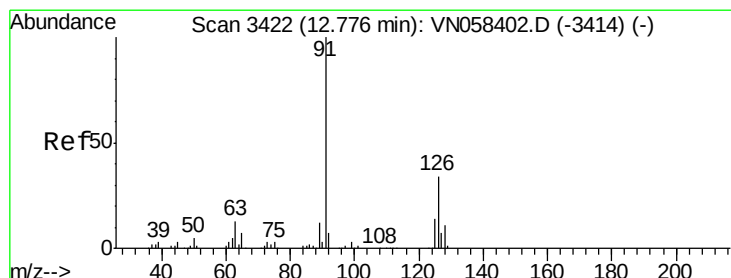
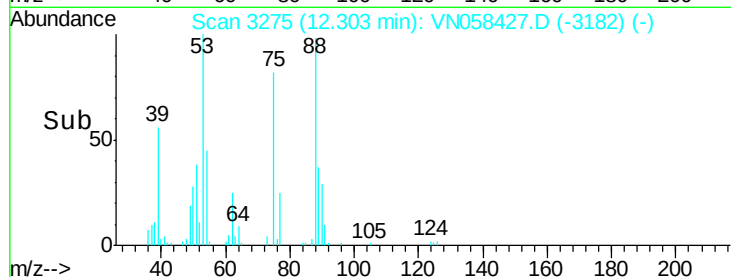
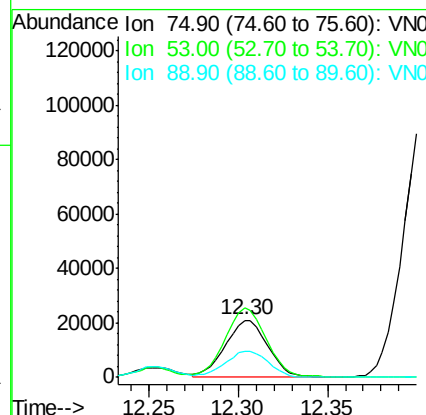
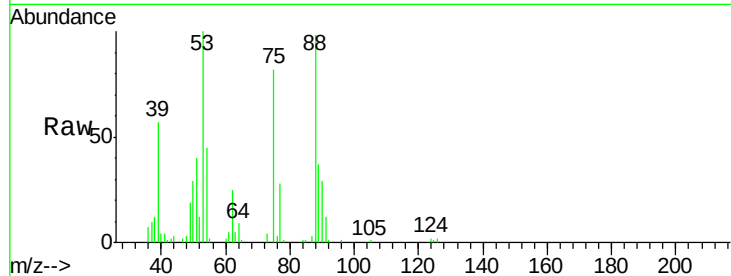
#81
trans-1,4-Dichloro-2-butene
Concen: 19.397 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.2	85.4	128.0
89	46.0	35.0	52.4

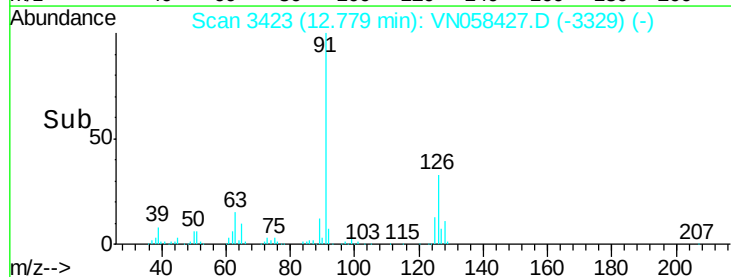
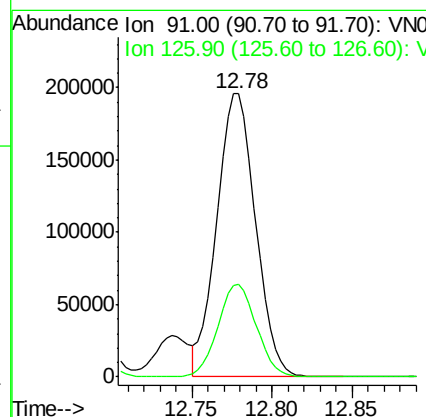
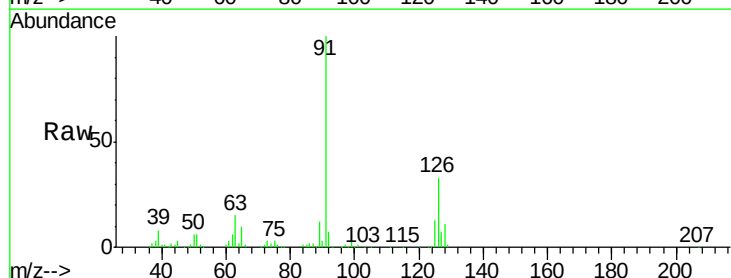
Manual Integrations
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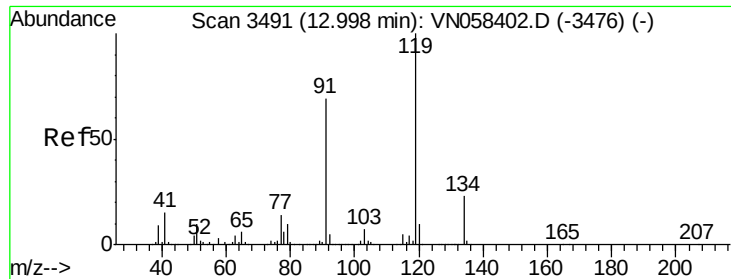
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.734 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.9	47.7





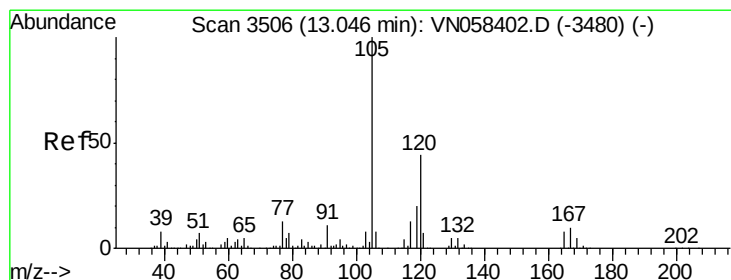
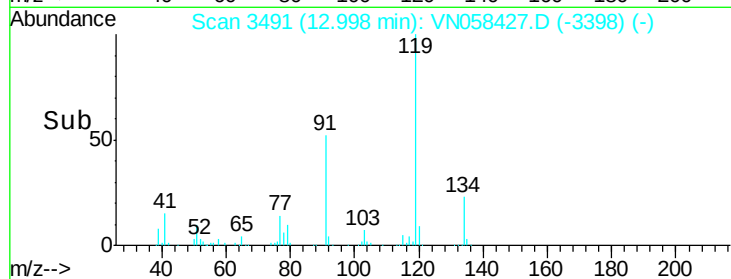
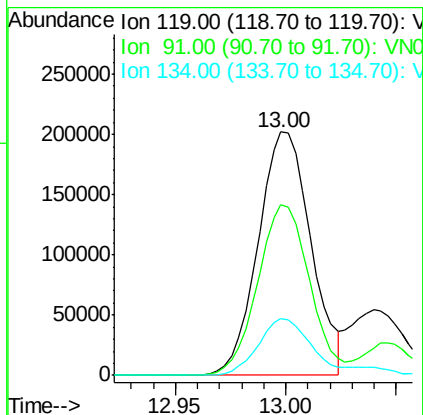
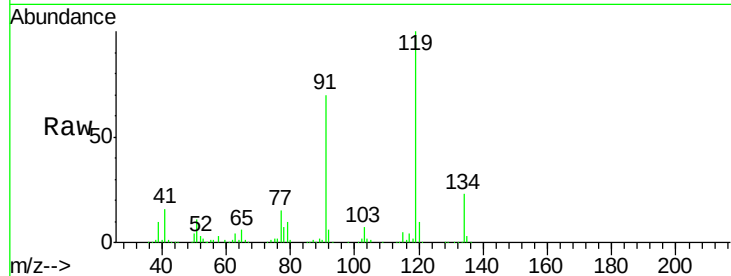
#83
 tert-Butylbenzene
 Concen: 21.423 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.2	102.6
134	23.1	11.6	34.8

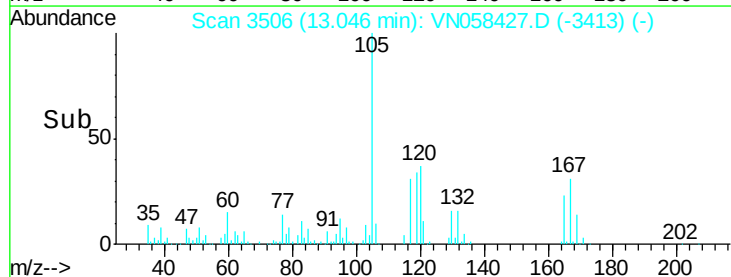
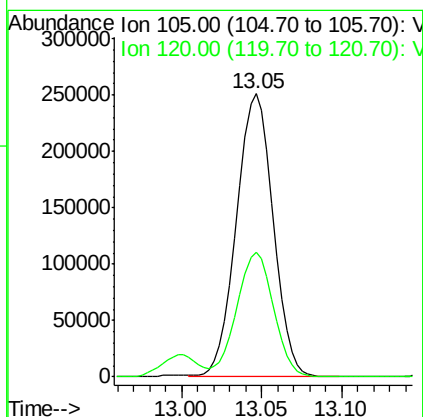
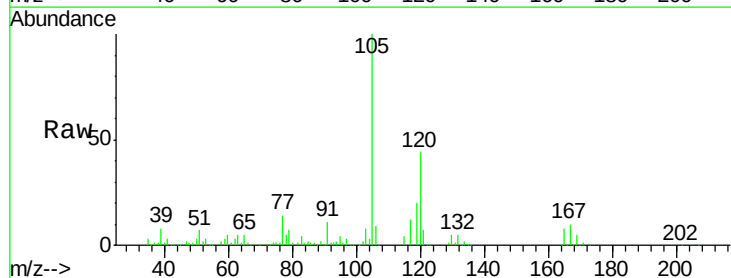
Manual Integrations
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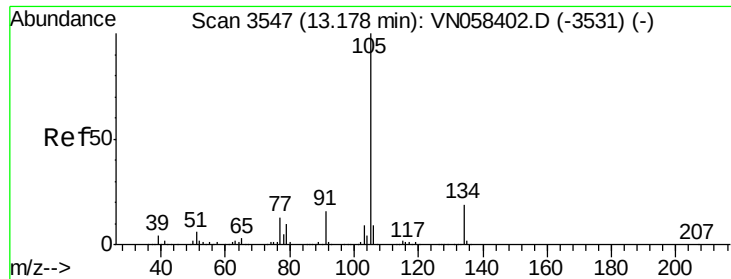
MMDadoda
 10/2/2019 9:22:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.061 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.7	65.1





#85

sec-Butylbenzene

Concen: 21.977 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0930WBS01

Tot Ion:105 Resp: 452558

Ion Ratio Lower Upper

105 100

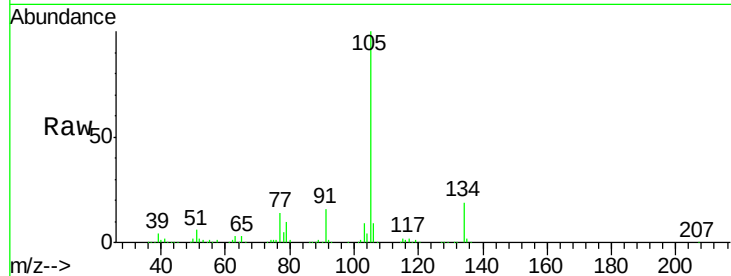
134 18.9 9.4 28.2

Manual Integrations

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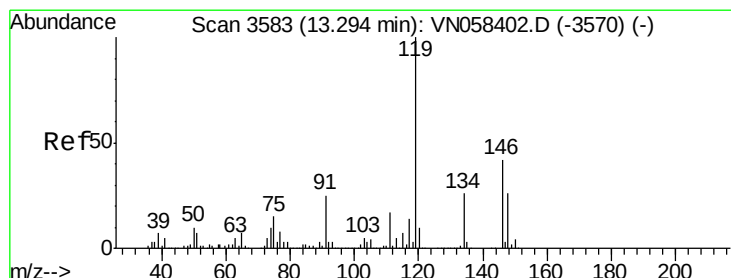
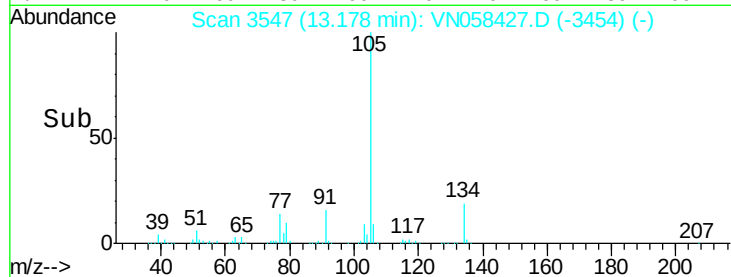
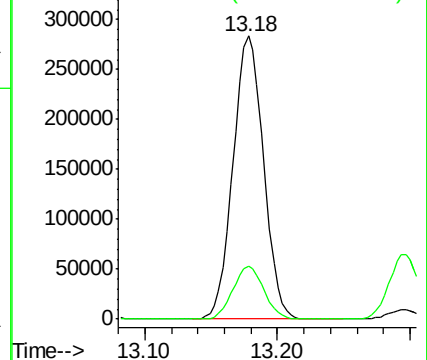
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.959 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

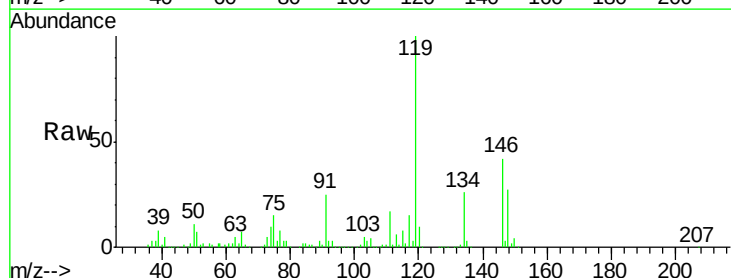
Tgt Ion:119 Resp: 398031

Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

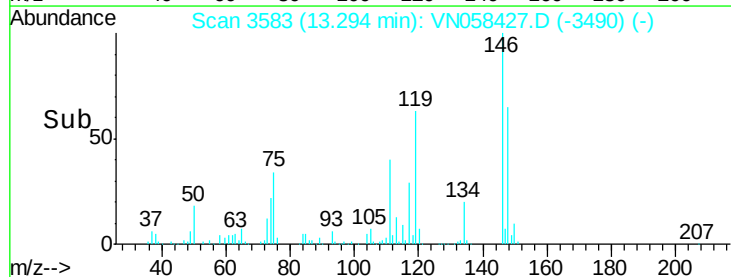
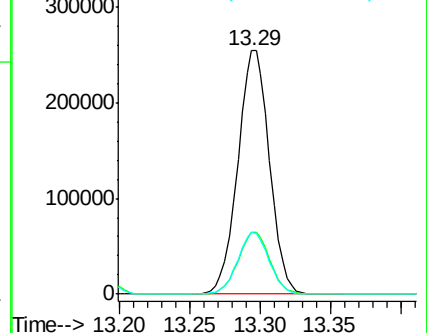
91 25.0 12.4 37.0

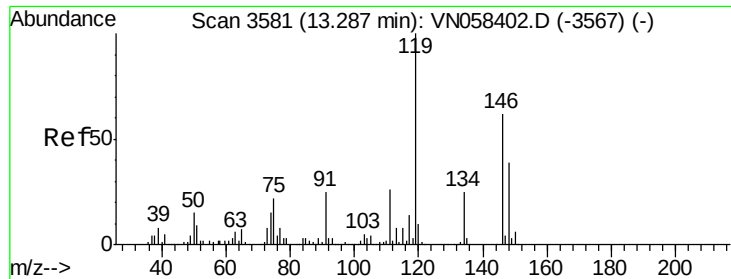


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





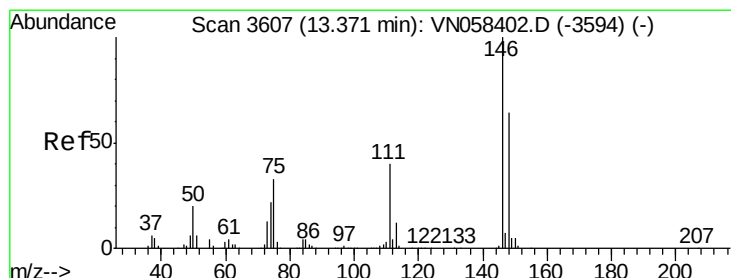
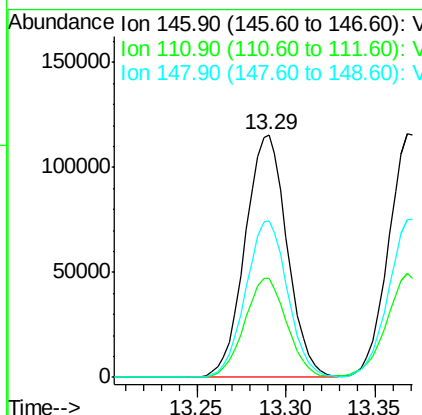
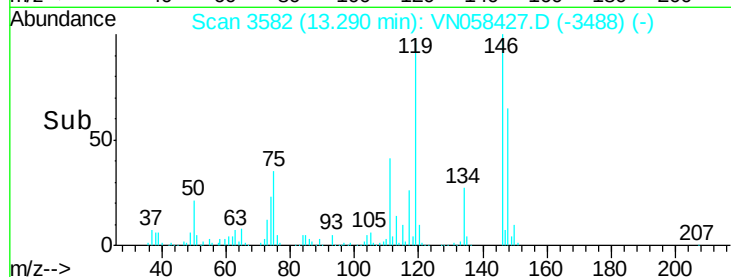
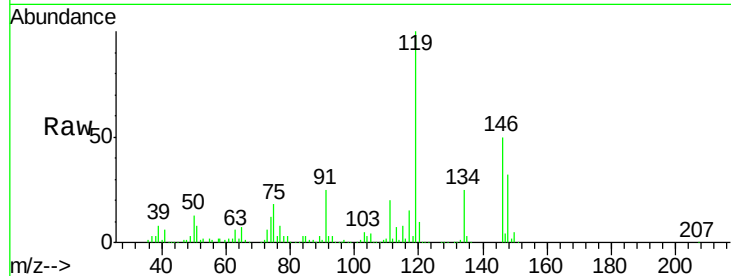
#87
 1,3-Dichlorobenzene
 Concen: 20.232 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	190531		
111	41.0	20.8	62.4	
148	64.1	31.4	94.3	

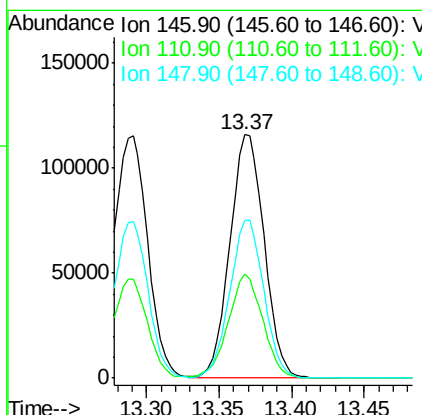
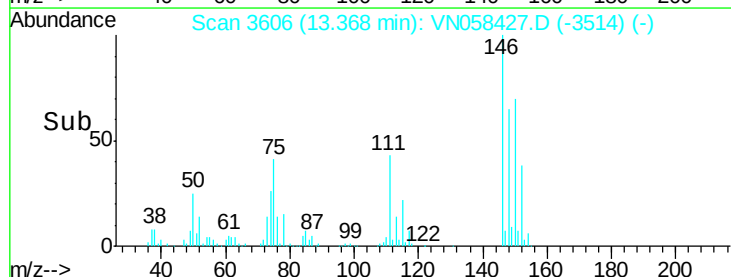
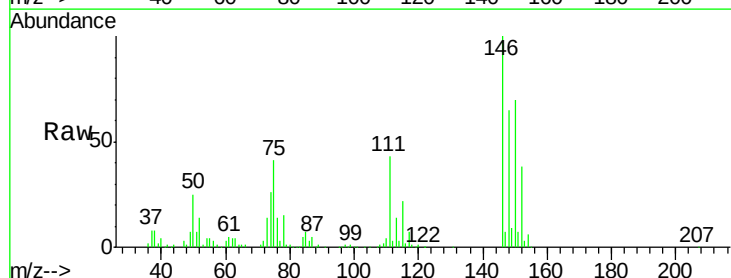
Manual Integrations
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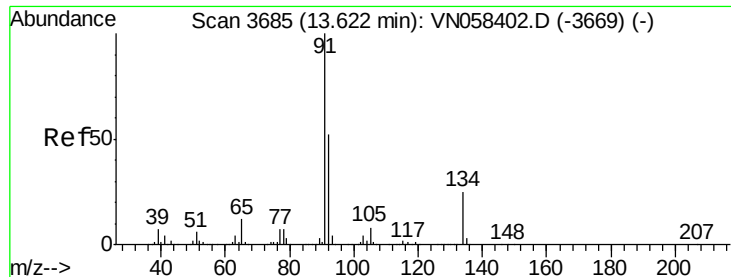
MMDadoda
 10/2/2019 9:22:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.338 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	190555		
111	43.0	20.5	61.6	
148	64.5	31.5	94.5	





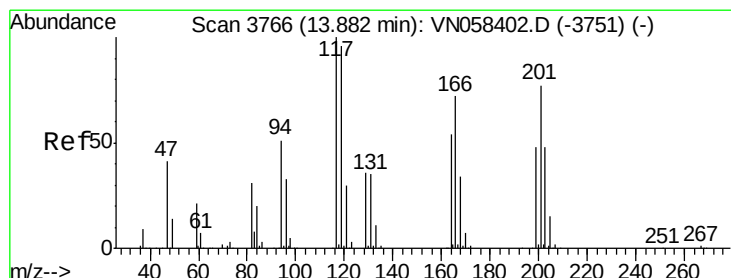
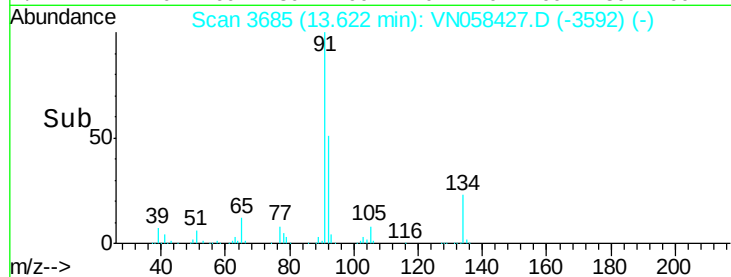
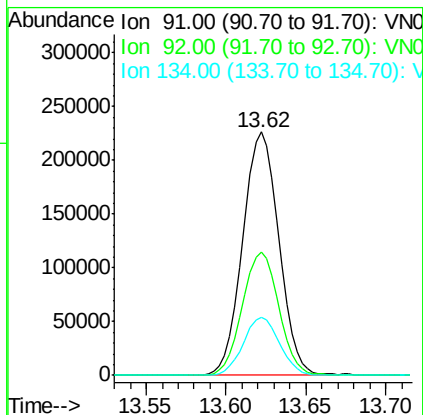
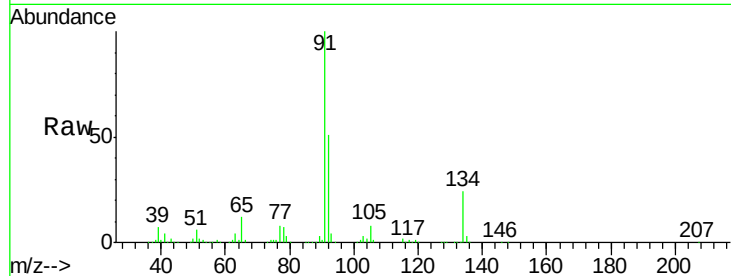
#89
n-Butylbenzene
Concen: 21.250 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.1
134	24.0	12.2	36.6

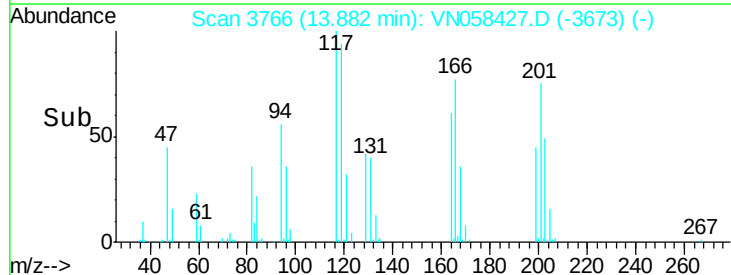
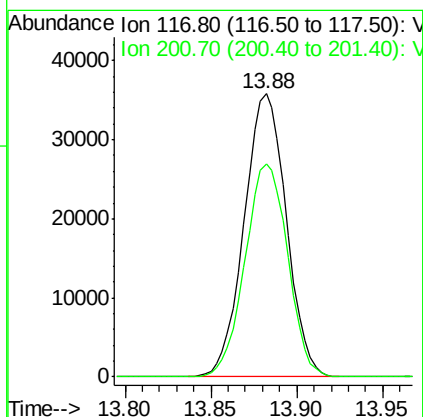
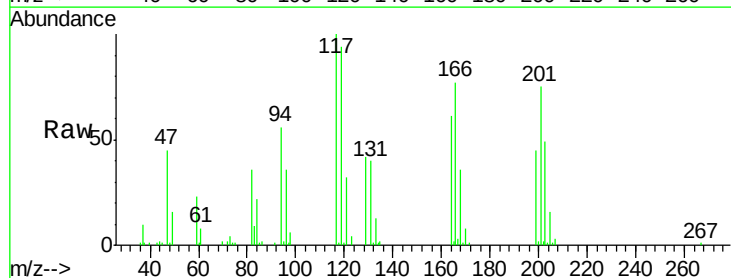
Manual Integrations
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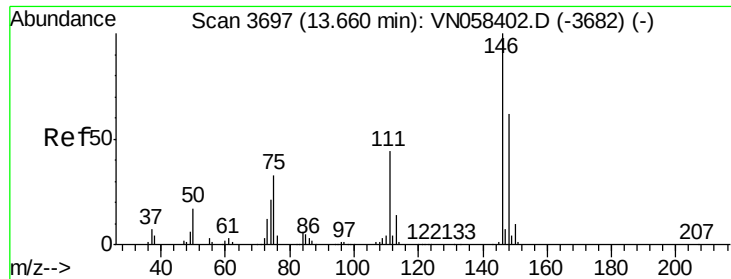
MMDadoda
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#90
Hexachloroethane
Concen: 22.325 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058427.D
Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	38.6	116.0





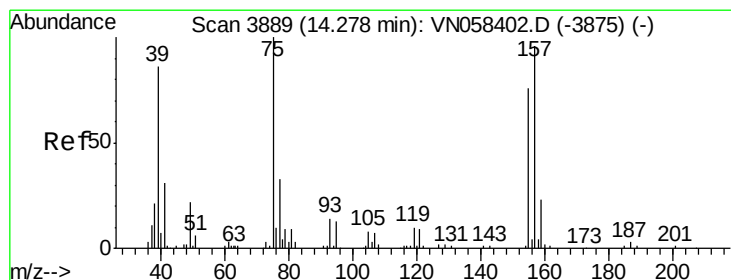
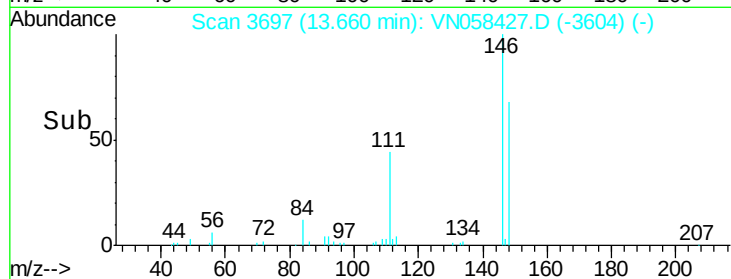
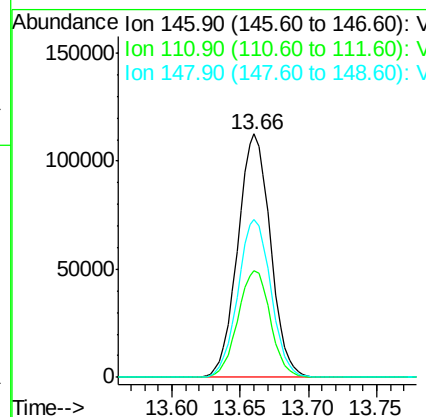
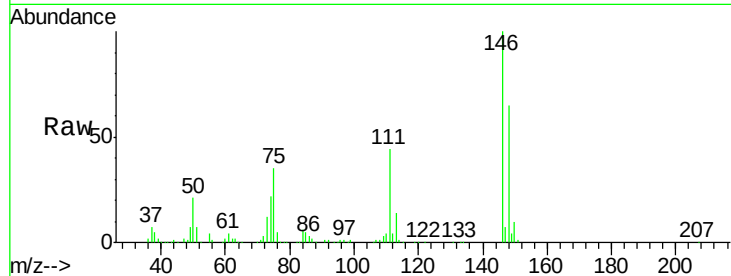
#91
 1,2-Dichlorobenzene
 Concen: 20.737 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	187634		
111	43.6	21.8	65.3	
148	65.4	31.5	94.5	

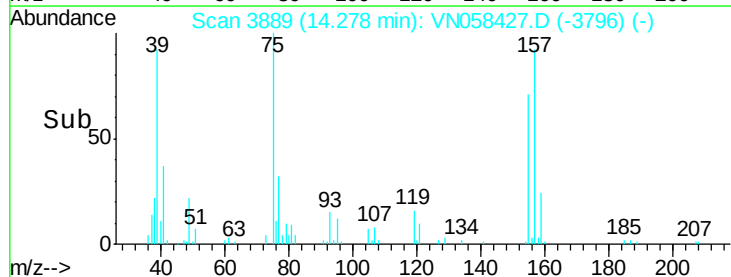
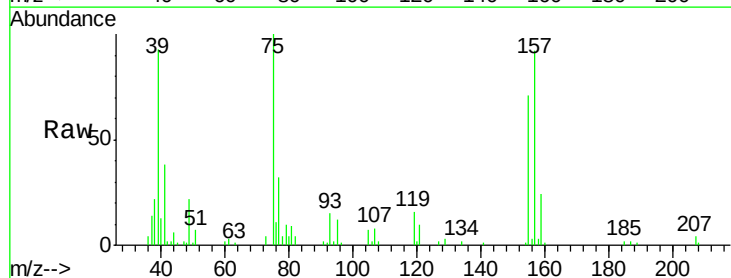
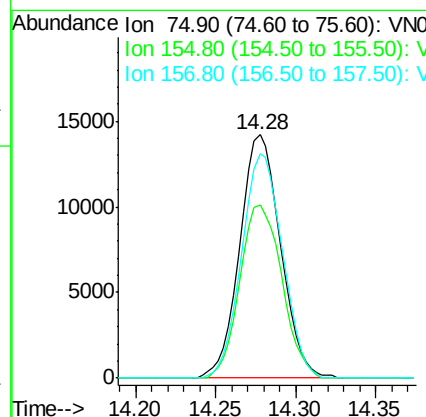
Manual Integrations
 APPROVED

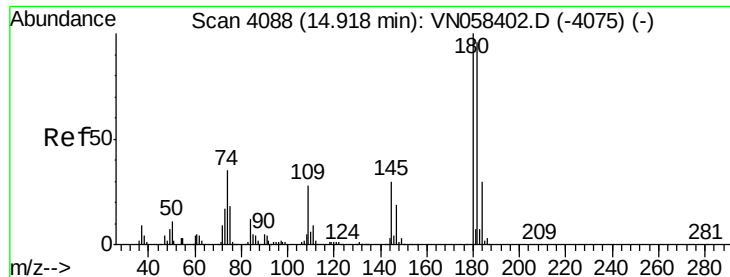
MMDadoda
 10/2/2019 9:22:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.360 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058427.D
 Acq: 30 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24671		
155	73.3	39.2	117.6	
157	92.1	48.7	146.1	





#93

1,2,4-Trichlorobenzene

Concen: 21.073 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

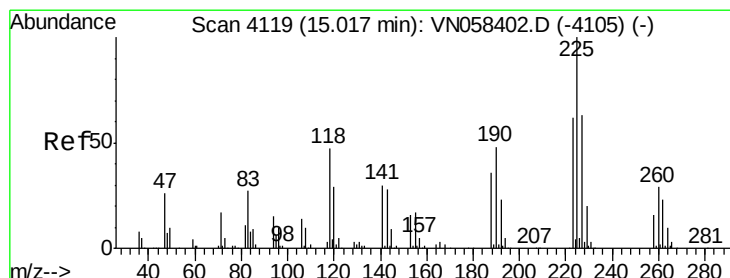
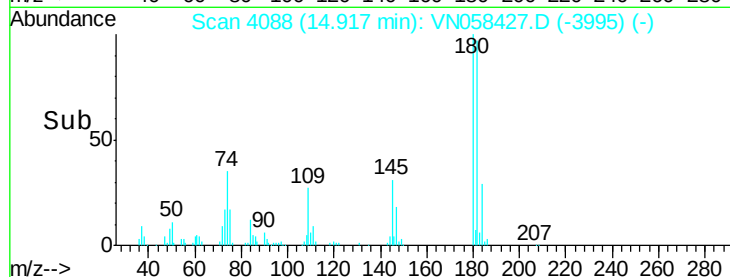
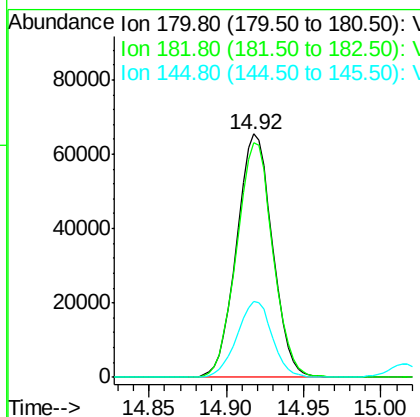
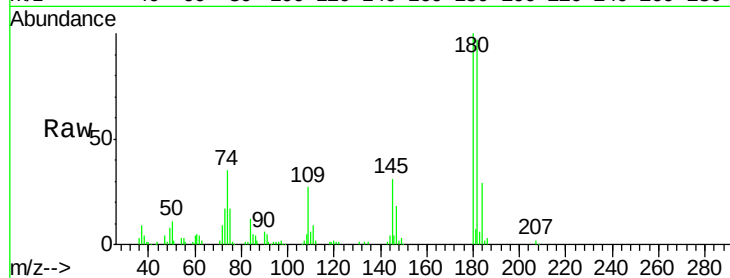
ClientSampleId :

VN0930WBS01

Tot Ion:	180	Resp:	105369
Ion Ratio	Lower	Upper	
180	100		
182	97.8	47.4	142.3
145	30.8	15.3	45.9

Manual Integrations
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MMDadoda
10/2/2019 9:22:16 AM



#94

Hexachlorobutadiene

Concen: 20.801 ug/l

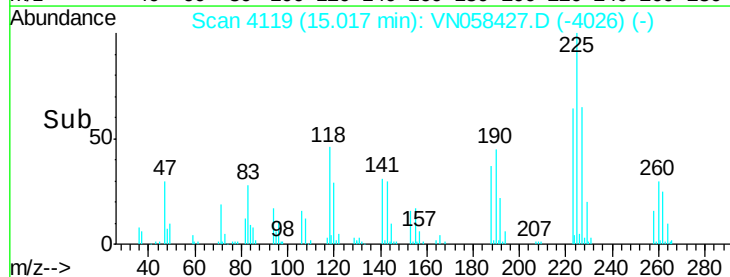
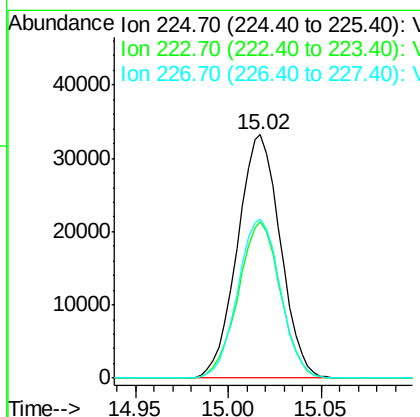
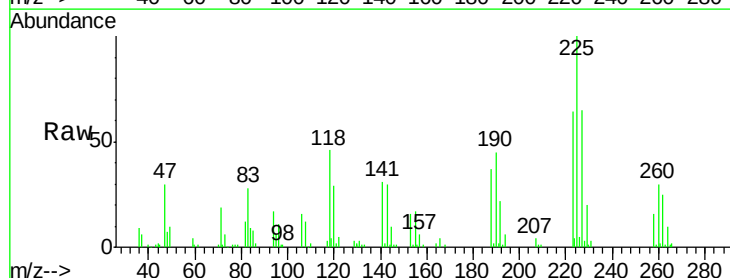
RT: 15.02 min Scan# 4119

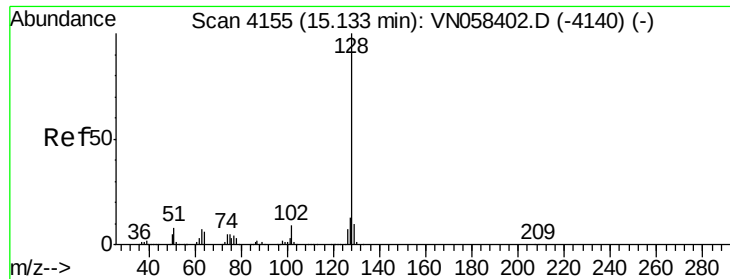
Delta R.T. -0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Tgt Ion:	225	Resp:	53459
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.1	93.5
227	64.9	31.4	94.2





#95

Naphthalene

Concen: 19.365 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Instrument :

MSVOA_N

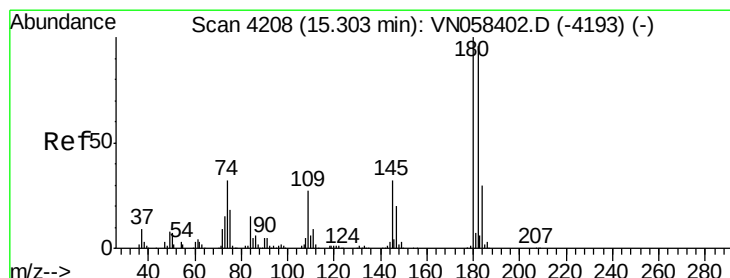
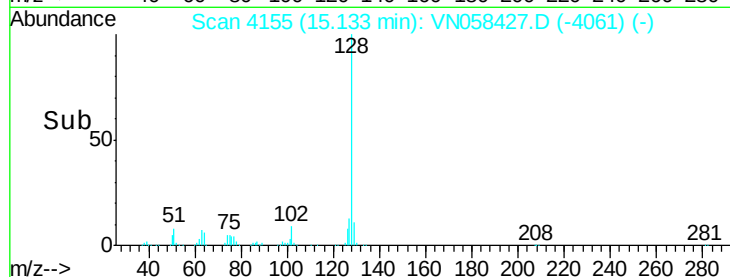
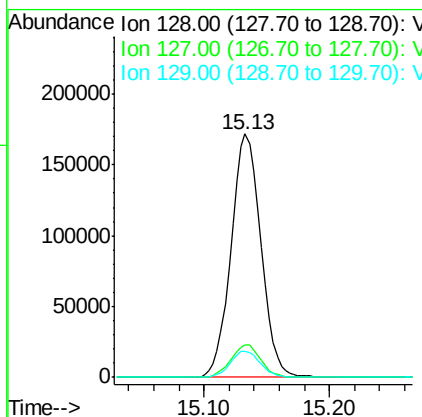
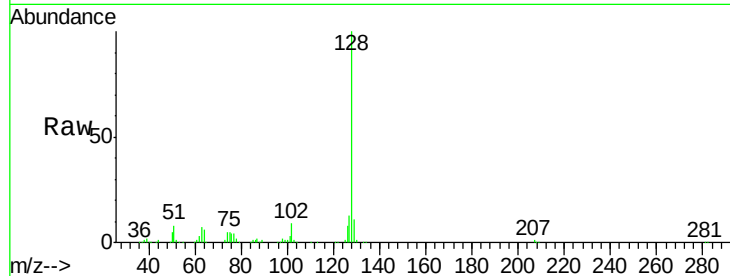
ClientSampleId :

VN0930WBS01

Tot Ion:	128	Resp:	283828
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	10.8	8.3	12.5

Manual Integrations
APPROVED

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10/2/2019 9:22:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.096 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058427.D

Acq: 30 Sep 2019 12:15

Tgt Ion:	180	Resp:	100815
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.3	144.9
145	34.5	16.1	48.3

