

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091519\
 Data File : VN058080.D
 Acq On : 15 Sep 2019 10:07
 Operator : JC/SP
 Sample : VN0915WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 1:56:13 PM

Quant Time: Sep 16 03:57:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	333543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	534322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	497676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	356568	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
35) Dibromofluoromethane	7.57	113	255130	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.08	98	1004353	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.40	95	356046	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96720	20.968	ug/l	99
3) Chloromethane	2.04	50	82523	17.553	ug/l	99
4) Vinyl Chloride	2.17	62	85838	17.251	ug/l	98
5) Bromomethane	2.55	94	48021	16.544	ug/l	96
6) Chloroethane	2.69	64	53902	17.000	ug/l	97
7) Trichlorofluoromethane	3.00	101	116877	18.665	ug/l	100
8) Diethyl Ether	3.39	74	53066	20.319	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85583	21.666	ug/l	99
10) Methyl Iodide	3.93	142	77907	17.723	ug/l	99
11) Tert butyl alcohol	4.76	59	82419	100.800	ug/l	97
12) 1,1-Dichloroethene	3.72	96	70670	19.898	ug/l	99
13) Acrolein	3.59	56	11161	16.089	ug/l	96
14) Allyl chloride	4.30	41	135443	19.487	ug/l	99
15) Acrylonitrile	4.96	53	234945	104.541	ug/l	99
16) Acetone	3.80	43	223255	100.809	ug/l	98
17) Carbon Disulfide	4.03	76	96327	17.529	ug/l	99
18) Methyl Acetate	4.30	43	136004	23.033	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	316568	21.418	ug/l	100
20) Methylene Chloride	4.53	84	93796	21.547	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	75431	19.647	ug/l	91
22) Diisopropyl ether	5.93	45	345130	21.174	ug/l	99
23) Vinyl Acetate	5.87	43	1236736	107.061	ug/l	99
24) 1,1-Dichloroethane	5.83	63	186796	20.969	ug/l	99
25) 2-Butanone	6.81	43	329656	102.846	ug/l	98
26) 2,2-Dichloropropane	6.81	77	145800	20.681	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	103835	20.181	ug/l	96
28) Bromochloromethane	7.18	49	94394	21.210	ug/l	97
29) Tetrahydrofuran	7.19	42	204207	103.388	ug/l	99
30) Chloroform	7.36	83	196050	21.048	ug/l	98
31) Cyclohexane	7.64	56	132659	20.535	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	152011	20.578	ug/l	99
36) 1,1-Dichloropropene	7.78	75	120004	19.366	ug/l	98
37) Ethyl Acetate	6.91	43	135150	21.109	ug/l	97
38) Carbon Tetrachloride	7.76	117	120284	21.261	ug/l	98

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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	127543	19.579	ug/l	94
40) Benzene	8.03	78	377463	20.233	ug/l	98
41) Methacrylonitrile	7.16	41	67200m	23.123	ug/l	
42) 1,2-Dichloroethane	8.11	62	160436	21.503	ug/l	100
43) Isopropyl Acetate	8.15	43	239500	22.245	ug/l	98
44) Trichloroethene	8.83	130	91702	20.041	ug/l	99
45) 1,2-Dichloropropane	9.11	63	114891	21.164	ug/l	97
46) Dibromomethane	9.20	93	70117	21.374	ug/l	99
47) Bromodichloromethane	9.40	83	141043	21.531	ug/l	94
48) Methyl methacrylate	9.19	41	111042	20.331	ug/l	100
49) 1,4-Dioxane	9.19	88	36729	397.672	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	715655	112.323	ug/l	99
52) Toluene	10.15	92	235677	20.057	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	141314	20.485	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	160814	21.115	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	109373	21.974	ug/l	96
56) Ethyl methacrylate	10.43	69	153451	20.473	ug/l	99
57) 1,3-Dichloropropane	10.71	76	181462	21.155	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	339012	96.031	ug/l	100
59) 2-Hexanone	10.75	43	500843	104.875	ug/l	99
60) Dibromochloromethane	10.90	129	96770	20.937	ug/l	99
61) 1,2-Dibromoethane	11.00	107	98133	20.855	ug/l	98
64) Tetrachloroethene	10.63	164	74778	20.350	ug/l	98
65) Chlorobenzene	11.43	112	275720	21.169	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	96648	21.385	ug/l	97
67) Ethyl Benzene	11.51	91	482399	21.134	ug/l	100
68) m/p-Xylenes	11.62	106	349841	41.841	ug/l	99
69) o-Xylene	11.95	106	174564	21.001	ug/l	97
70) Styrene	11.97	104	302268	21.130	ug/l	99
71) Bromoform	12.13	173	58862	20.890	ug/l #	99
73) Isopropylbenzene	12.25	105	491420	21.675	ug/l	99
74) N-amyl acetate	12.07	43	201518	20.423	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	159802	20.934	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	142751m	21.597	ug/l	
77) Bromobenzene	12.53	156	115020	20.348	ug/l	97
78) n-propylbenzene	12.60	91	575479	22.104	ug/l	99
79) 2-Chlorotoluene	12.68	91	343821	20.895	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	416508	21.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34534	18.386	ug/l	89
82) 4-Chlorotoluene	12.78	91	353663	20.929	ug/l	99
83) tert-Butylbenzene	13.00	119	365903	21.488	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	425619	21.860	ug/l	99
85) sec-Butylbenzene	13.18	105	495164	21.939	ug/l	99
86) p-Isopropyltoluene	13.29	119	443056	22.279	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	219335	21.140	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	219451	20.837	ug/l	100
89) n-Butylbenzene	13.62	91	405469	21.590	ug/l	99
90) Hexachloroethane	13.88	117	60533	20.467	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	216607	20.897	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26693	21.174	ug/l	99

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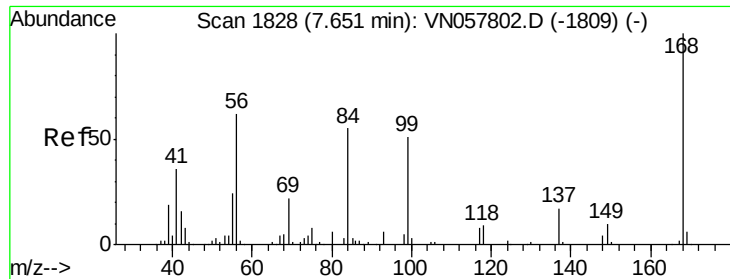
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	134184	19.805	ug/l	97
94) Hexachlorobutadiene	15.01	225	65650	22.859	ug/l	98
95) Naphthalene	15.13	128	374341	20.974	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	130196	22.571	ug/l	97

(#) = 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: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion:168 Resp: 333543

Ion Ratio Lower Upper

168 100

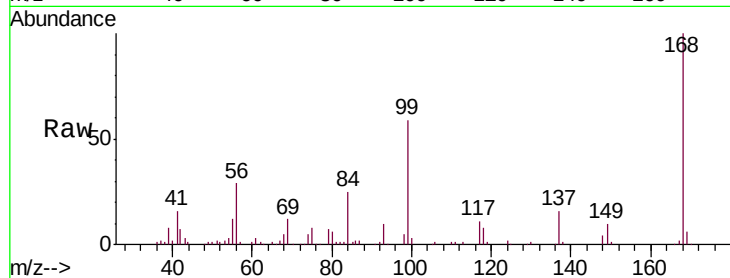
99 57.9 48.0 72.0

Manual Integrations

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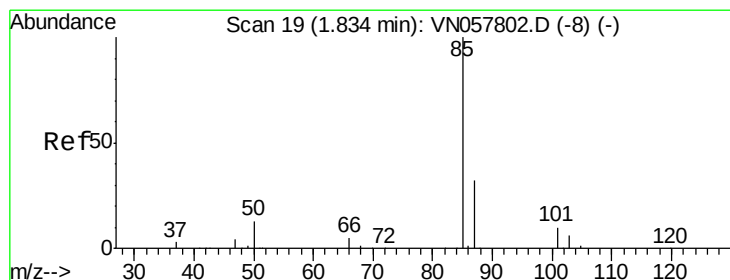
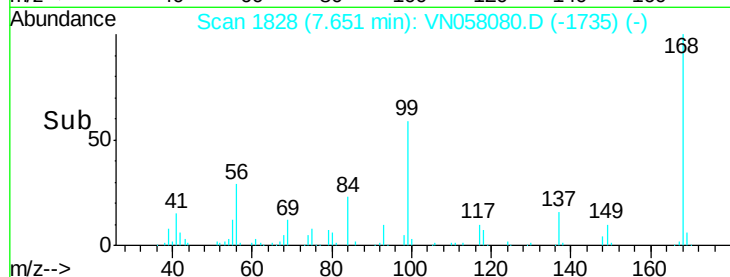
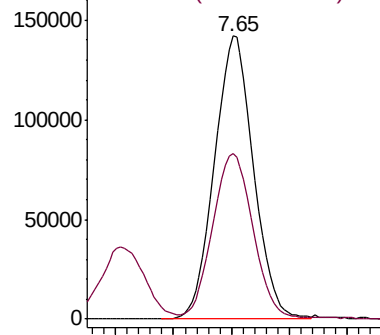
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.968 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058080.D

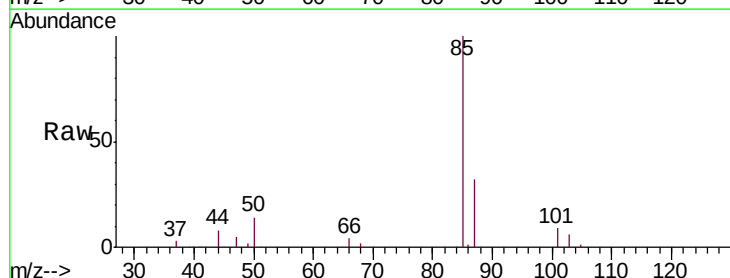
Acq: 15 Sep 2019 10:07

Tgt Ion: 85 Resp: 96720

Ion Ratio Lower Upper

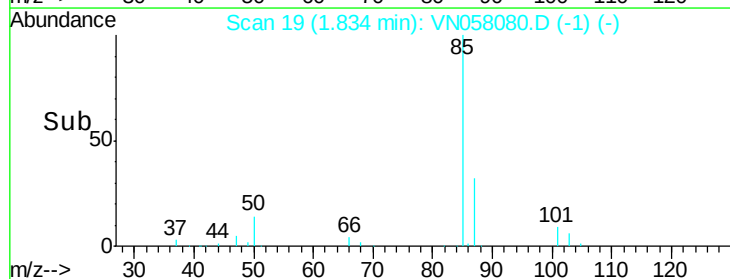
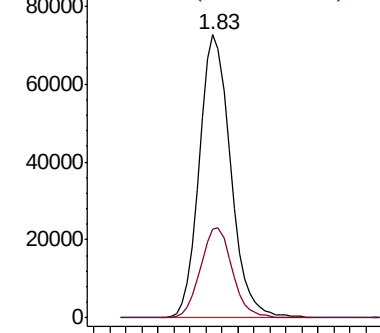
85 100

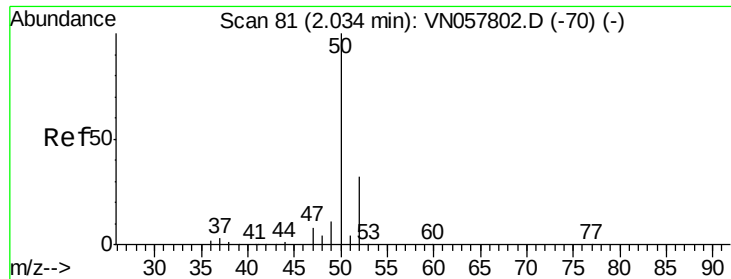
87 31.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.553 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion: 50 Resp: 82523

Ion Ratio Lower Upper

50 100

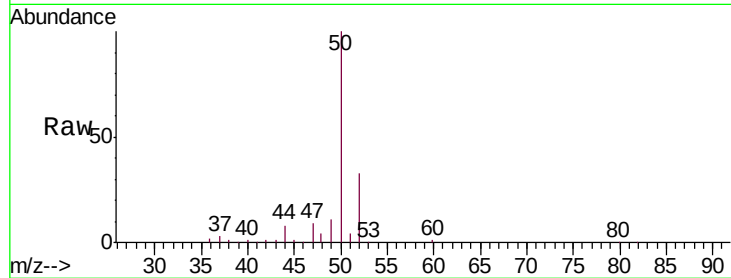
52 32.5 25.5 38.3

Manual Integrations

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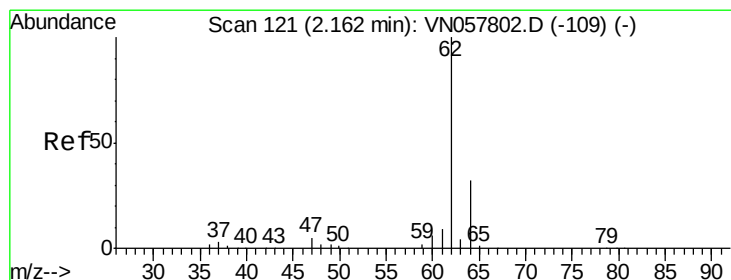
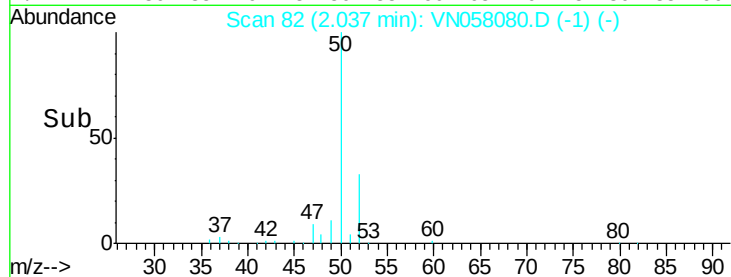
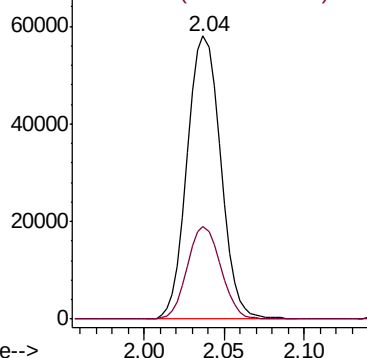
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.251 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058080.D

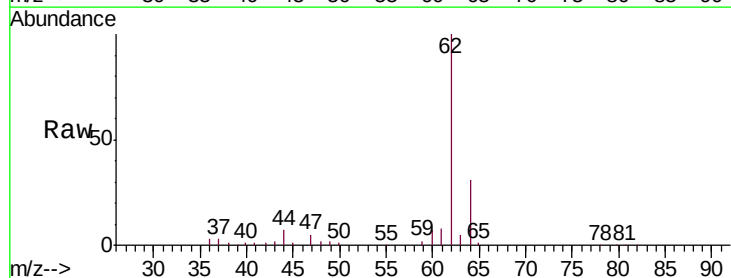
Acq: 15 Sep 2019 10:07

Tgt Ion: 62 Resp: 85838

Ion Ratio Lower Upper

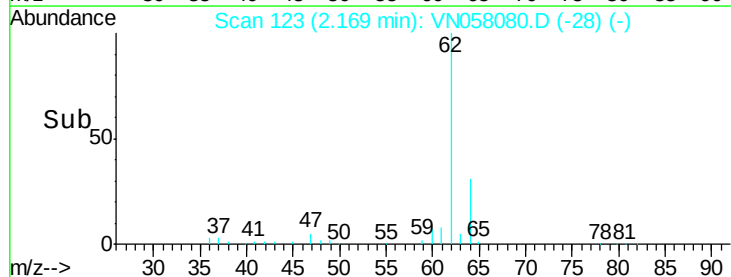
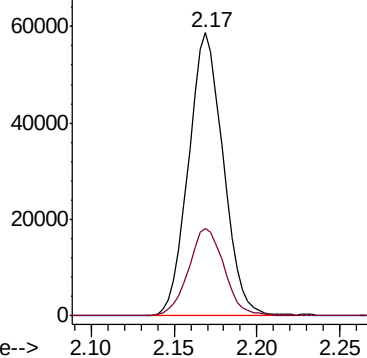
62 100

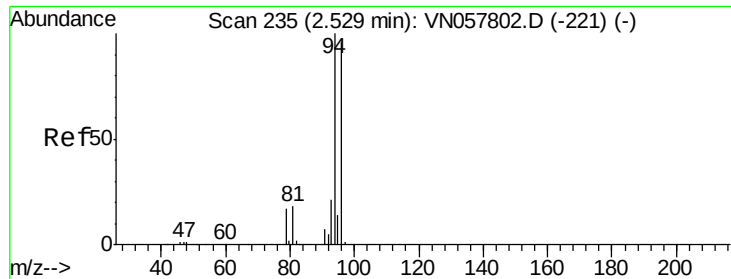
64 31.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 16.544 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion: 94 Resp: 48021

Ion Ratio Lower Upper

94 100

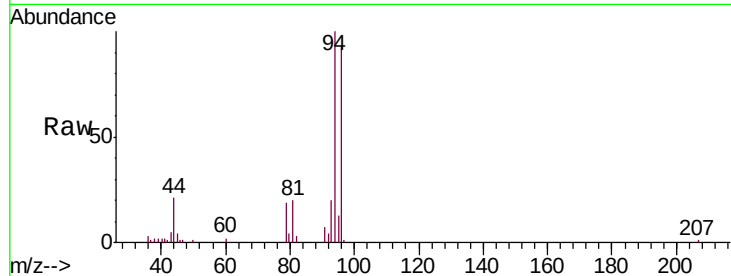
96 92.7 77.0 115.4

Manual Integrations

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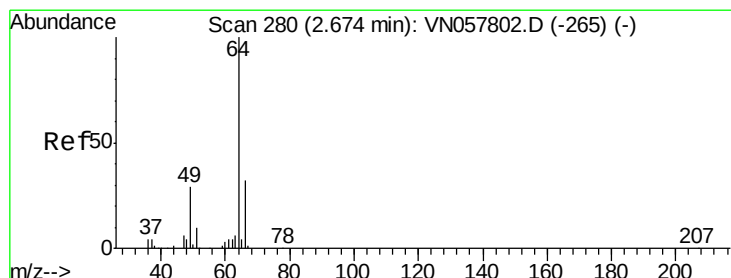
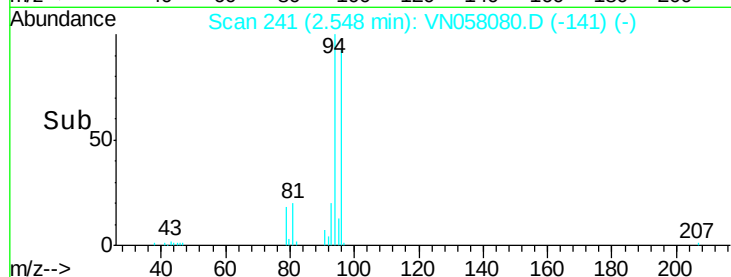
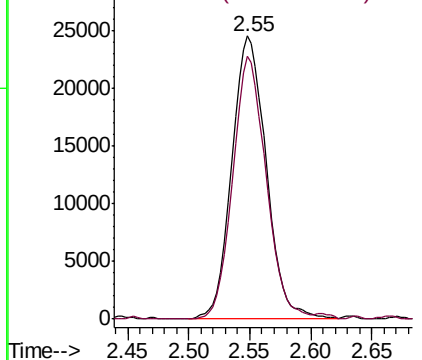
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.000 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058080.D

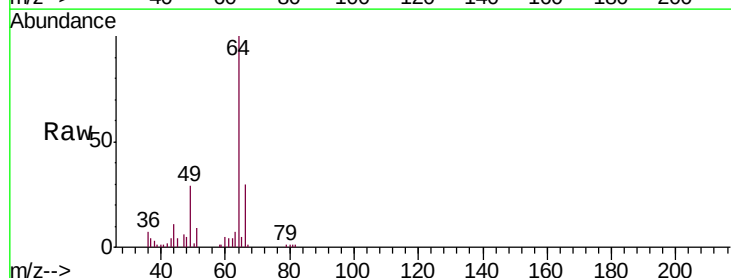
Acq: 15 Sep 2019 10:07

Tgt Ion: 64 Resp: 53902

Ion Ratio Lower Upper

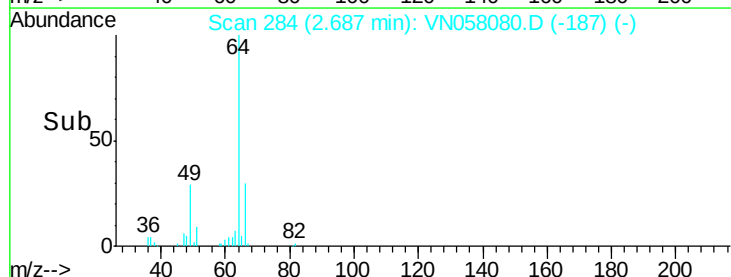
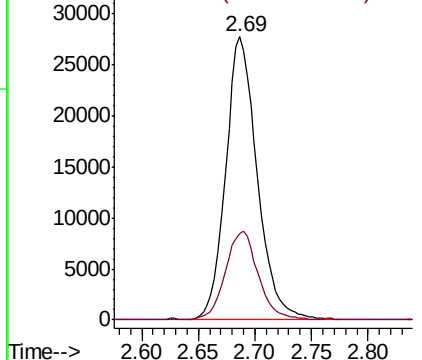
64 100

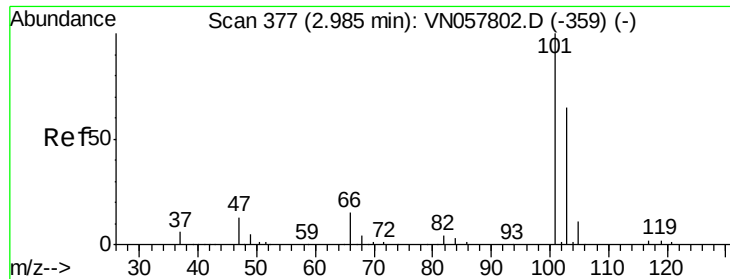
66 30.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

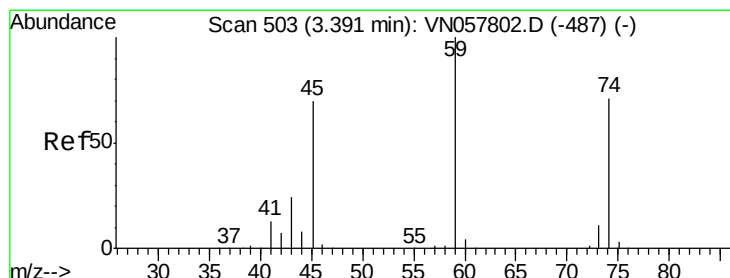
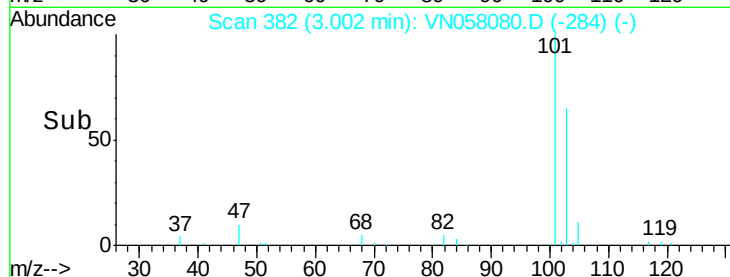
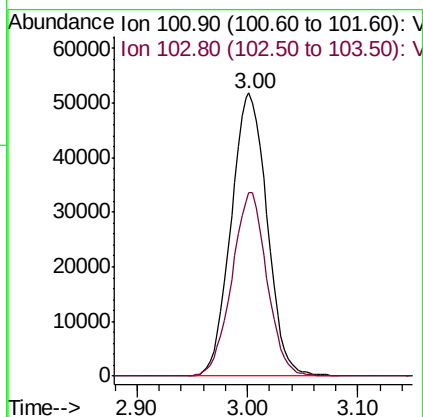
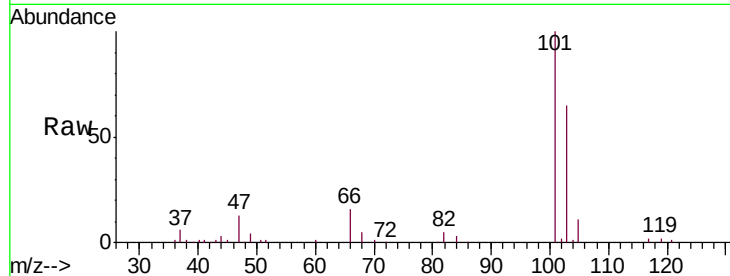
Trichlorofluoromethane
Concen: 18.665 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.02 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion: 101 Resp: 116877
Ion Ratio Lower Upper
101 100
103 65.1 51.9 77.9

Manual Integrations
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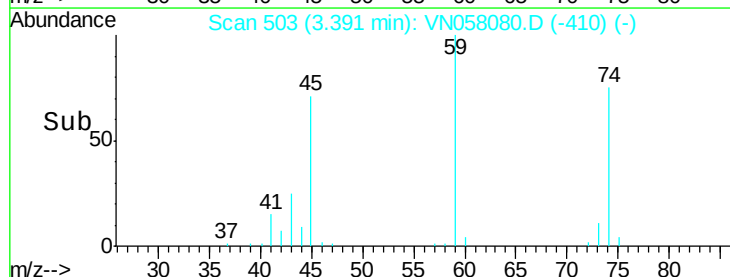
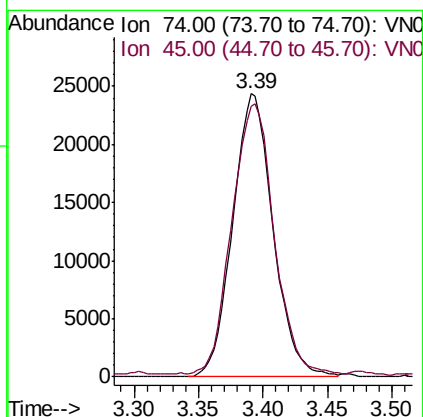
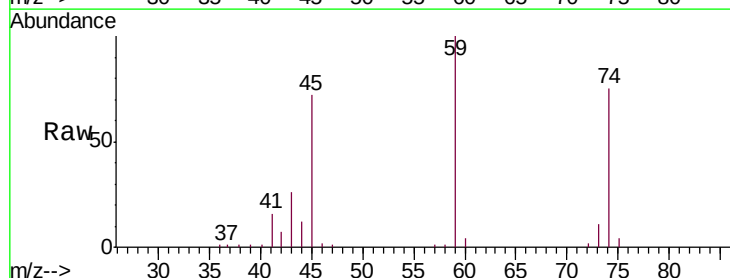
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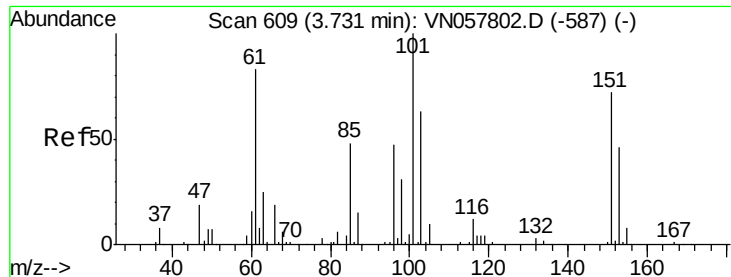


#8

Diethyl Ether
Concen: 20.319 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion: 74 Resp: 53066
Ion Ratio Lower Upper
74 100
45 98.7 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.666 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

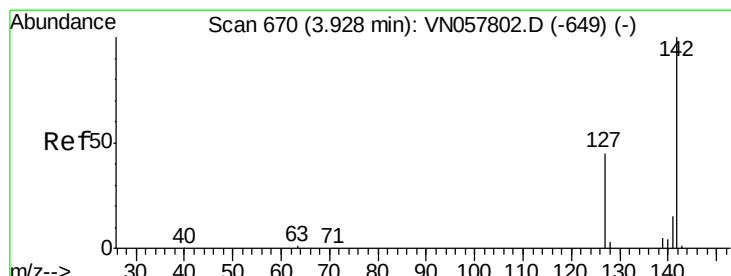
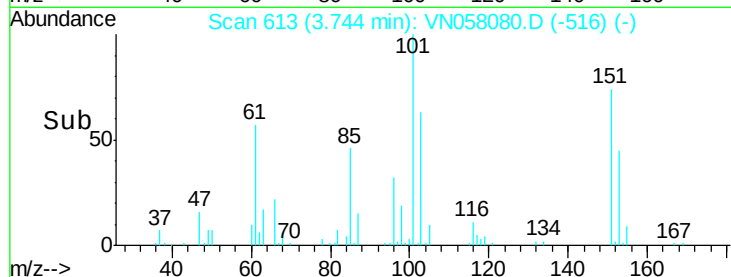
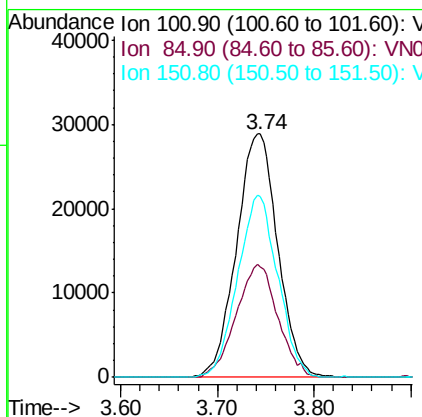
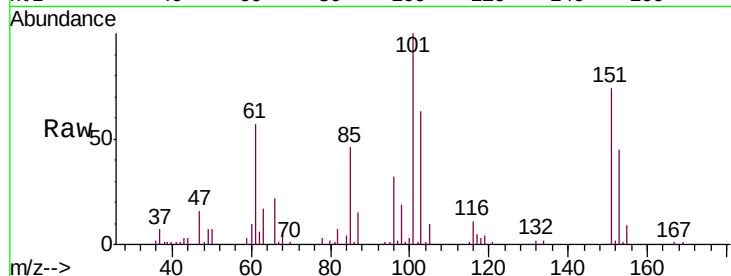
ClientSampleId :

VN0915WBSD01

Tgt Ion:	101	Resp:	85583
Ion Ratio	Lower	Upper	
101	100		
85	46.8	38.1	57.1
151	72.6	58.4	87.6

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#10

Methyl Iodide

Concen: 17.723 ug/l

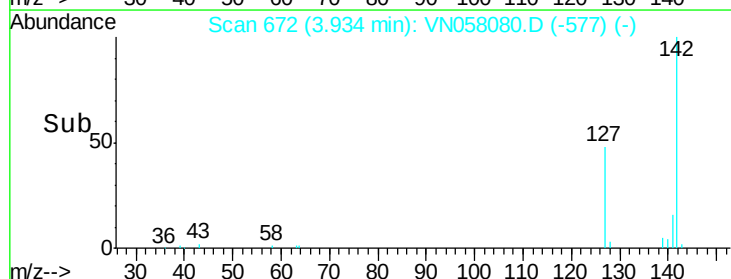
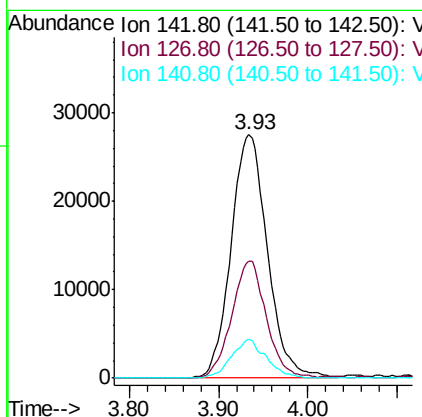
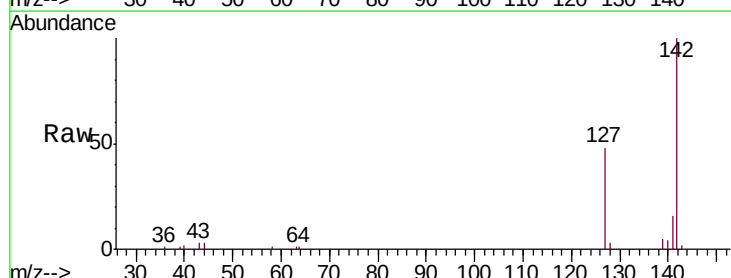
RT: 3.93 min Scan# 672

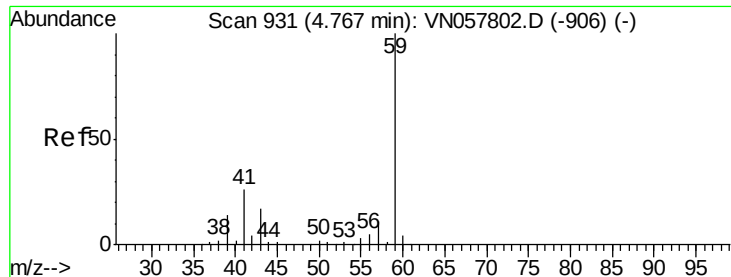
Delta R.T. 0.01 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Tgt Ion:	142	Resp:	77907
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.7	55.1
141	15.2	11.4	17.0





#11

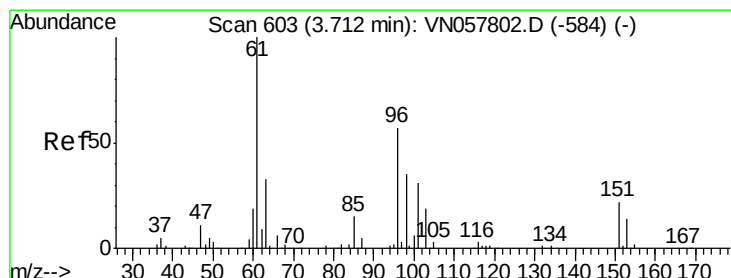
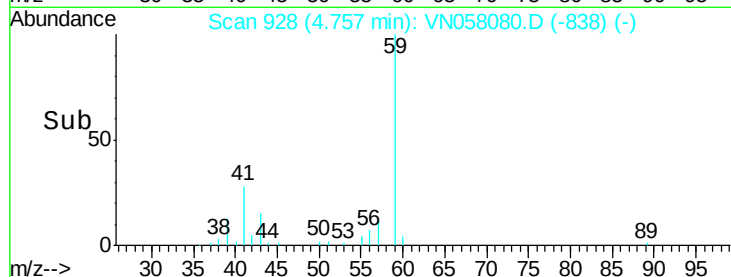
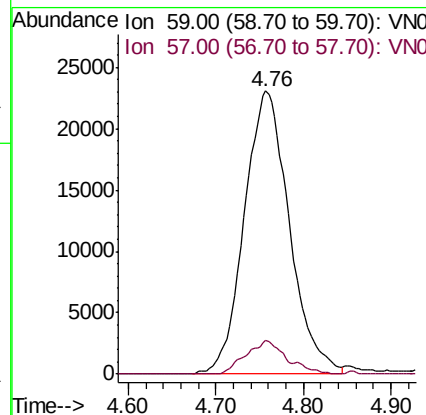
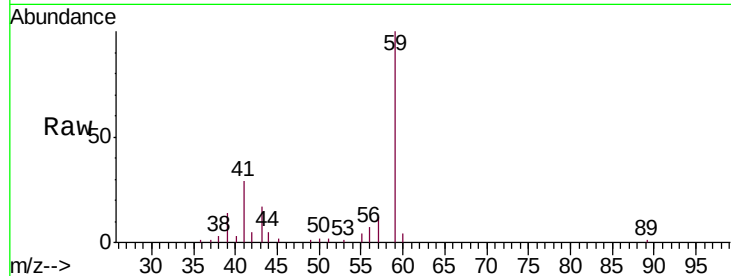
Tert butyl alcohol
Concen: 100.800 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.4	12.6

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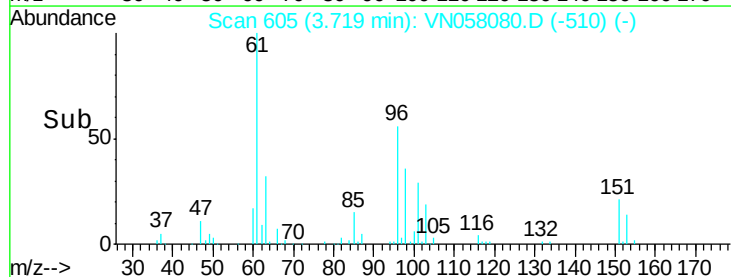
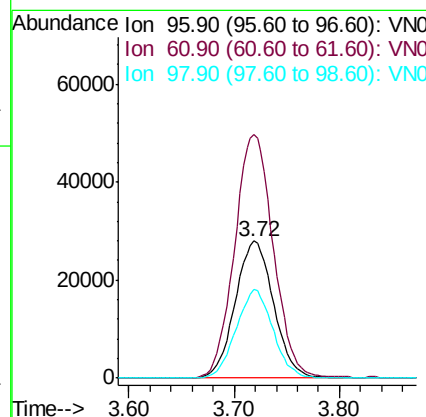
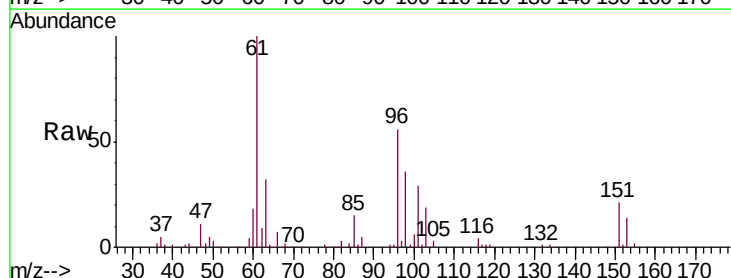
MMDadoda
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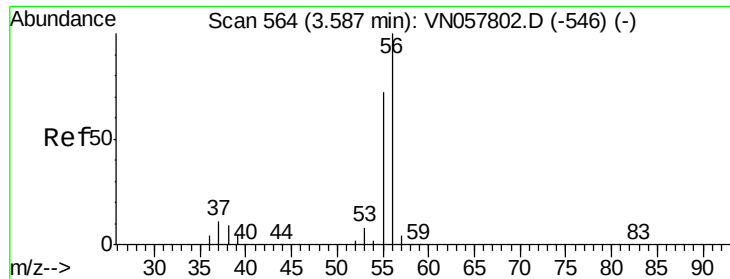


#12

1,1-Dichloroethene
Concen: 19.898 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.01 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.7	141.2	211.8
98	64.4	49.9	74.9





#13

Acrolein

Concen: 16.089 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion: 56 Resp: 11161

Ion Ratio Lower Upper

56 100

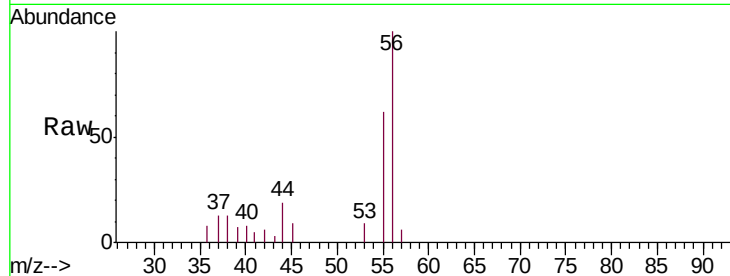
55 74.8 57.3 85.9

Manual Integrations

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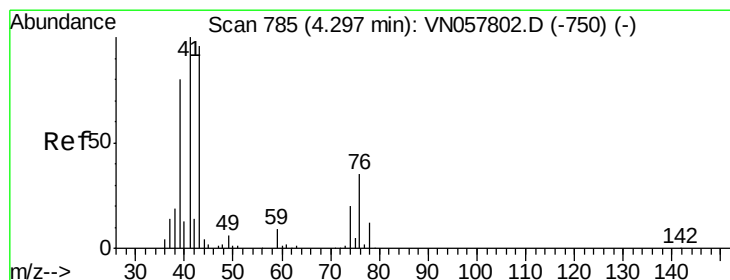
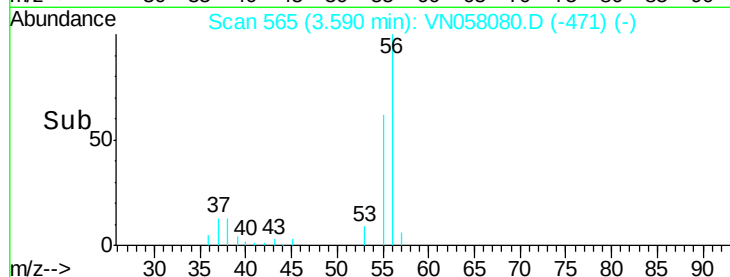
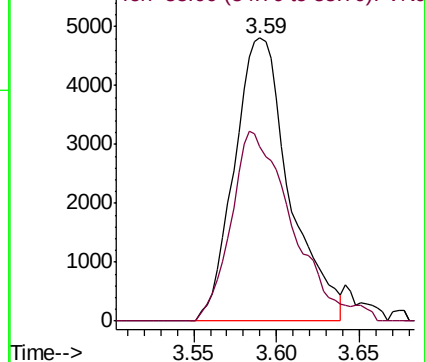
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.487 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

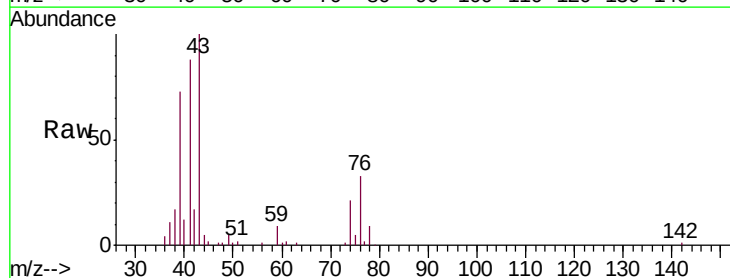
Tgt Ion: 41 Resp: 135443

Ion Ratio Lower Upper

41 100

39 75.9 59.4 89.2

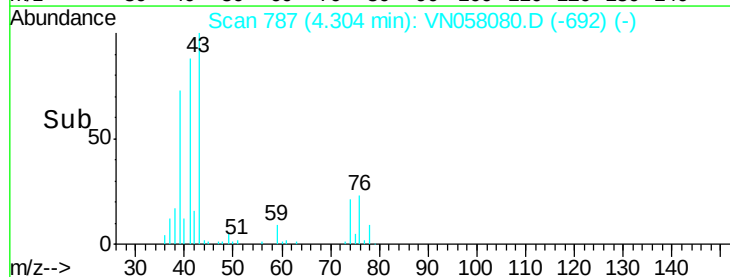
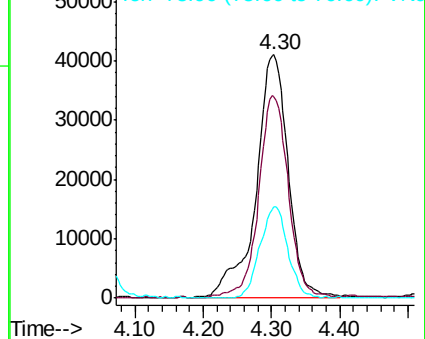
76 32.3 26.0 39.0

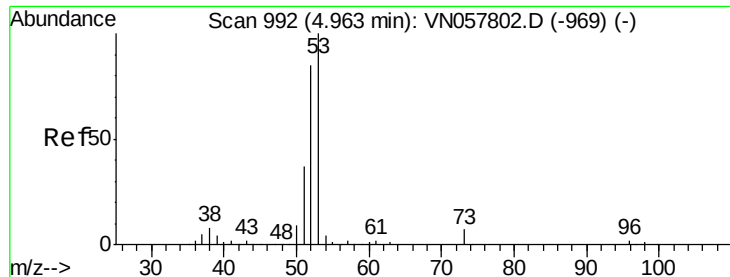


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.541 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

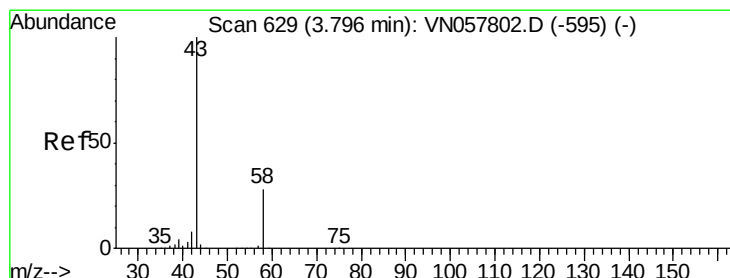
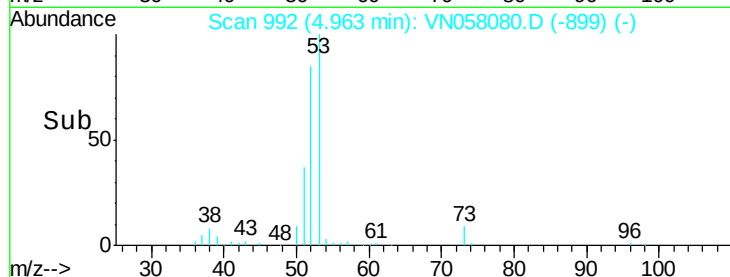
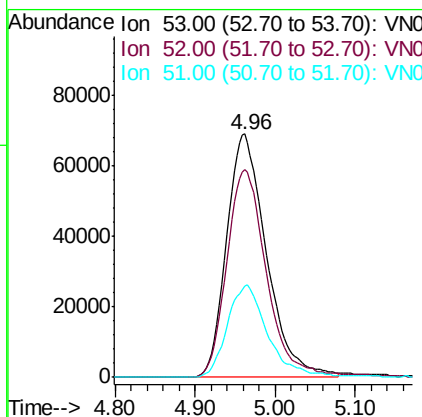
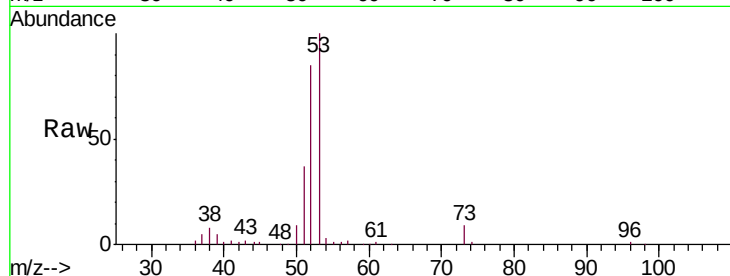
ClientSampleId :

VN0915WBSD01

Tgt Ion:	53	Resp:	234945
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.6	100.0
51	38.2	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 100.809 ug/l

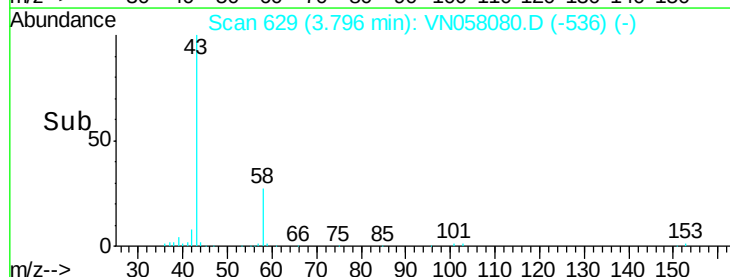
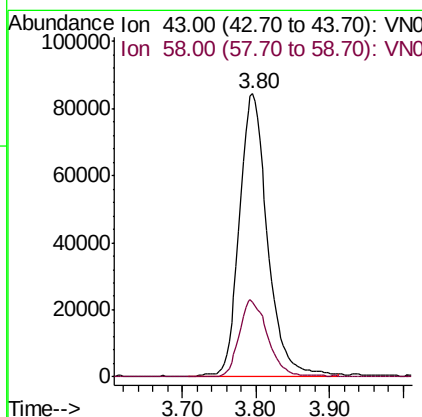
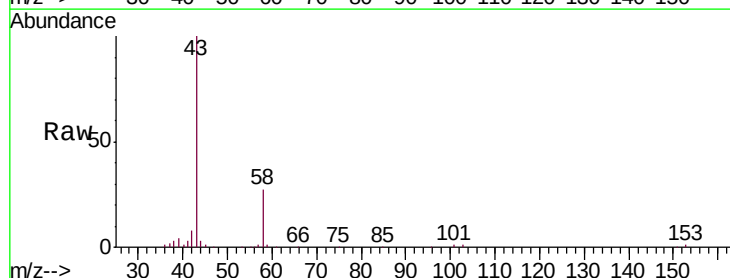
RT: 3.80 min Scan# 629

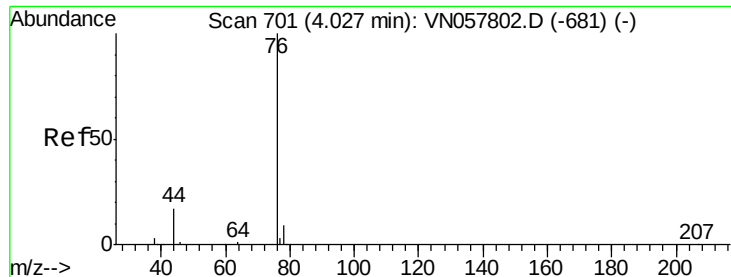
Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Tgt Ion:	43	Resp:	223255
Ion	Ratio	Lower	Upper
43	100		
58	26.6	22.2	33.2





#17

Carbon Disulfide

Concen: 17.529 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion: 76 Resp: 96327

Ion Ratio Lower Upper

76 100

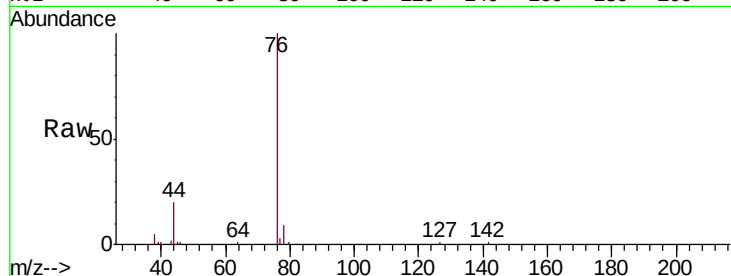
78 9.1 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN057802.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN057802.D (-681) (-)

4.03

30000

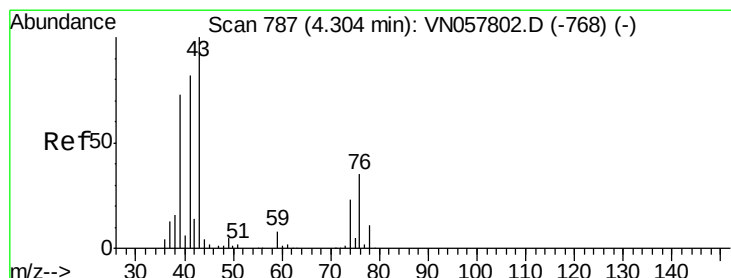
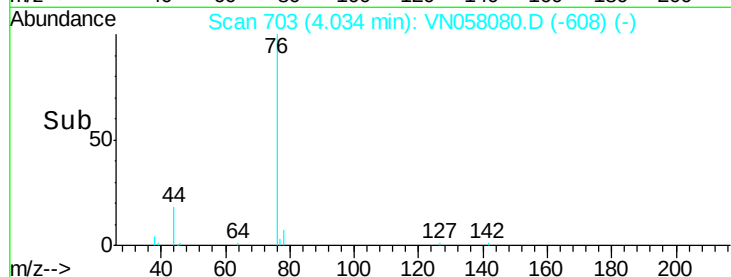
20000

10000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 23.033 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058080.D

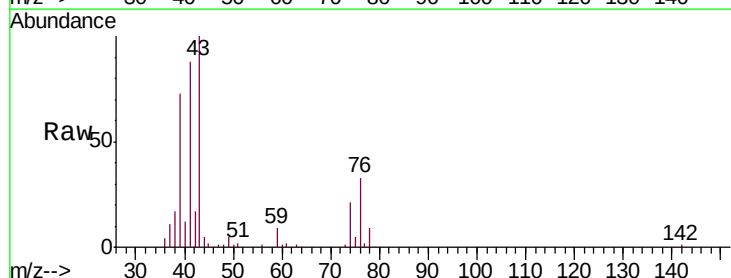
Acq: 15 Sep 2019 10:07

Tgt Ion: 43 Resp: 136004

Ion Ratio Lower Upper

43 100

74 21.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN057802.D (-768) (-)

4.30

50000

40000

30000

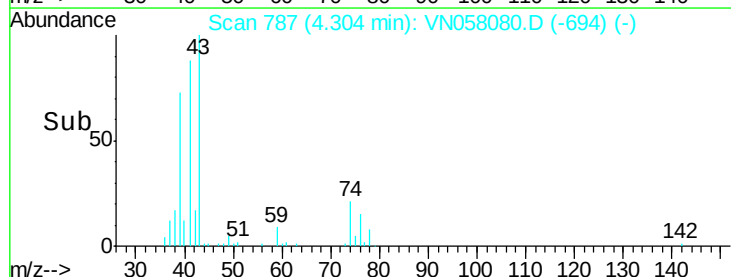
20000

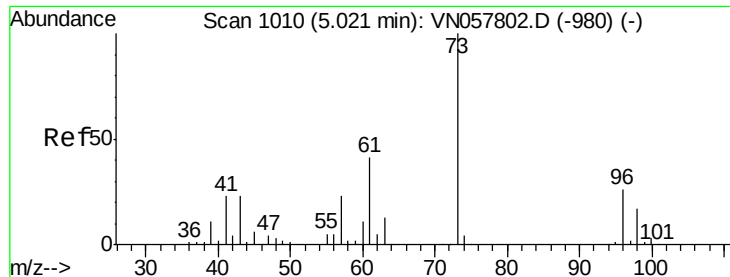
10000

0

4.20 4.30 4.40

Time-->





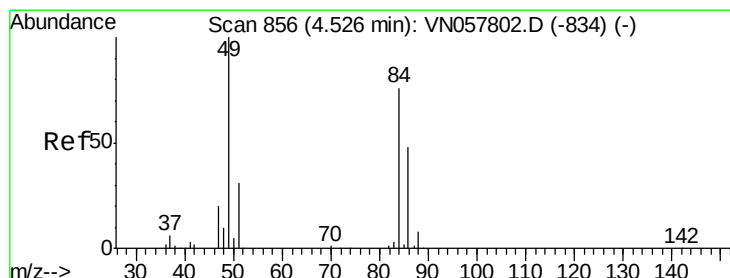
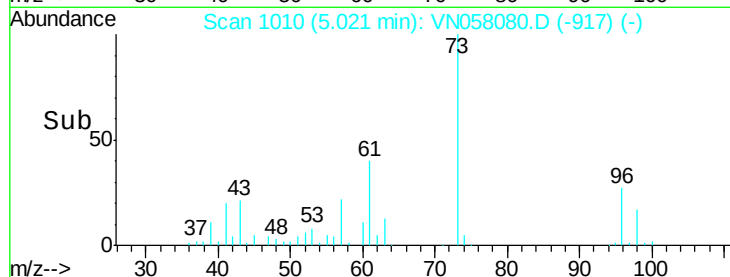
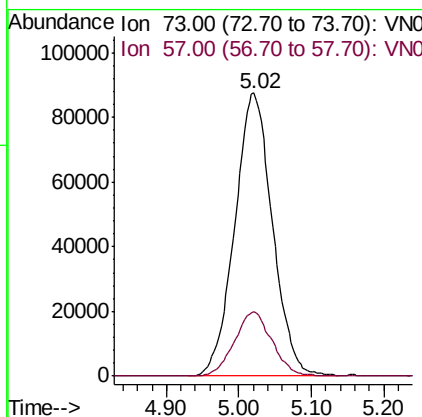
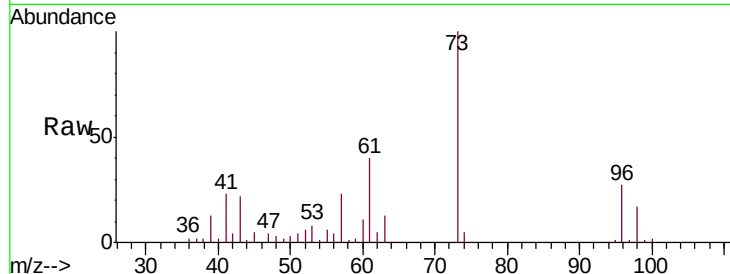
#19
Methyl tert-butyl Ether
Concen: 21.418 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion: 73 Resp: 316568
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

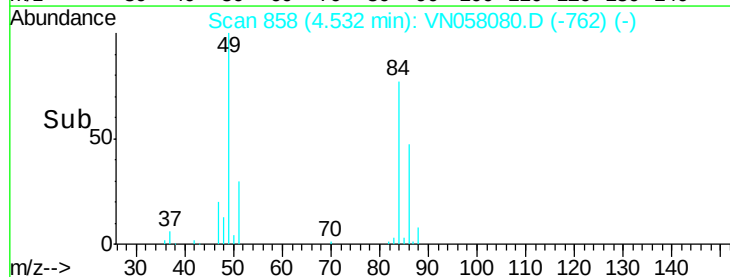
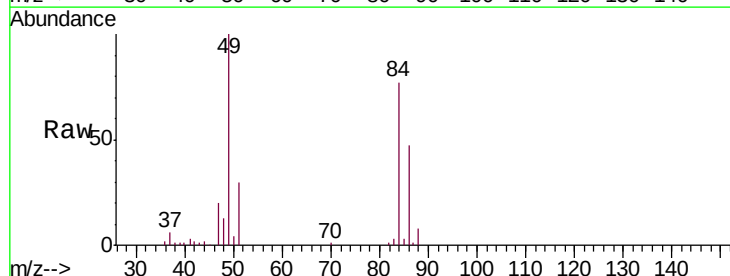
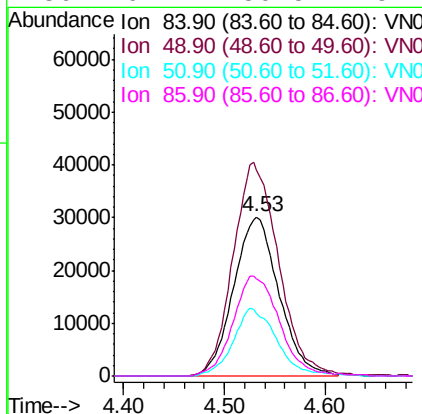
Manual Integrations
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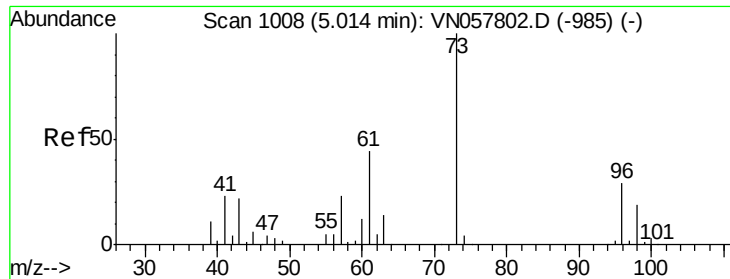
MMDadoda
9/18/2019 1:56:13 PM



#20
Methylene Chloride
Concen: 21.547 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion: 84 Resp: 93796
Ion Ratio Lower Upper
84 100
49 129.7 104.8 157.2
51 39.1 33.0 49.4
86 61.4 50.5 75.7





#21

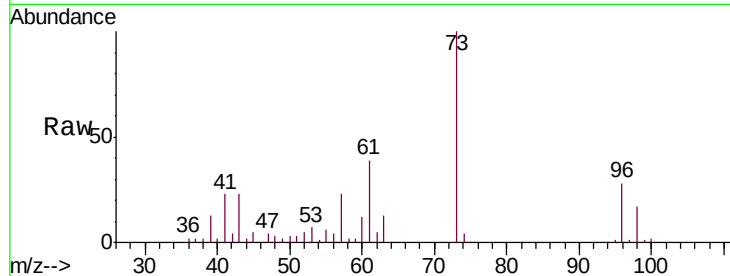
trans-1,2-Dichloroethene
Concen: 19.647 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.6	121.9	182.9
98	60.1	52.2	78.4

Manual Integrations
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9/18/2019 1:56:13 PM

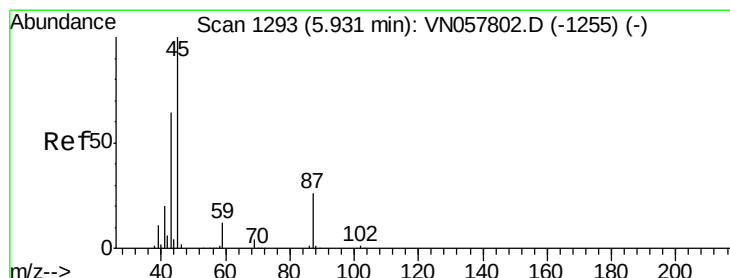
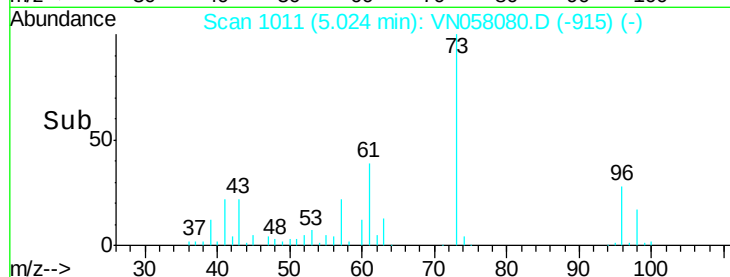
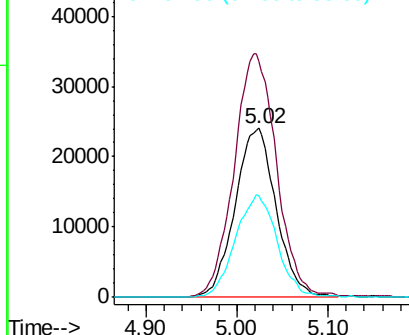


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 21.174 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	51.4	77.2
87	25.8	21.3	31.9
59	10.7	9.3	13.9

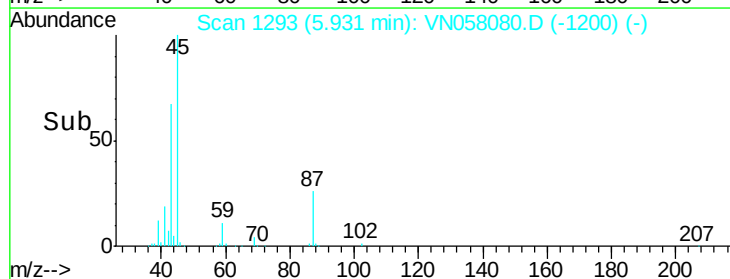
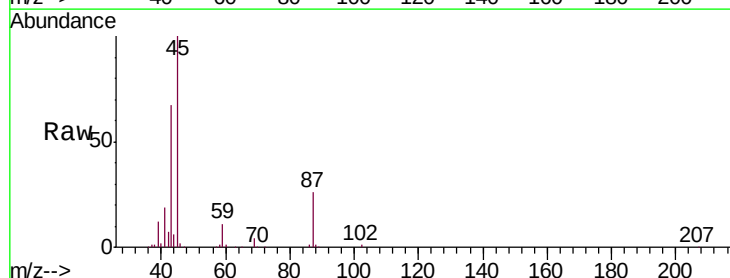
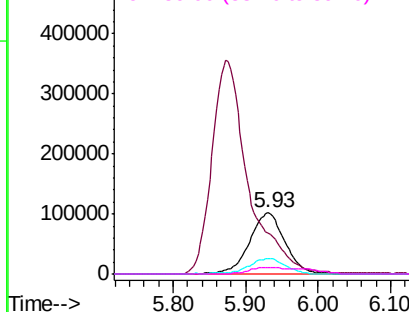
Abundance

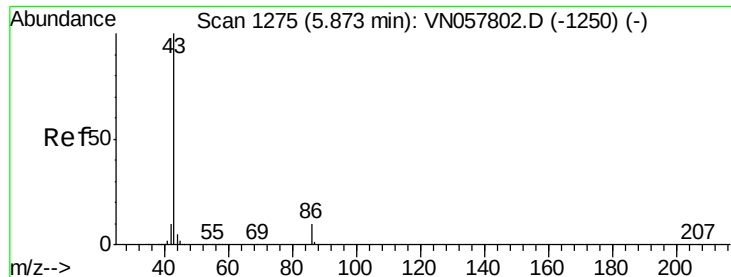
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 107.061 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion: 43 Resp: 1236736

Ion Ratio Lower Upper

43 100

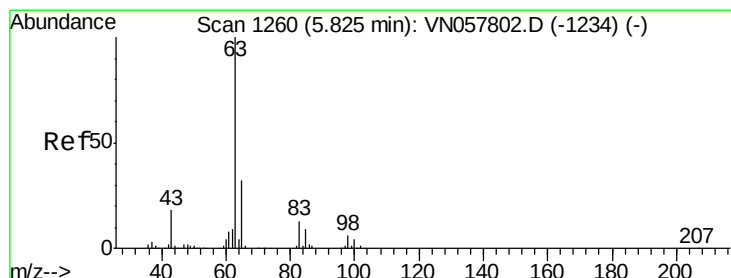
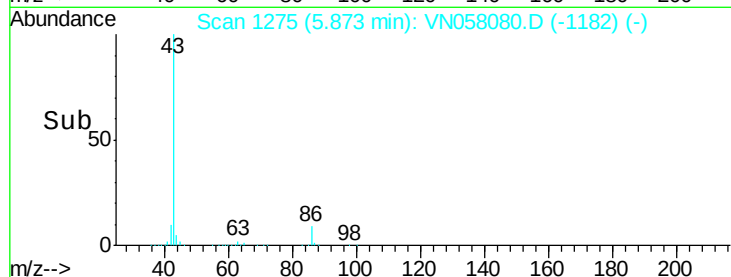
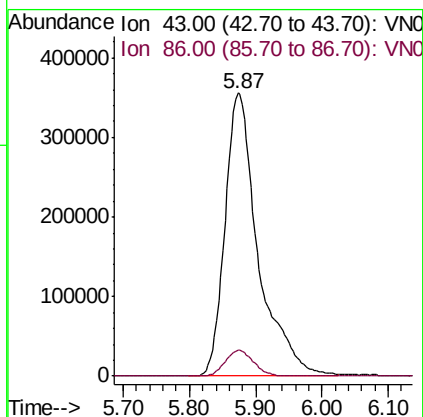
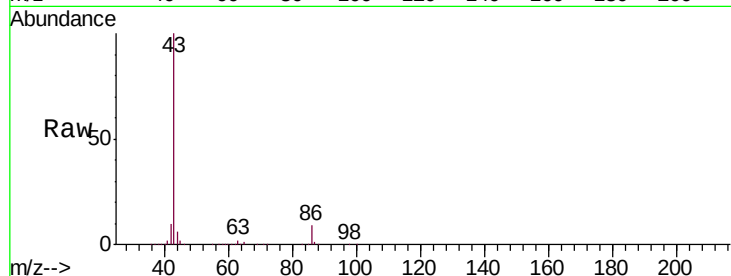
86 9.2 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.969 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

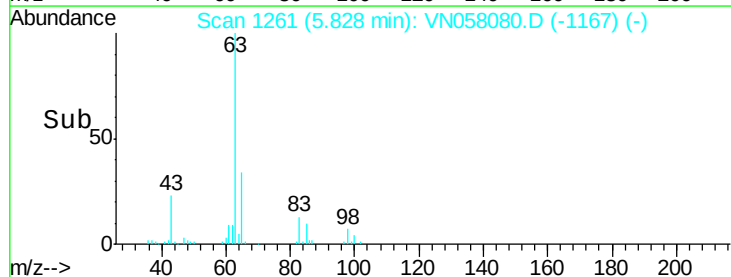
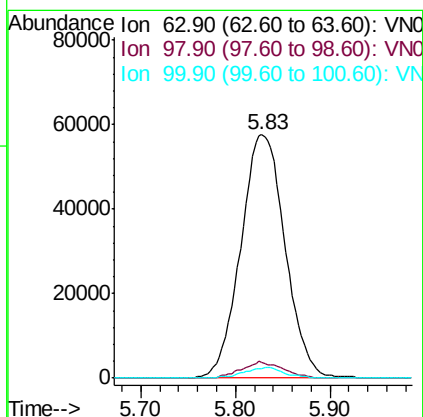
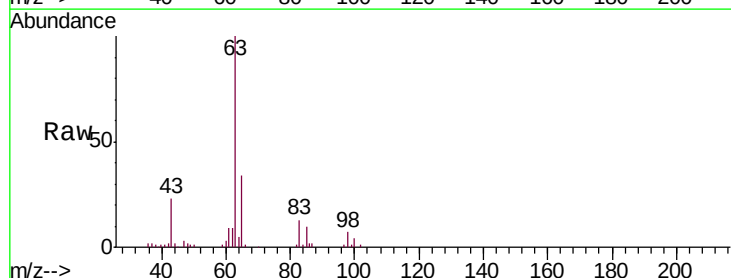
Tgt Ion: 63 Resp: 186796

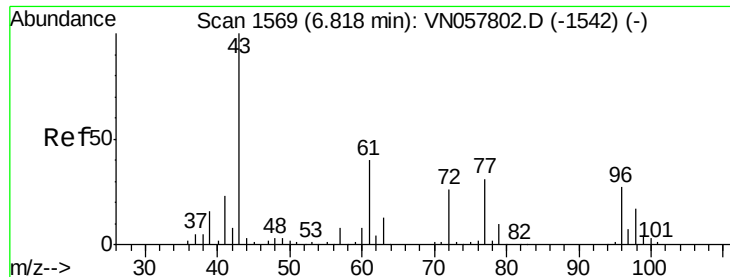
Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 102.846 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion: 43 Resp: 329656

Ion Ratio Lower Upper

43 100

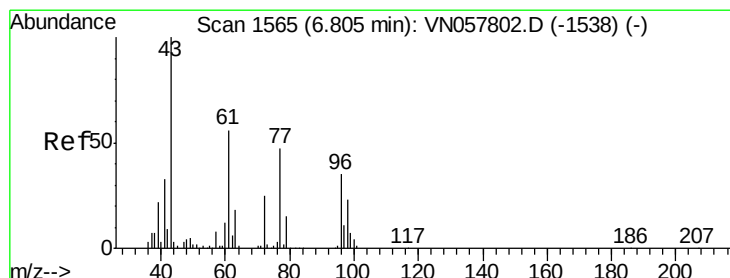
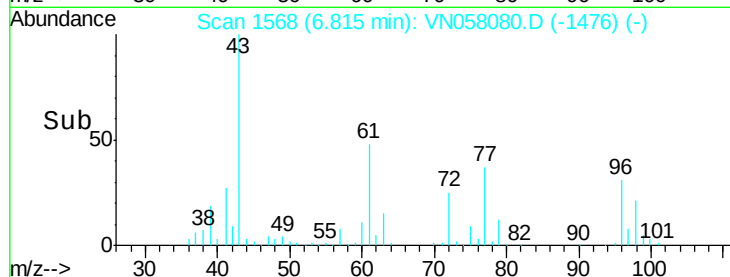
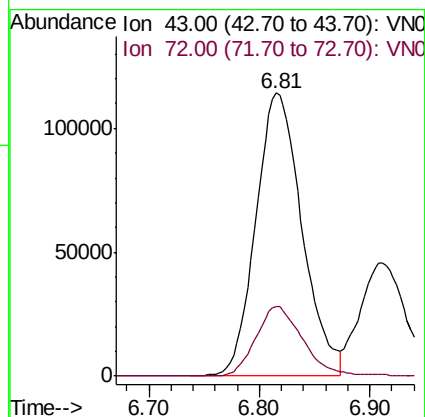
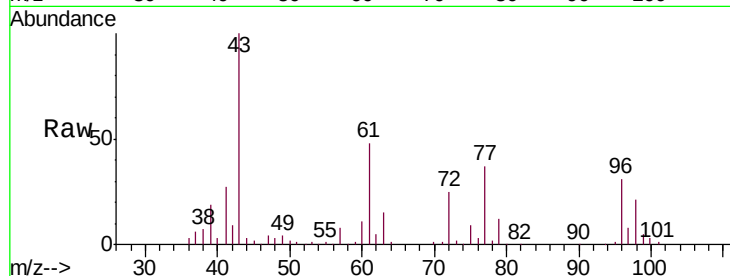
72 24.6 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.681 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058080.D

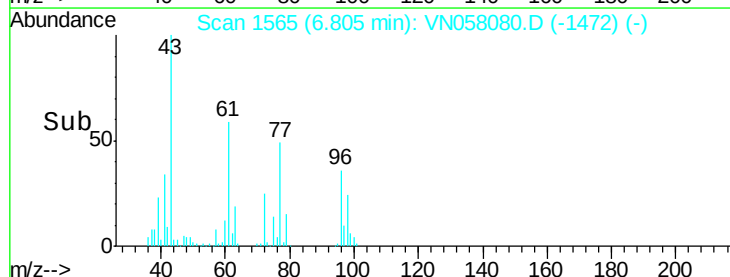
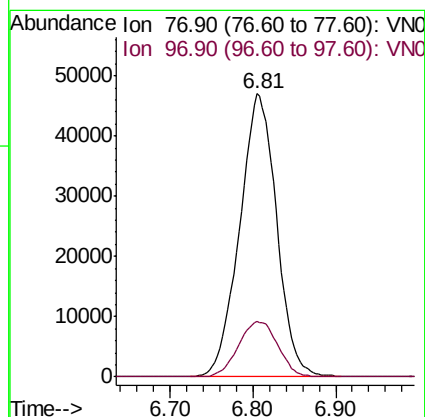
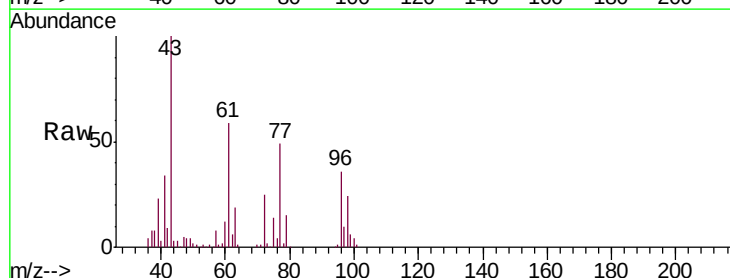
Acq: 15 Sep 2019 10:07

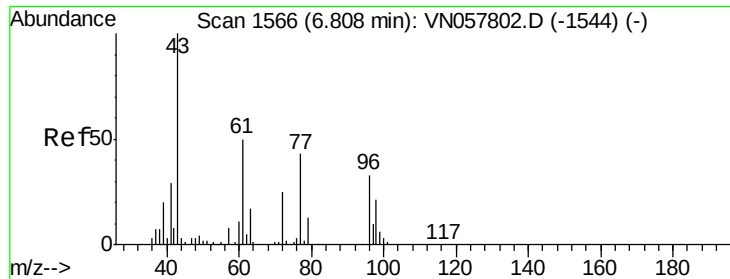
Tgt Ion: 77 Resp: 145800

Ion Ratio Lower Upper

77 100

97 20.8 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 20.181 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

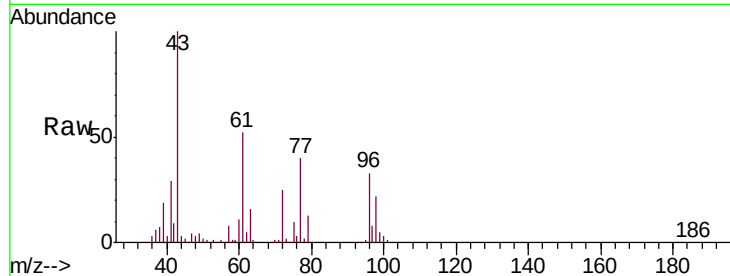
ClientSampleId :

VN0915WBSD01

Tgt Ion:	96	Resp:	103835
Ion Ratio	Lower	Upper	
96	100		
61	162.3	0.0	314.0
98	66.5	0.0	128.6

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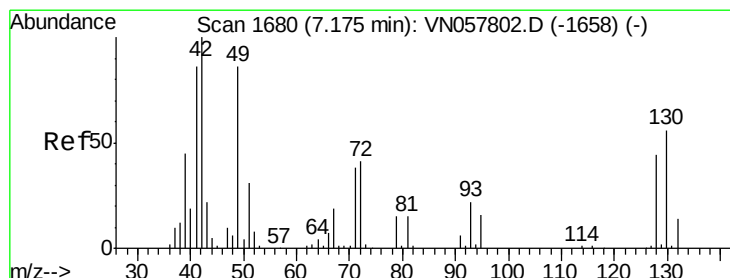
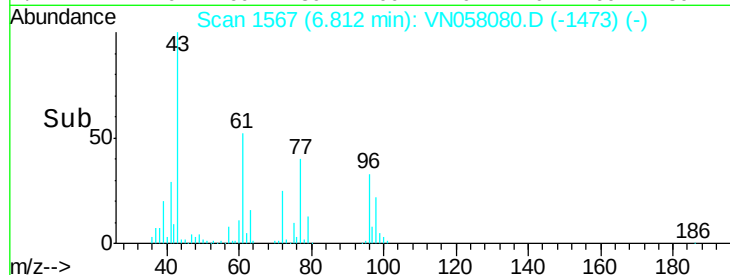
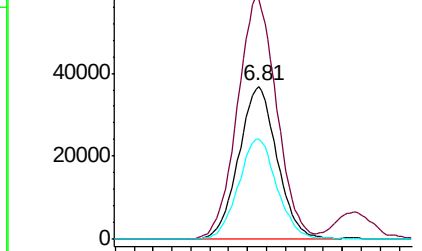
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Abundance Ion 95.90 (95.60 to 96.60): VN057802.D (-1544) (-)

Ion 60.90 (60.60 to 61.60): VN057802.D (-1544) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1544) (-)



#28

Bromochloromethane

Concen: 21.210 ug/l

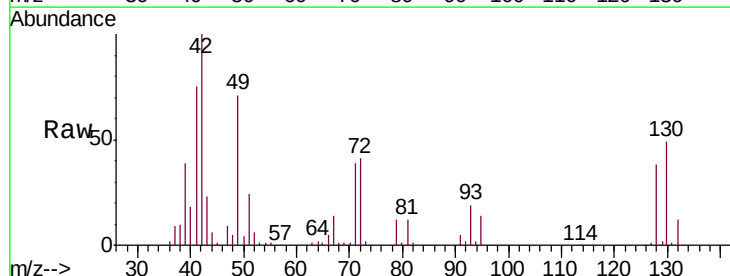
RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

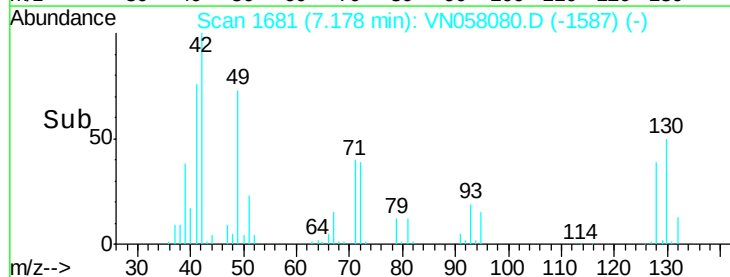
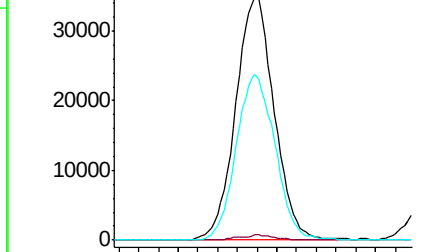
Tgt Ion:	49	Resp:	94394
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	68.4	53.0	79.6

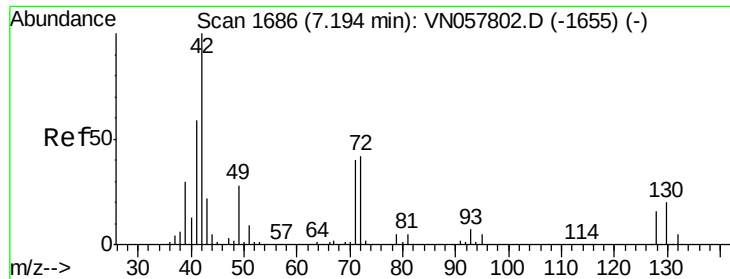


Abundance Ion 48.90 (48.60 to 49.60): VN057802.D (-1658) (-)

Ion 128.80 (128.50 to 129.50): VN057802.D (-1658) (-)

Ion 129.80 (129.50 to 130.50): VN057802.D (-1658) (-)





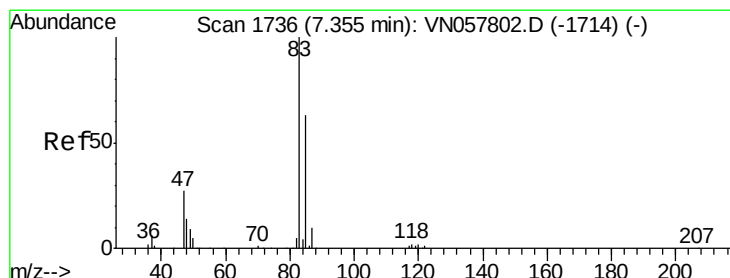
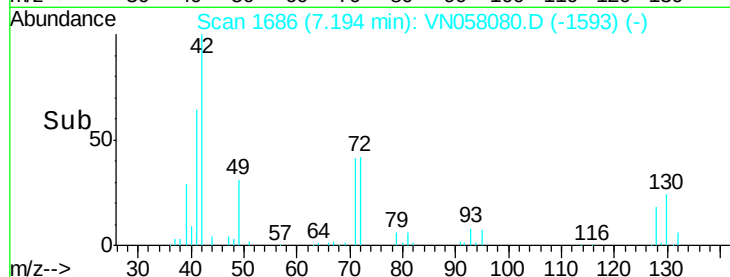
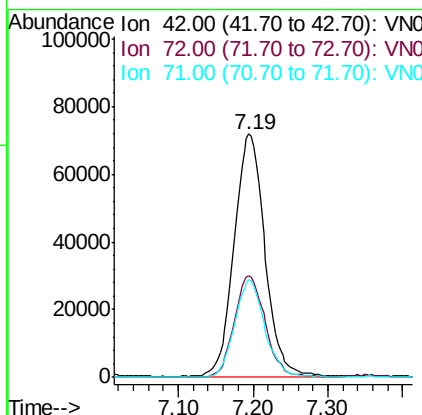
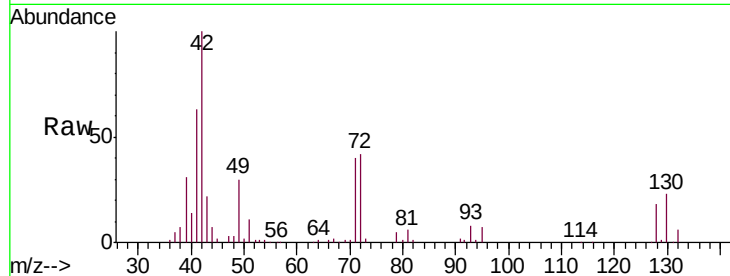
#29
Tetrahydrofuran
Concen: 103.388 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	39.6	31.9	47.9

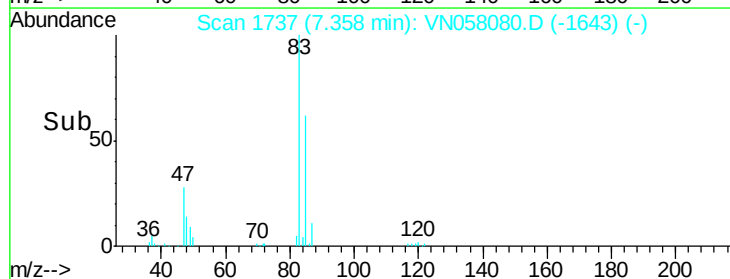
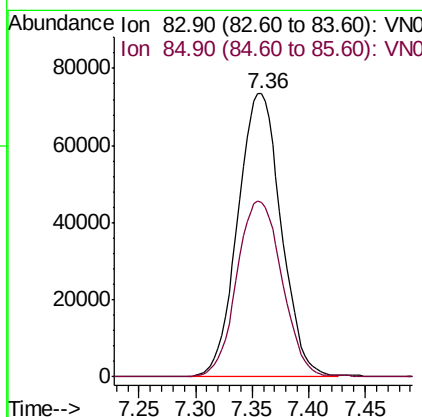
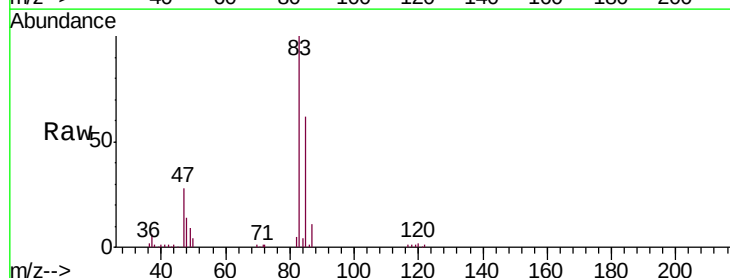
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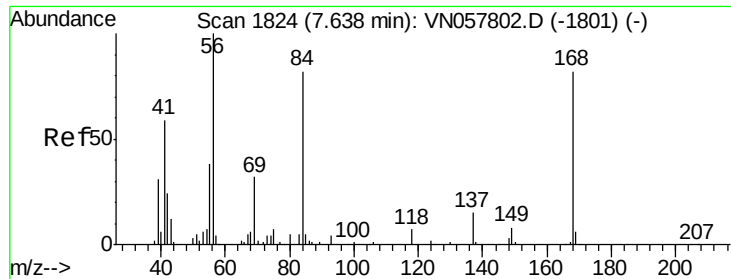
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#30
Chloroform
Concen: 21.048 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.6	75.8





#31

Cyclohexane

Concen: 20.535 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampled :

VN0915WBSD01

Tgt Ion: 56 Resp: 132659
Ion Ratio Lower Upper

56 100

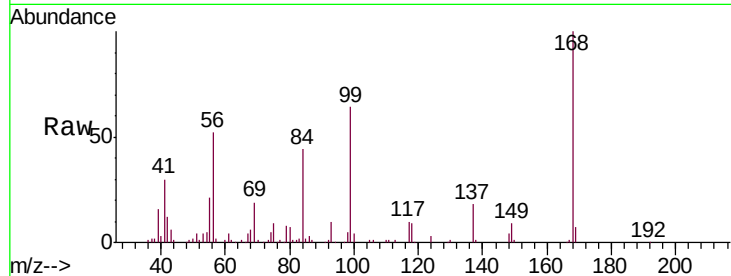
69 37.2 25.9 38.9

84 83.4 65.6 98.4

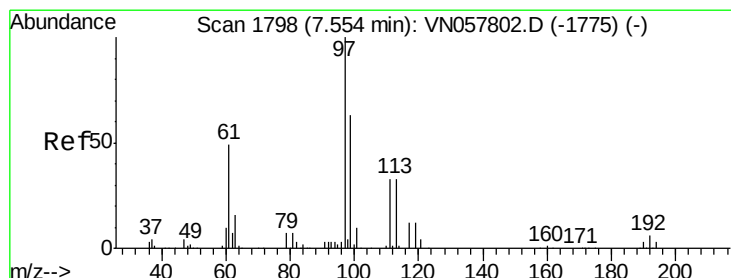
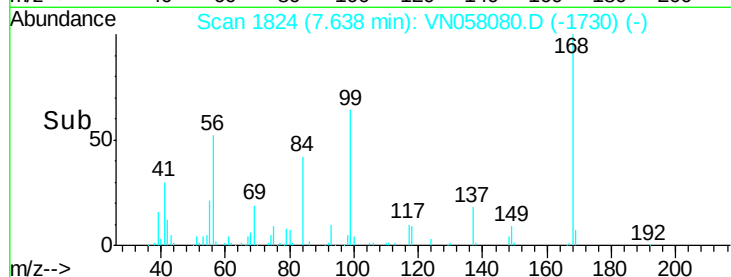
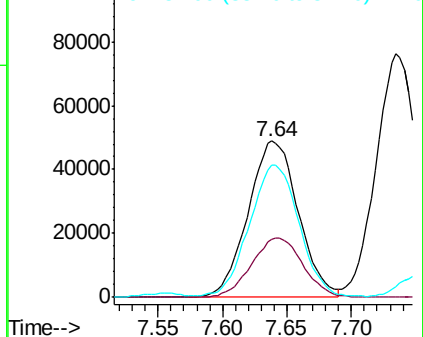
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 20.578 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058080.D

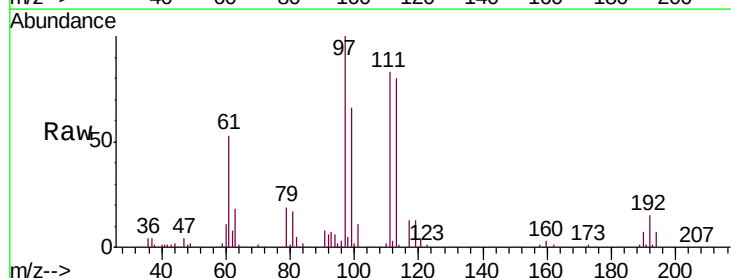
Acq: 15 Sep 2019 10:07

Tgt Ion: 97 Resp: 152011
Ion Ratio Lower Upper

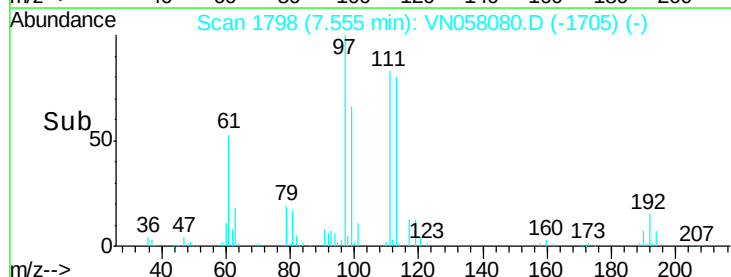
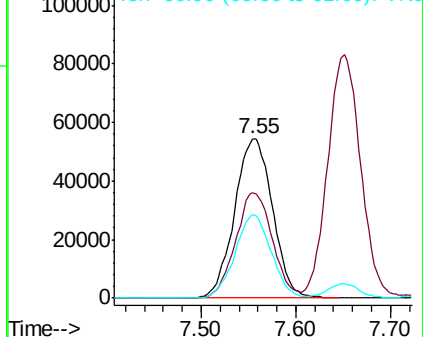
97 100

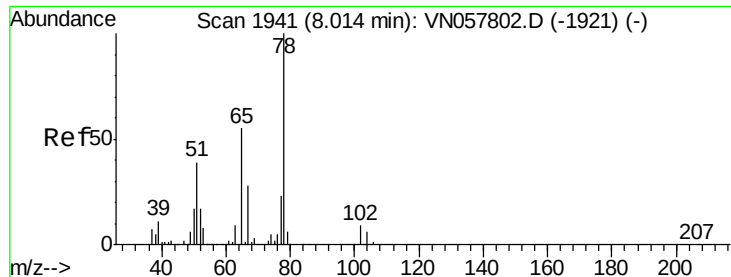
99 64.1 51.0 76.4

61 49.9 39.0 58.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





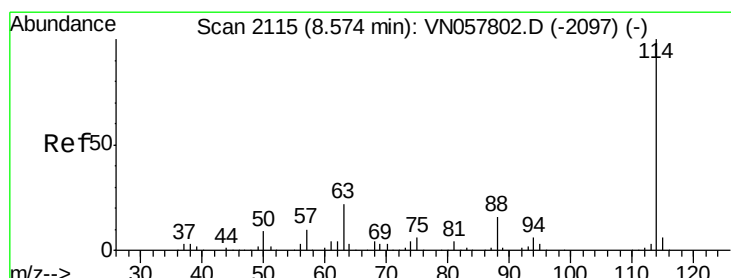
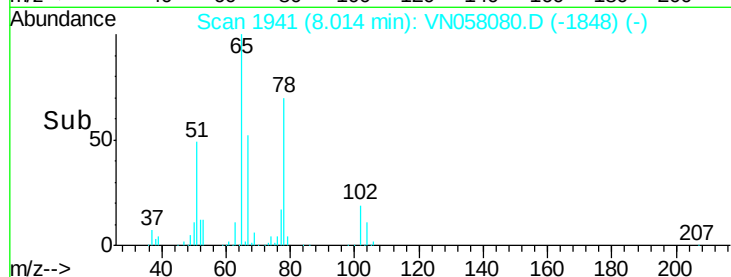
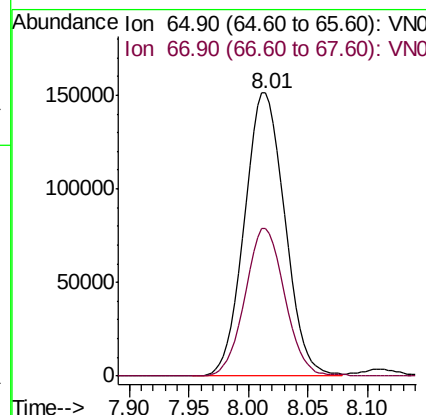
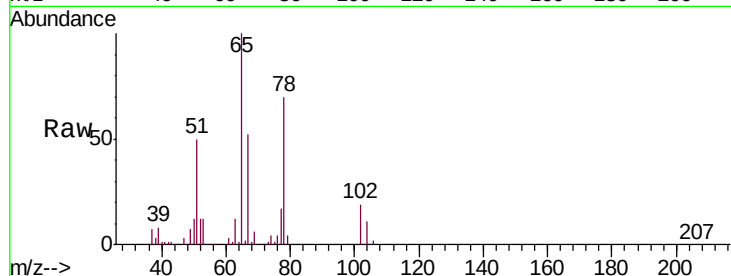
#33
 1,2-Dichloroethane-d4
 Concen: 52.781 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	356568		
67	51.2	0.0	104.0	

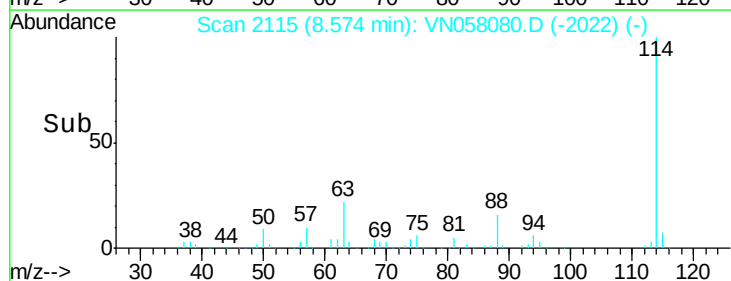
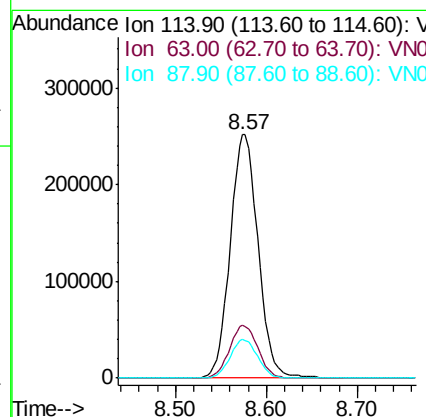
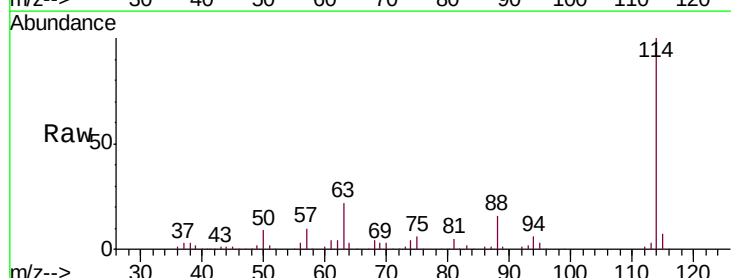
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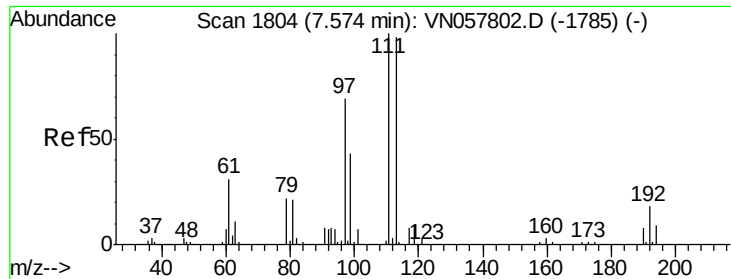
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	534322		
63	21.8	0.0	44.0	
88	15.9	0.0	31.4	





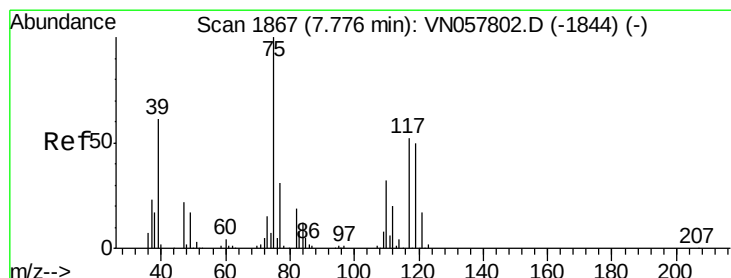
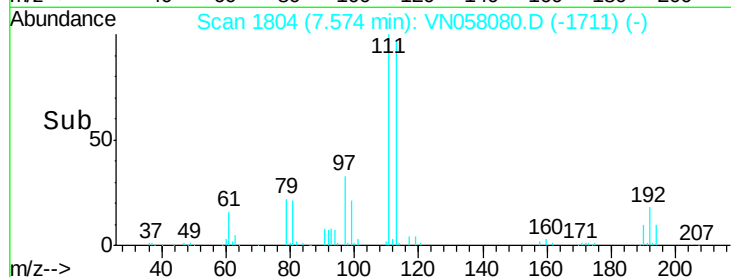
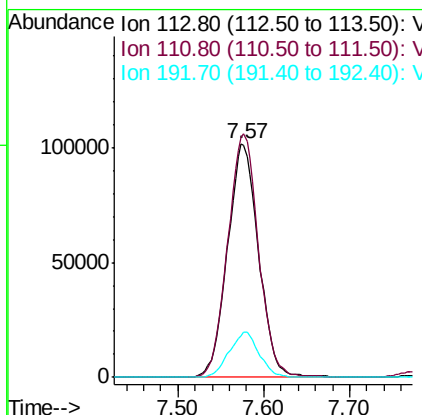
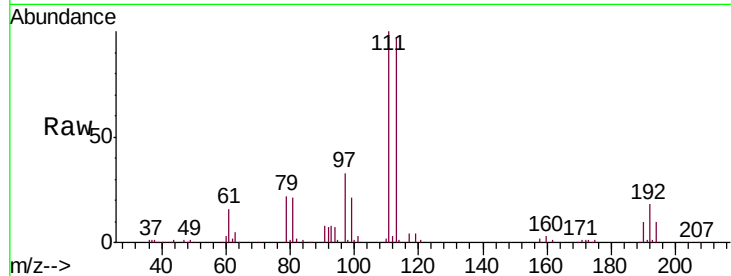
#35
 Dibromofluoromethane
 Concen: 51.734 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	255130		
111	103.2	81.3	121.9	
192	18.7	14.6	22.0	

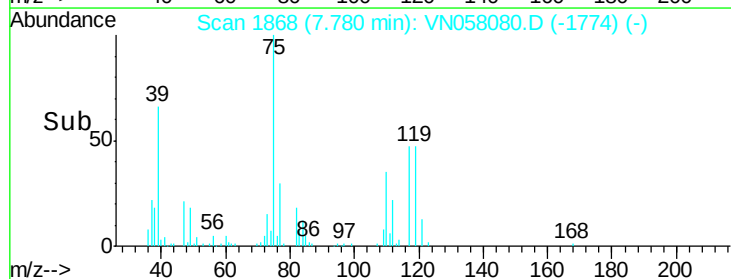
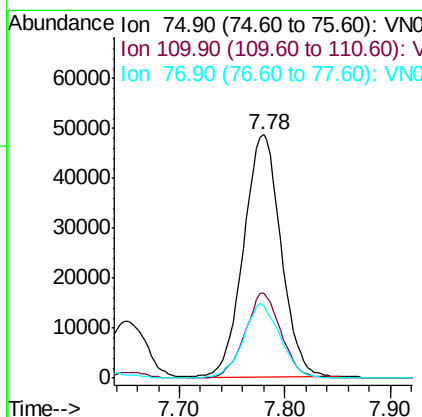
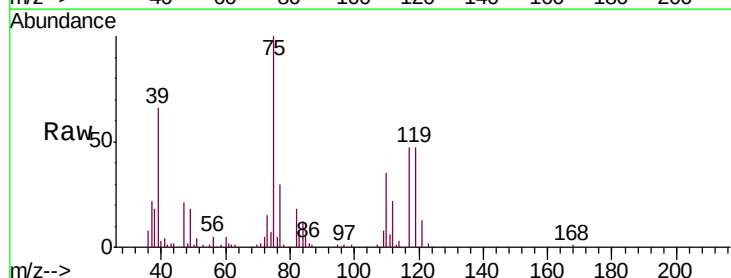
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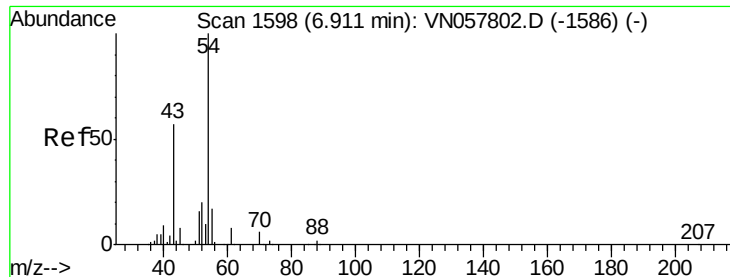
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#36
 1,1-Dichloropropene
 Concen: 19.366 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120004		
110	34.0	16.3	48.9	
77	30.6	25.0	37.4	





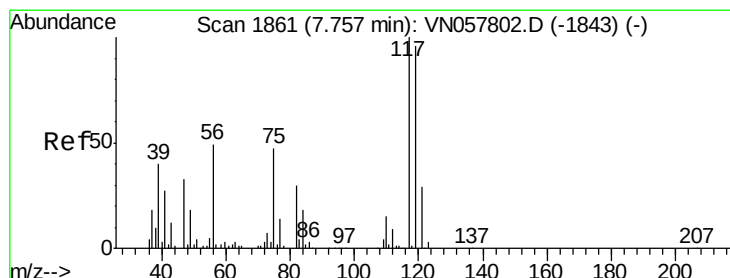
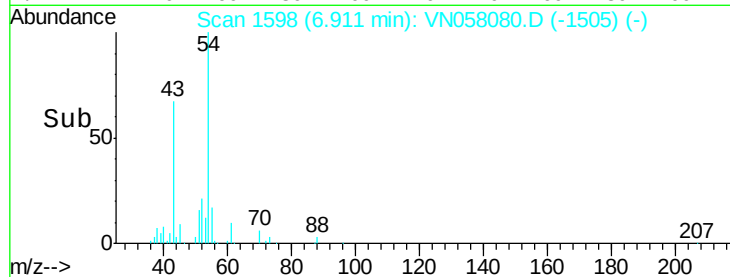
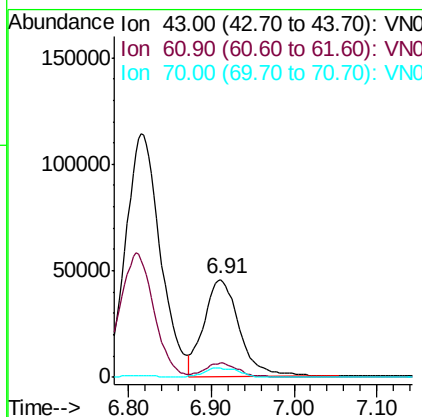
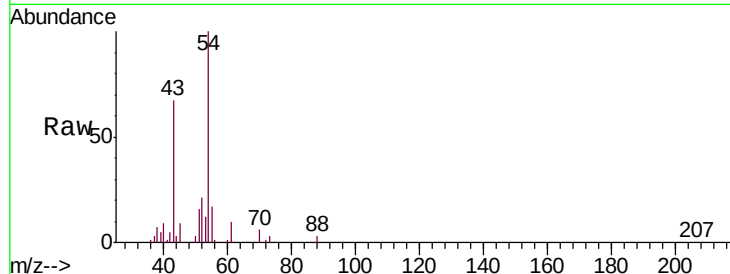
#37
Ethyl Acetate
Concen: 21.109 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.5	15.7
70	10.0	7.4	11.0

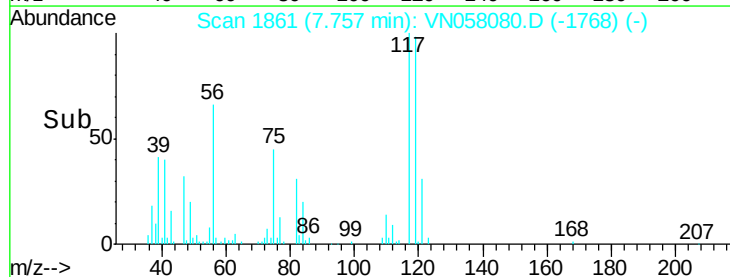
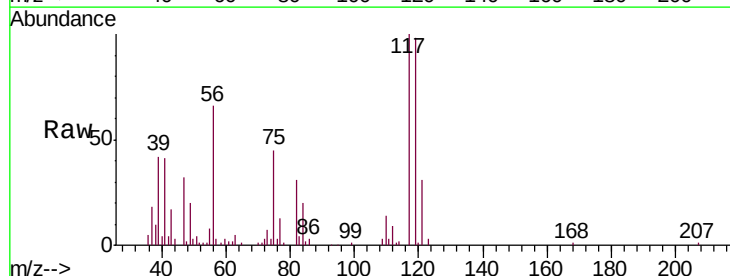
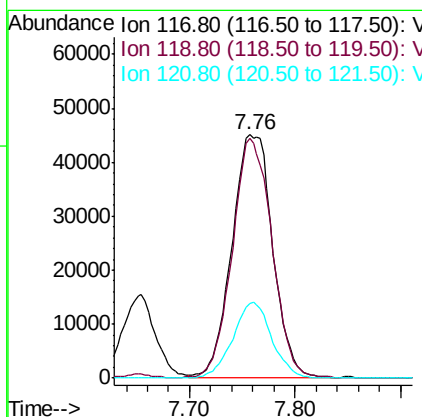
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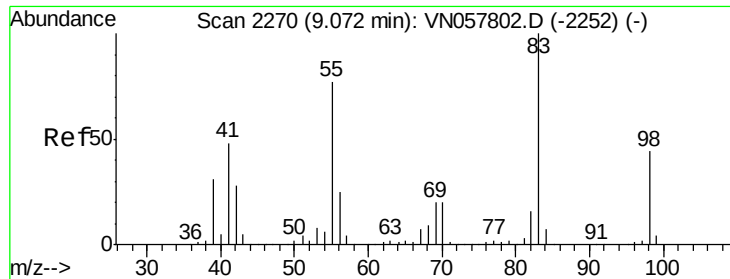
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#38
Carbon Tetrachloride
Concen: 21.261 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.9	115.3
121	30.9	23.4	35.2





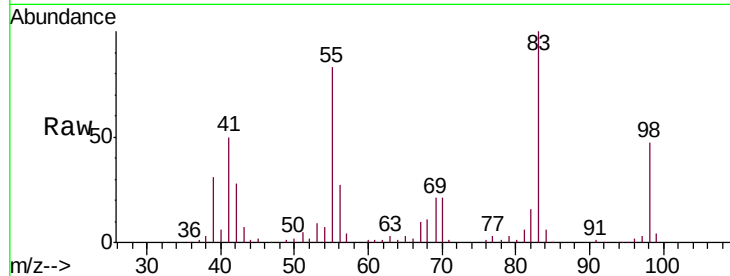
#39
Methylcyclohexane
Concen: 19.579 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	127543		
55	82.6	61.6	92.4	
98	47.0	34.9	52.3	

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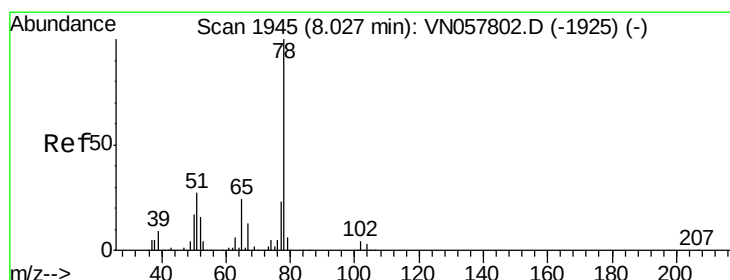
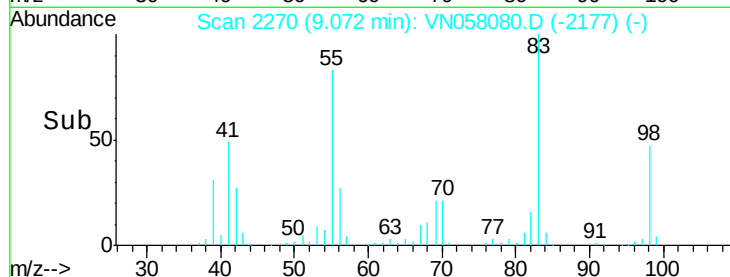
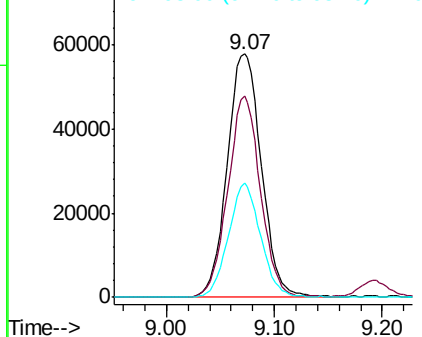


Abundance

Ion 83.00 (82.70 to 83.70): VN057802.D (-2252) (-)

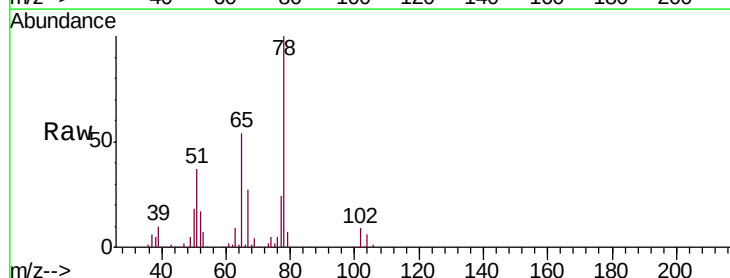
Ion 55.00 (54.70 to 55.70): VN057802.D (-2252) (-)

Ion 98.00 (97.70 to 98.70): VN057802.D (-2252) (-)



#40
Benzene
Concen: 20.233 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

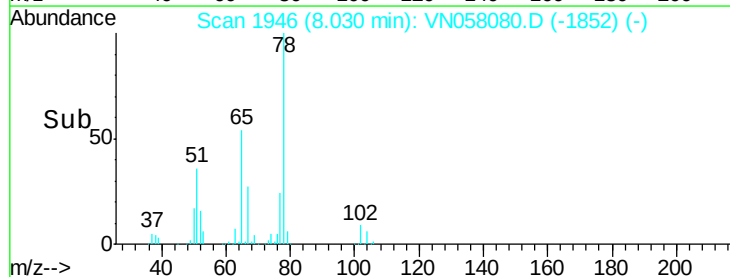
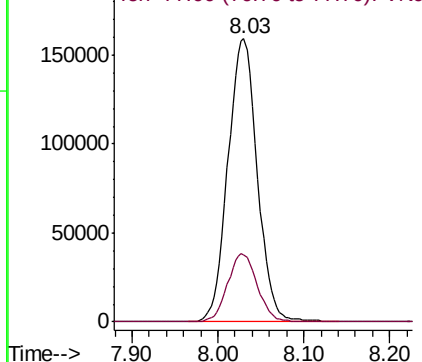
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	377463		
77	23.9	18.3	27.5	

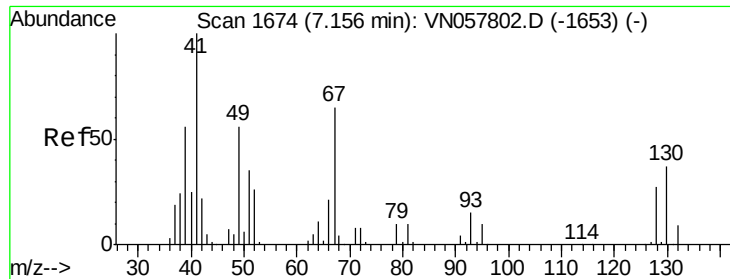


Abundance

Ion 78.00 (77.70 to 78.70): VN057802.D (-1925) (-)

Ion 77.00 (76.70 to 77.70): VN057802.D (-1925) (-)





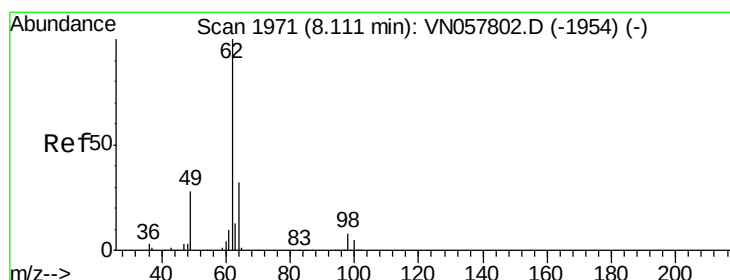
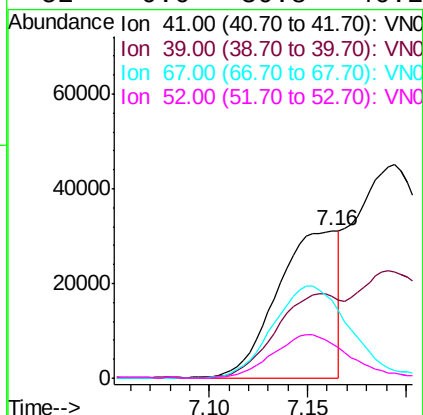
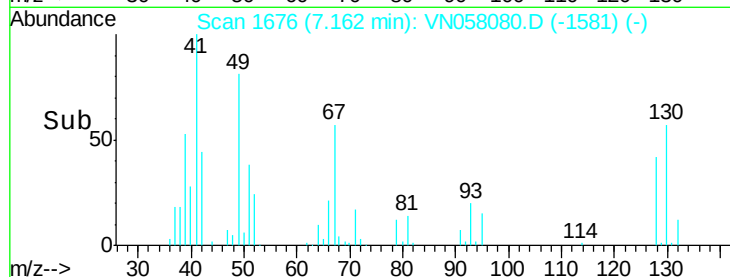
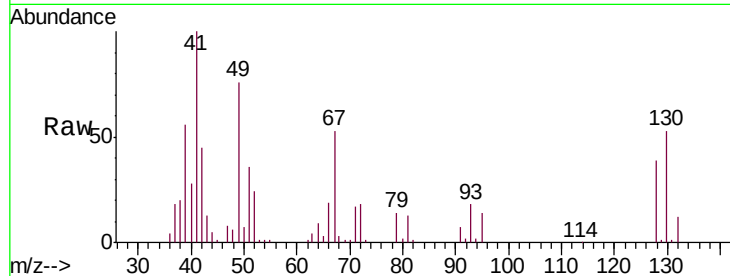
#41
Methacrylonitrile
Concen: 23.123 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampled :
VN0915WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

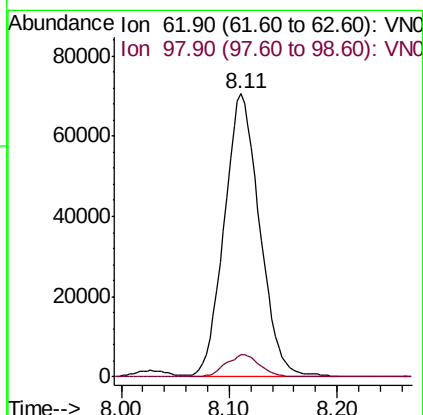
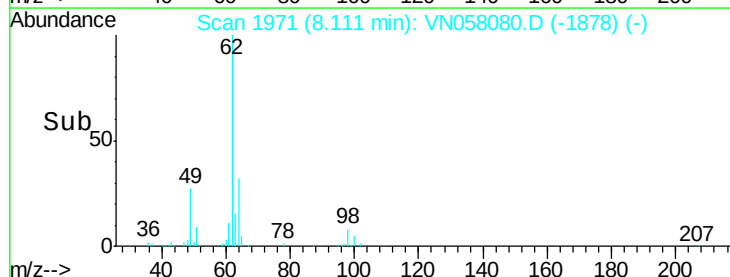
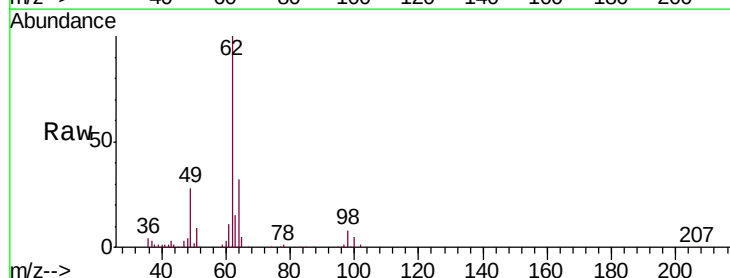
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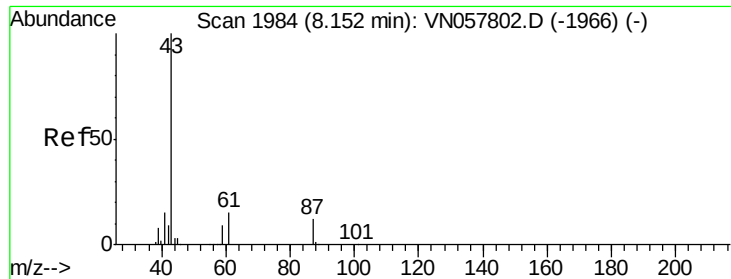
MMDadoda
9/18/2019 1:56:13 PM



#42
1,2-Dichloroethane
Concen: 21.503 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 22.245 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

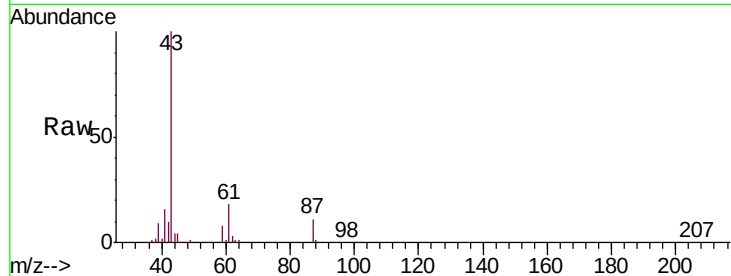
ClientSampleId :

VN0915WBSD01

Tgt Ion:	43	Resp:	239500
Ion	Ratio	Lower	Upper
43	100		
61	24.2	20.1	30.1
87	11.0	9.5	14.3

Manual Integrations
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MMDadoda
9/18/2019 1:56:13 PM

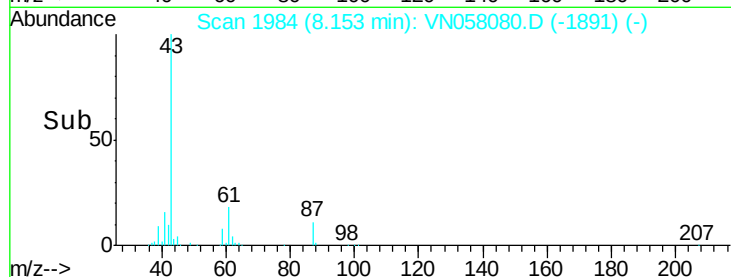


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

Time-->

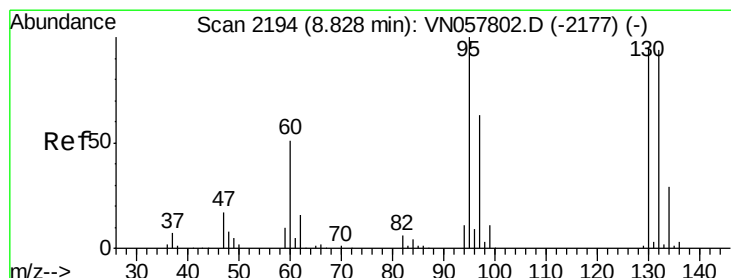


Abundance Ion 43.00 (42.70 to 43.70): VN058080.D (-1891) (-)

Ion 61.00 (60.70 to 61.70): VN058080.D (-1891) (-)

Ion 87.00 (86.70 to 87.70): VN058080.D (-1891) (-)

Time-->



#44

Trichloroethene

Concen: 20.041 ug/l

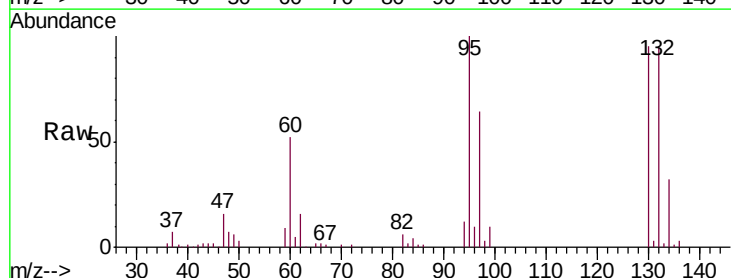
RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

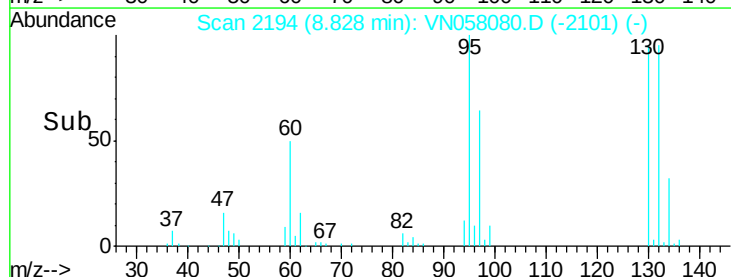
Tgt Ion:	130	Resp:	91702
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

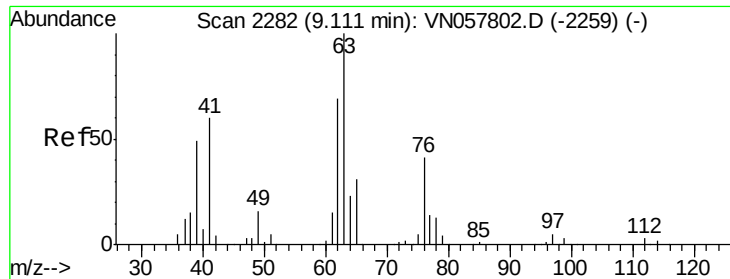
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN058080.D (-2101) (-)

Ion 94.90 (94.60 to 95.60): VN058080.D (-2101) (-)

Time-->



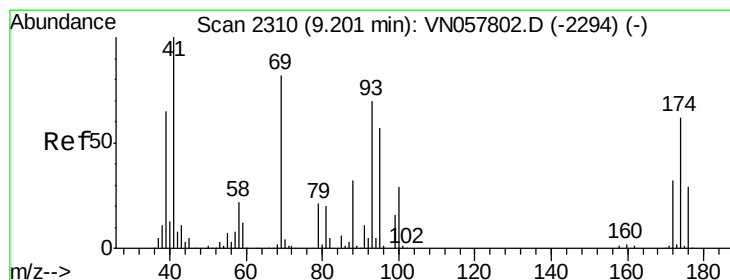
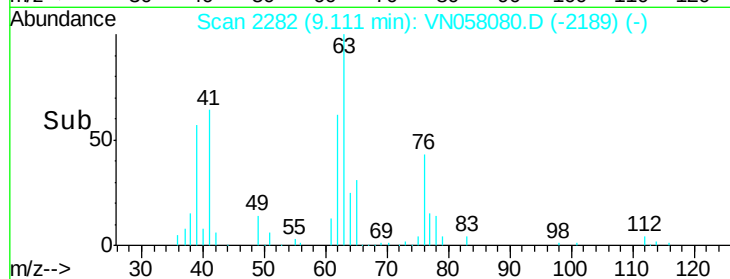
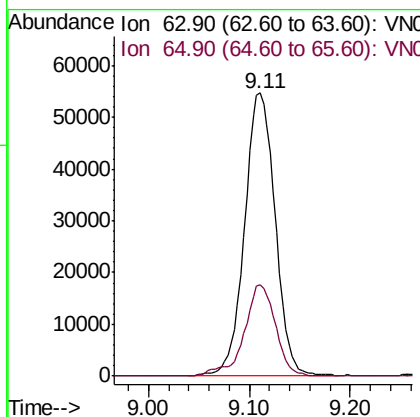
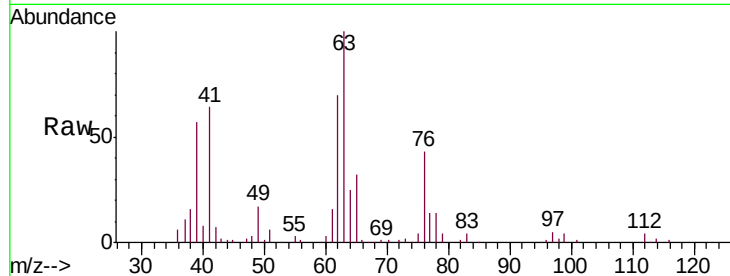
#45
 1,2-Dichloropropane
 Concen: 21.164 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tgt Ion: 63 Resp: 114891
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.8 37.2

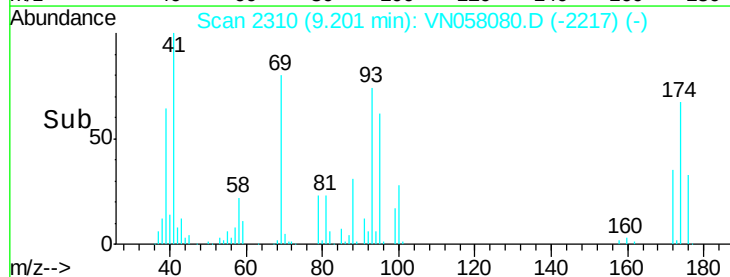
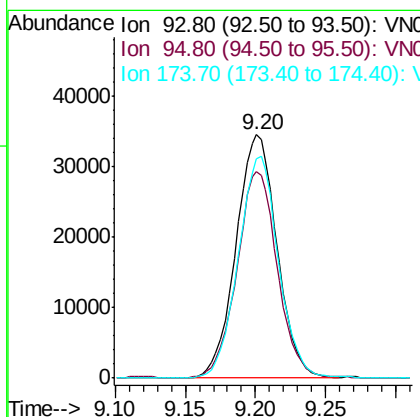
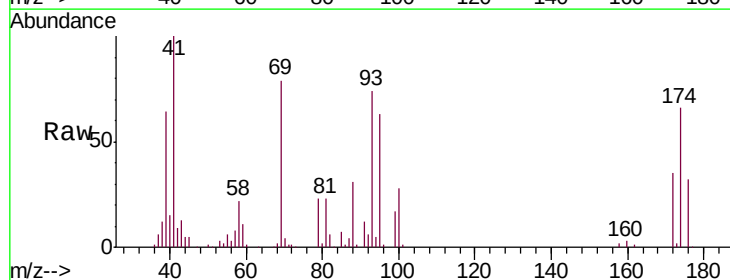
Manual Integrations
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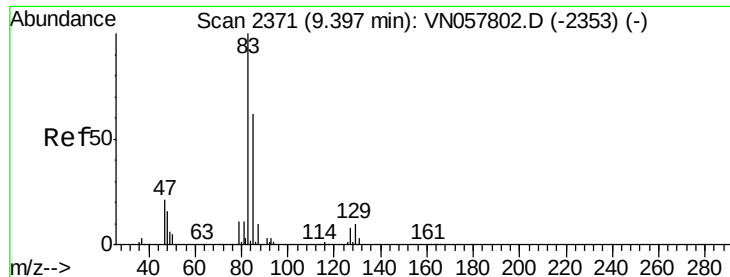
MMDadoda
 9/18/2019 1:56:13 PM



#46
 Dibromomethane
 Concen: 21.374 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Tgt Ion: 93 Resp: 70117
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.9 98.9
 174 89.5 71.8 107.6





#47

Bromodichloromethane

Concen: 21.531 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

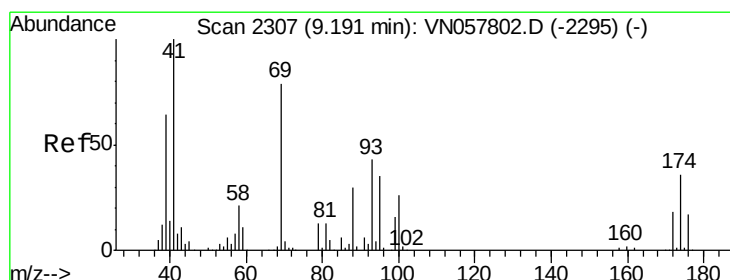
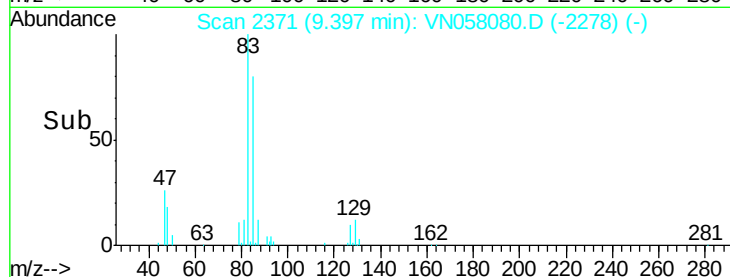
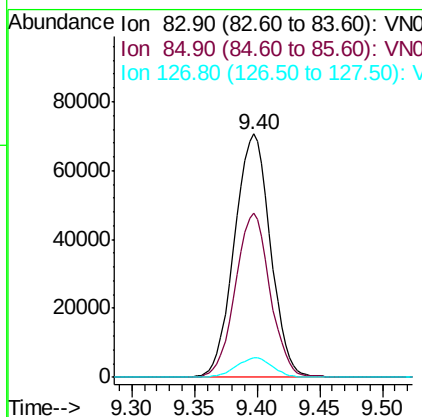
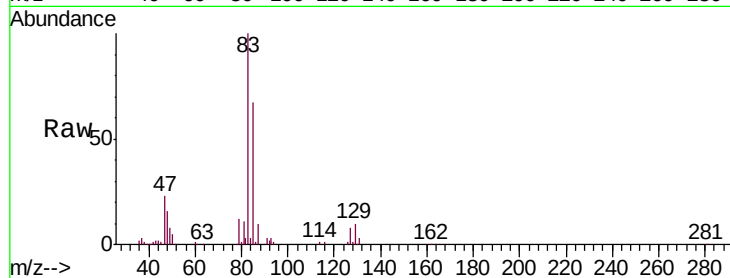
ClientSampleId :

VN0915WBSD01

Tgt Ion:	83	Resp:	141043
Ion Ratio	Lower	Upper	
83	100		
85	67.2	49.9	74.9
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.331 ug/l

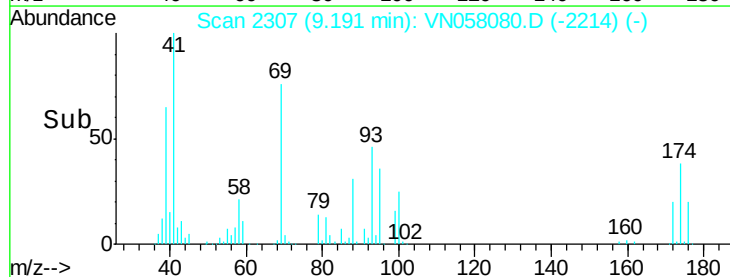
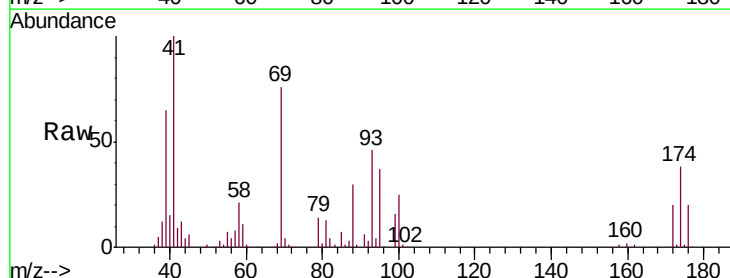
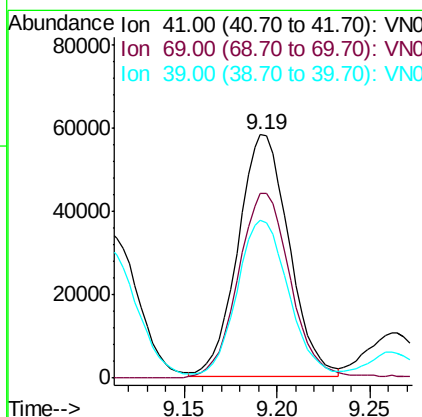
RT: 9.19 min Scan# 2307

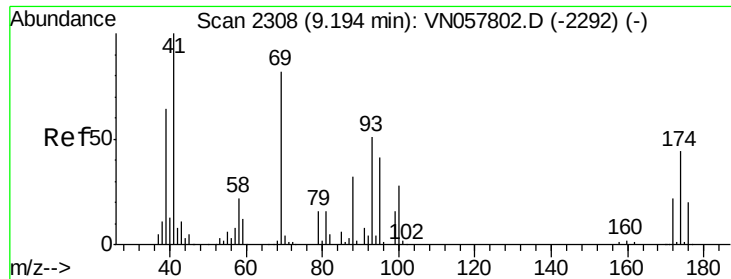
Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Tgt Ion:	41	Resp:	111042
Ion Ratio	Lower	Upper	
41	100		
69	78.5	62.7	94.1
39	65.7	52.7	79.1





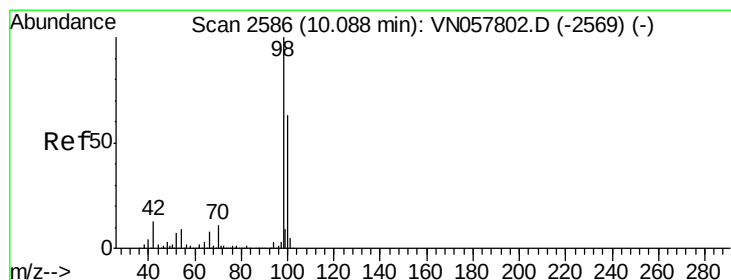
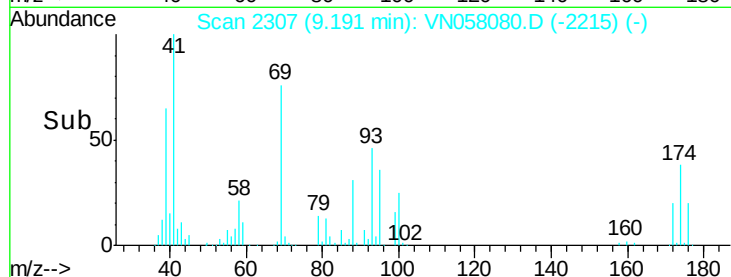
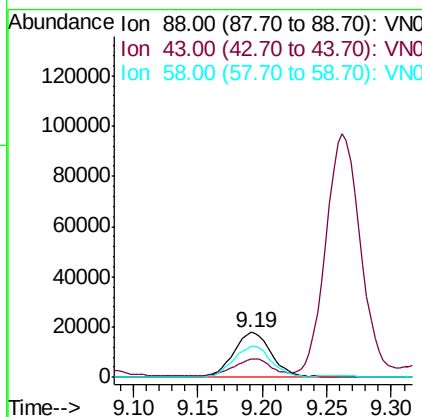
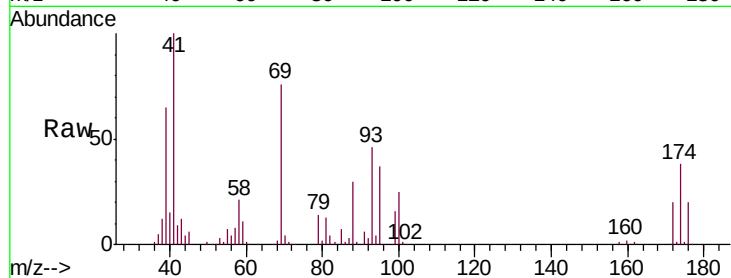
#49
 1,4-Dioxane
 Concen: 397.672 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tgt Ion: 88 Resp: 36729
 Ion Ratio Lower Upper
 88 100
 43 36.2 28.5 42.7
 58 69.1 55.8 83.6

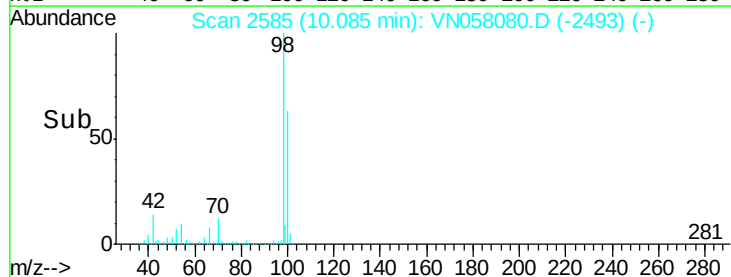
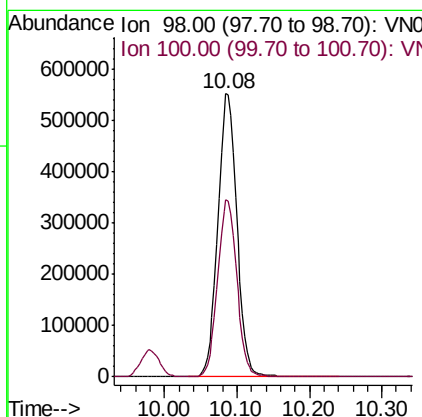
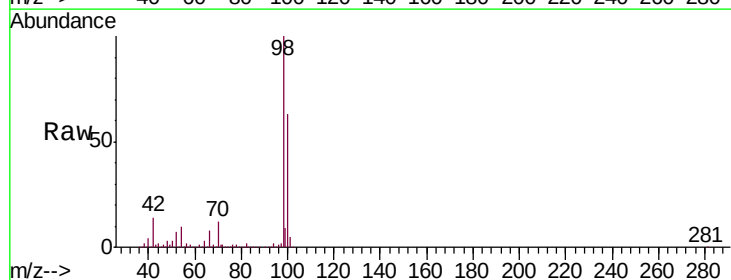
Manual Integrations
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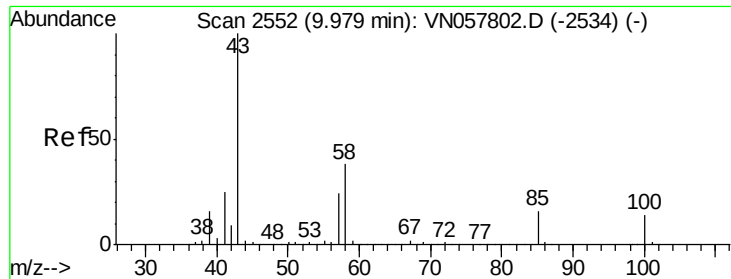
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#50
 Toluene-d8
 Concen: 52.455 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Tgt Ion: 98 Resp: 1004353
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 112.323 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion: 43 Resp: 715655

Ion Ratio Lower Upper

43 100

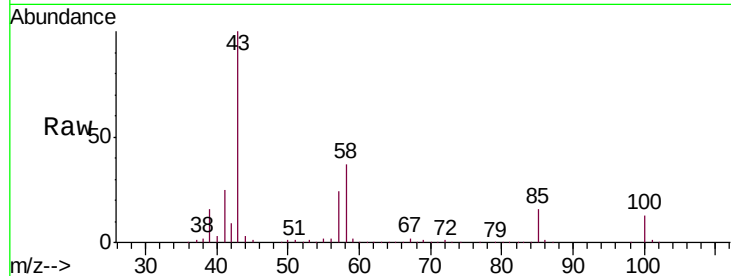
58 36.8 29.8 44.6

Manual Integrations

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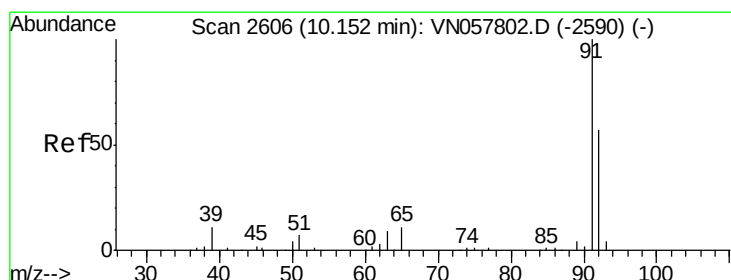
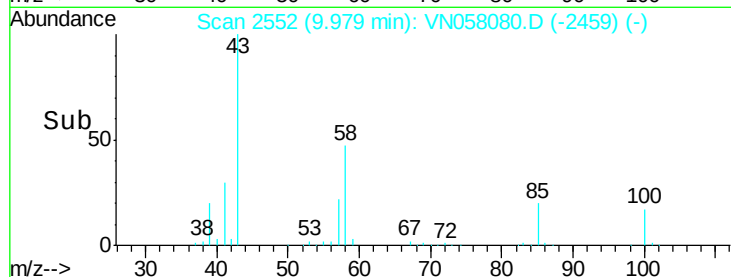
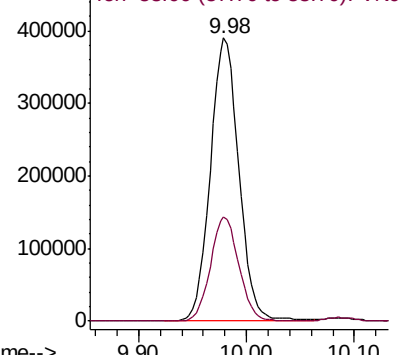
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.057 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058080.D

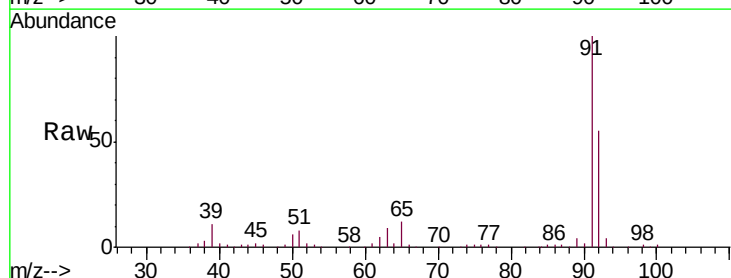
Acq: 15 Sep 2019 10:07

Tgt Ion: 92 Resp: 235677

Ion Ratio Lower Upper

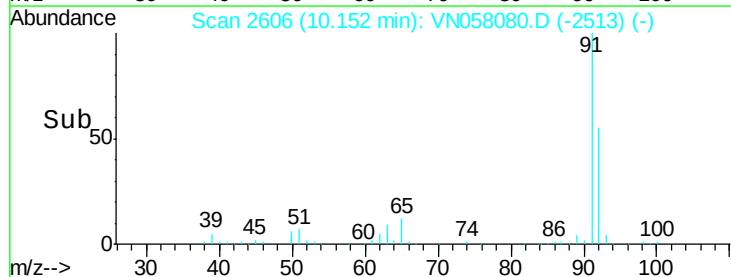
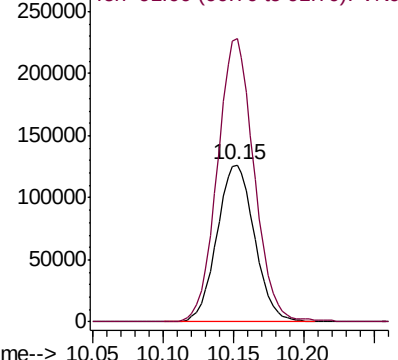
92 100

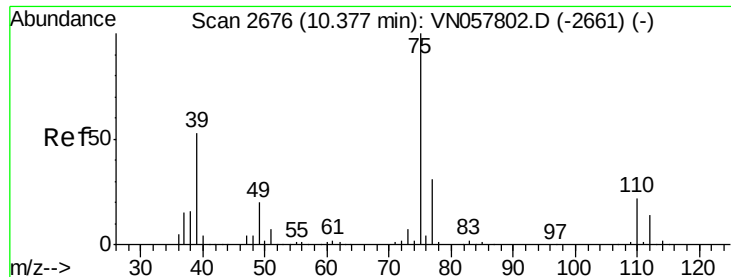
91 177.5 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





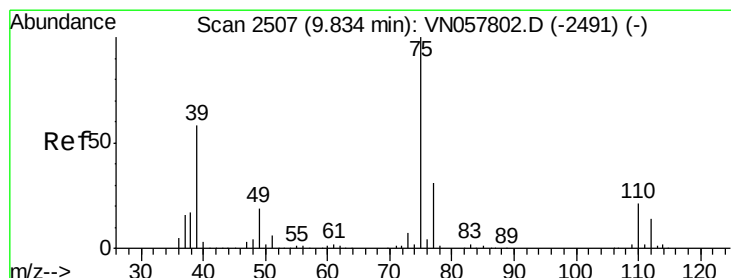
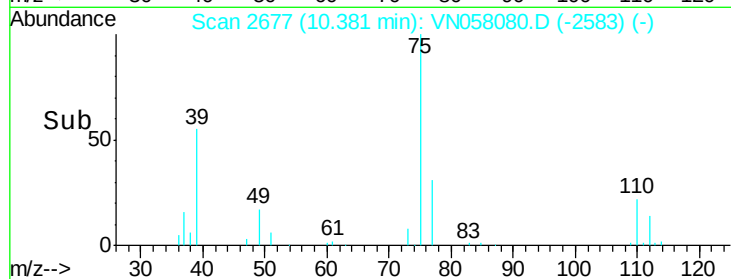
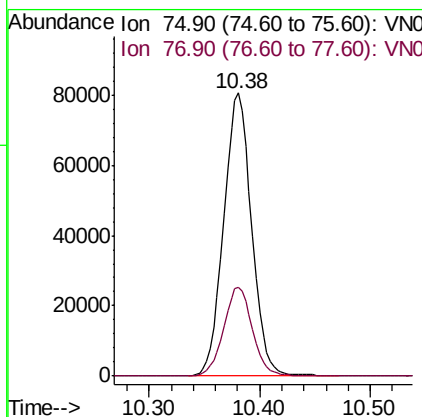
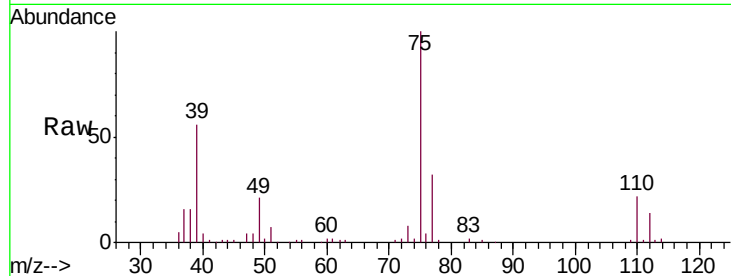
#53
t-1,3-Dichloropropene
Concen: 20.485 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion: 75 Resp: 141314
Ion Ratio Lower Upper
75 100
77 31.4 24.5 36.7

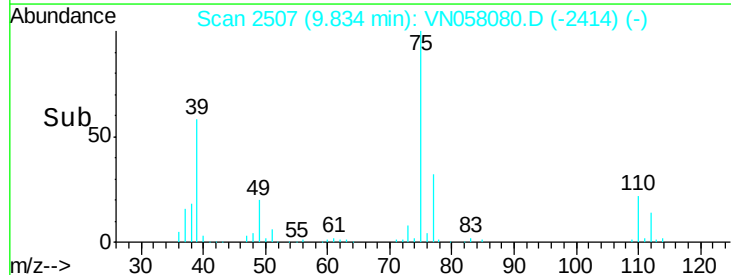
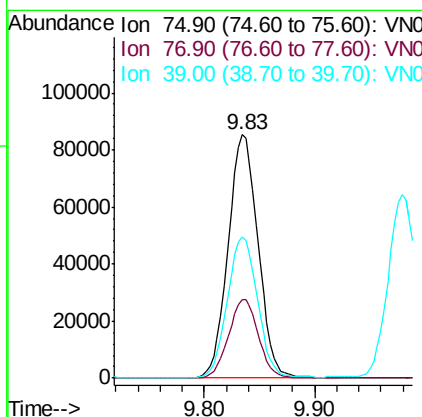
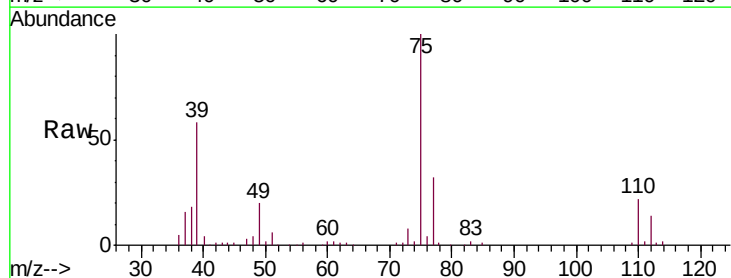
Manual Integrations
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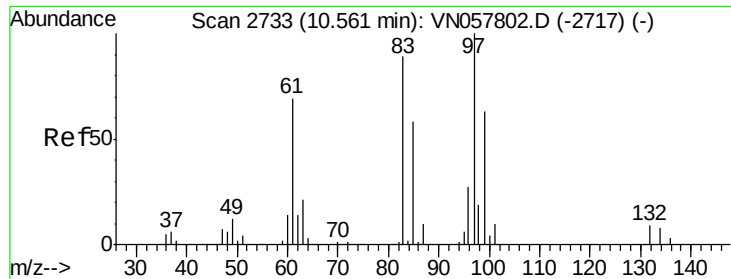
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#54
cis-1,3-Dichloropropene
Concen: 21.115 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion: 75 Resp: 160814
Ion Ratio Lower Upper
75 100
77 32.2 24.8 37.2
39 57.8 46.2 69.4





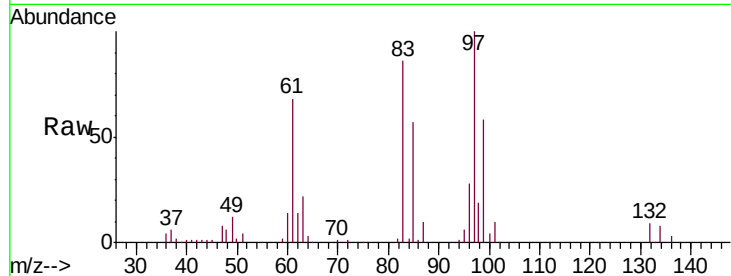
#55
 1,1,2-Trichloroethane
 Concen: 21.974 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

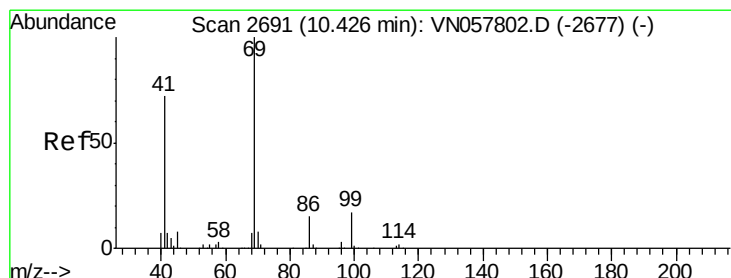
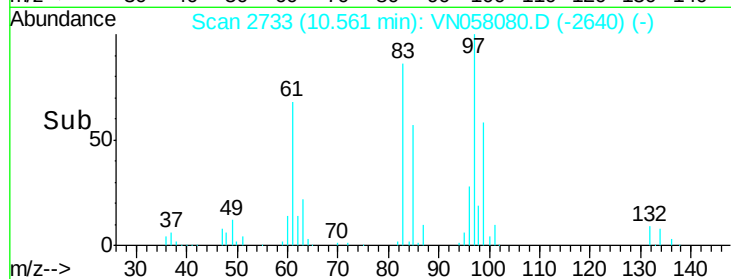
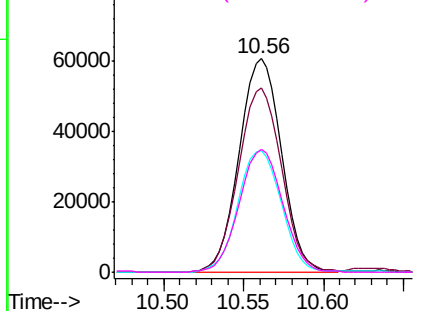
Tgt Ion:	97	Resp:	109373
Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.8	106.2
85	56.7	46.0	69.0
99	57.8	50.6	76.0

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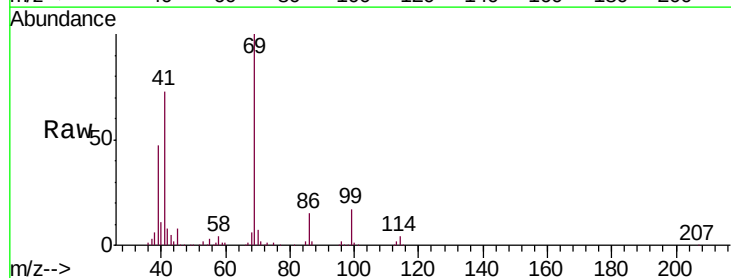


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

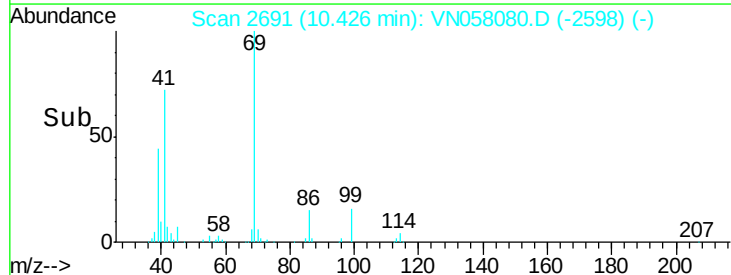
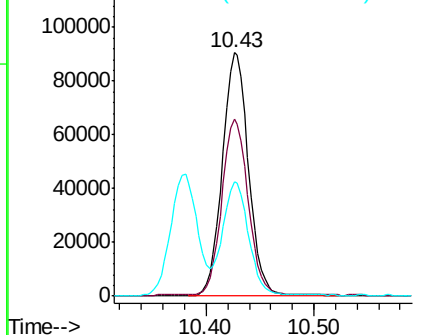


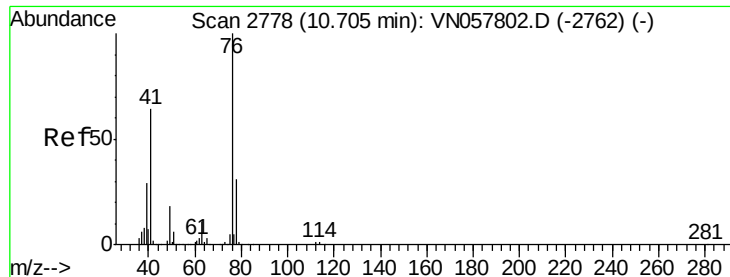
#56
 Ethyl methacrylate
 Concen: 20.473 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Tgt Ion:	69	Resp:	153451
Ion	Ratio	Lower	Upper
69	100		
41	72.0	56.7	85.1
39	46.1	36.3	54.5



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.155 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion: 76 Resp: 181462

Ion Ratio Lower Upper

76 100

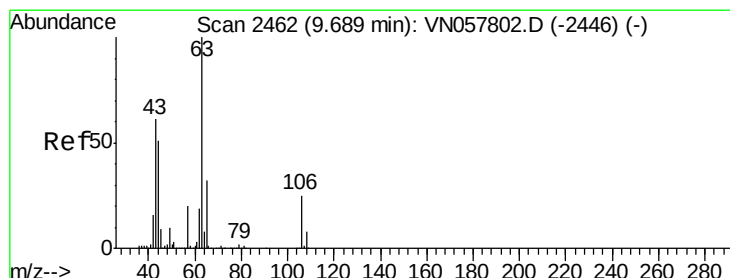
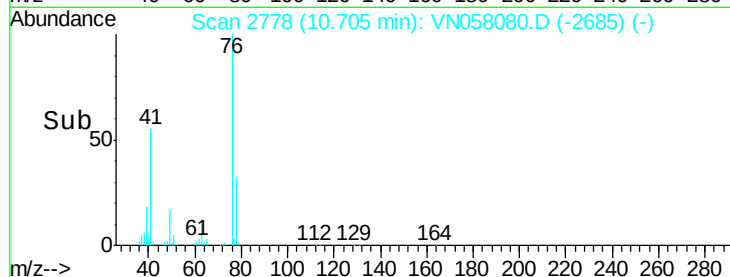
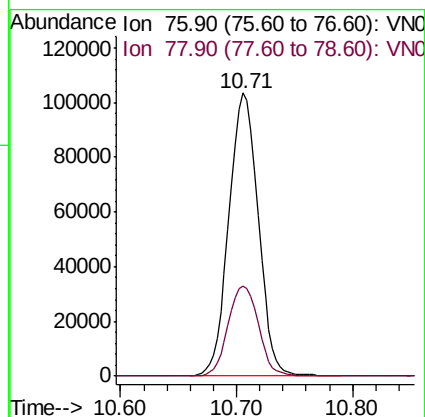
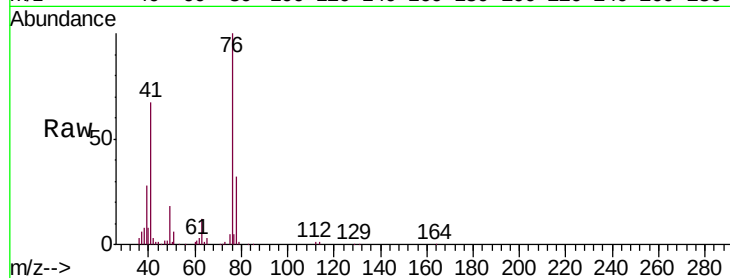
78 32.8 25.4 38.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.031 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058080.D

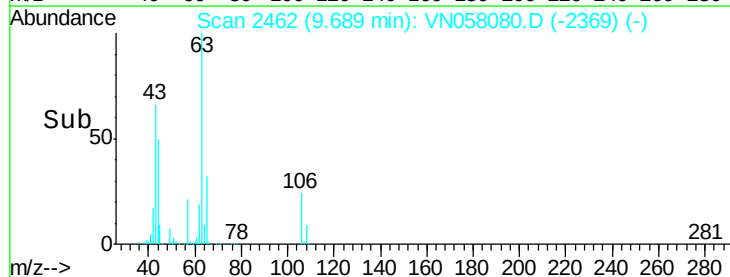
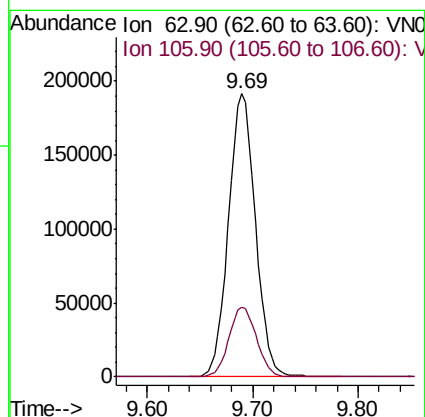
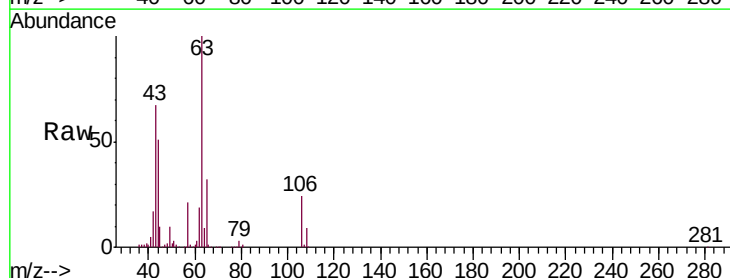
Acq: 15 Sep 2019 10:07

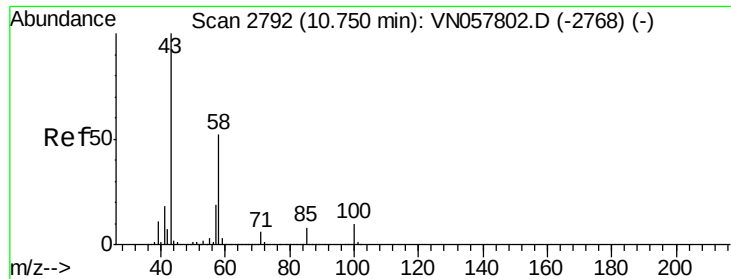
Tgt Ion: 63 Resp: 339012

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0





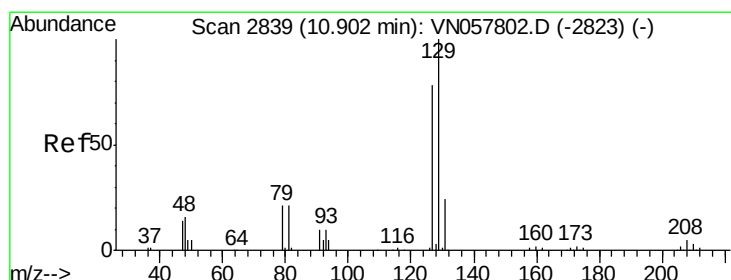
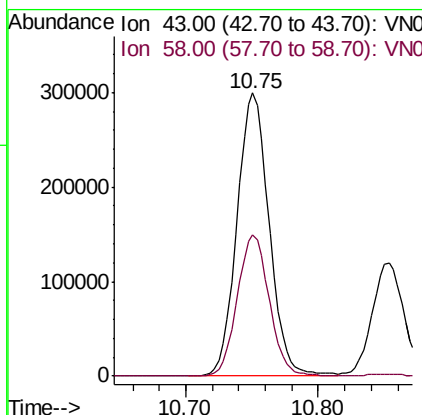
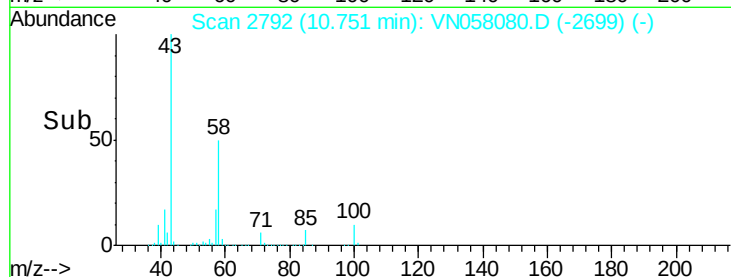
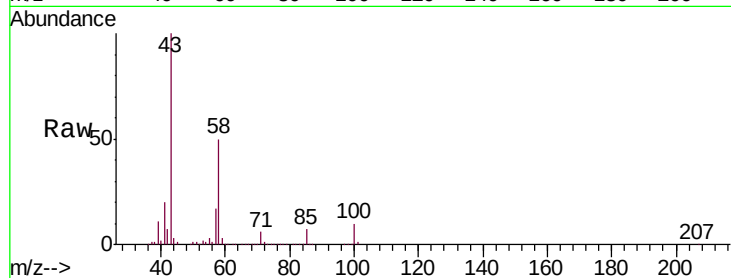
#59
2-Hexanone
Concen: 104.875 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion: 43 Resp: 500843
Ion Ratio Lower Upper
43 100
58 50.3 25.6 76.8

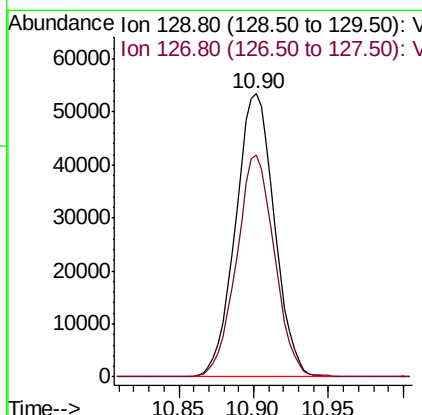
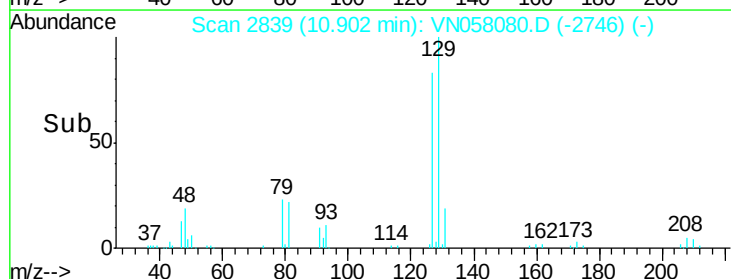
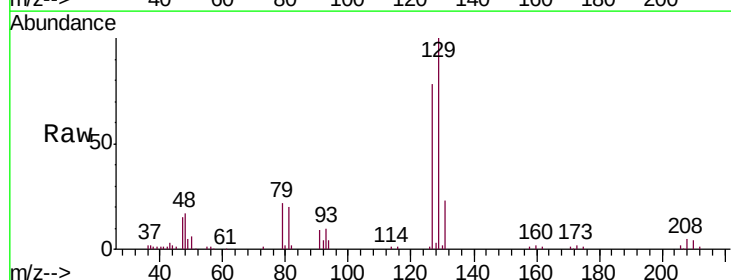
Manual Integrations
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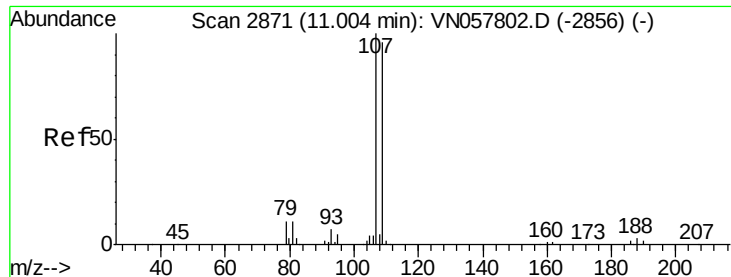
MMDadoda
9/18/2019 1:56:13 PM



#60
Dibromochloromethane
Concen: 20.937 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion: 129 Resp: 96770
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.855 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion: 107 Resp: 98133

Ion Ratio Lower Upper

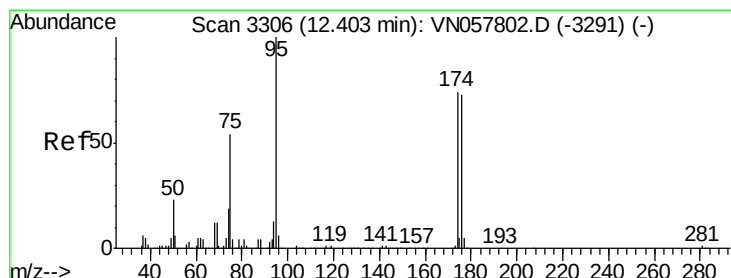
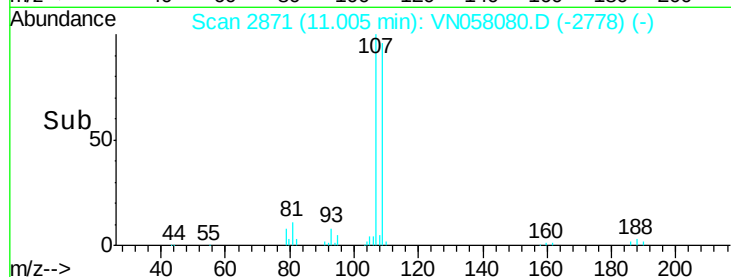
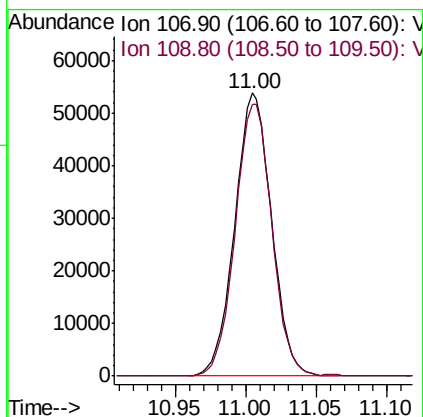
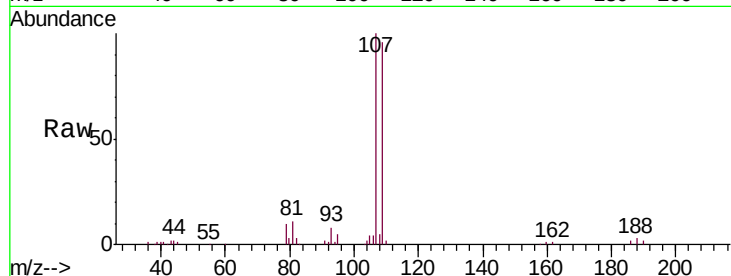
107 100

109 95.7 75.3 112.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 48.795 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

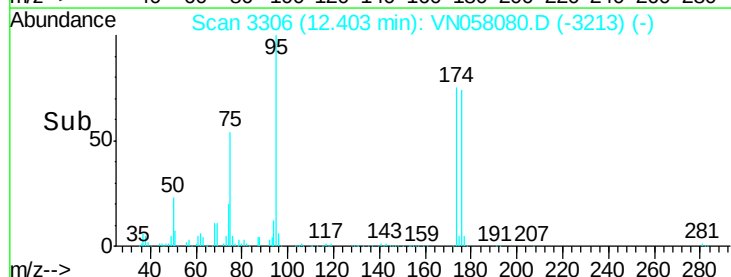
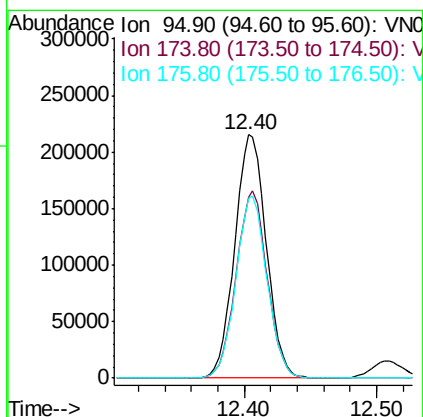
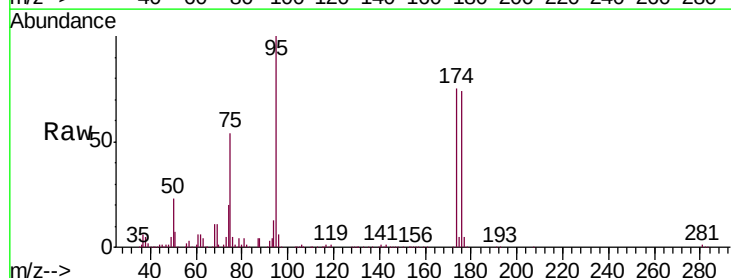
Tgt Ion: 95 Resp: 356046

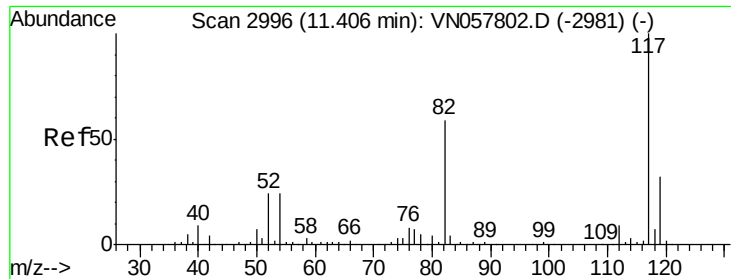
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

176 73.7 0.0 146.0





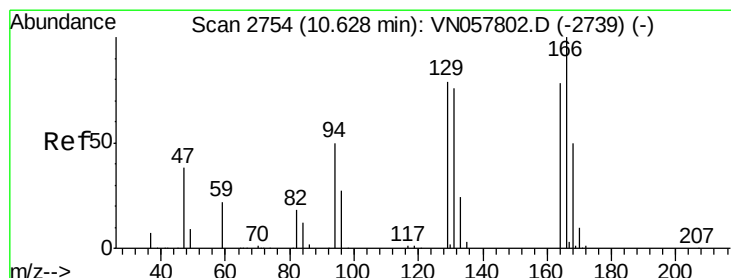
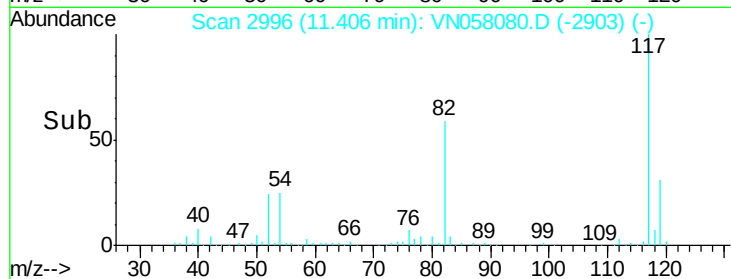
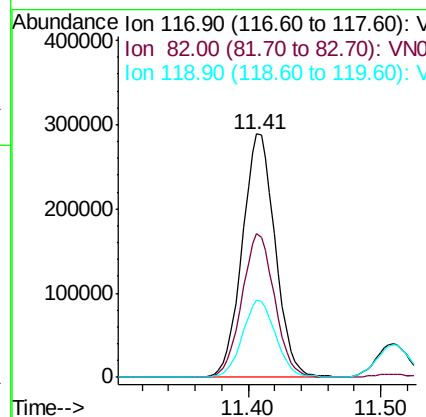
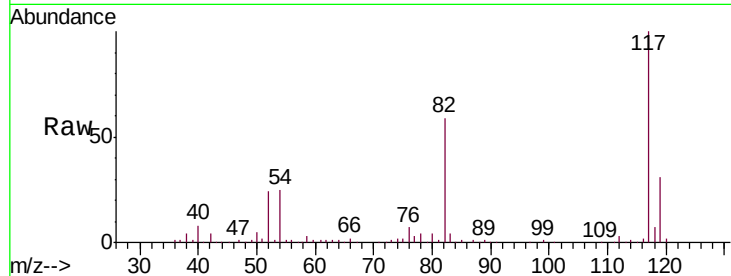
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	497676		
82	58.8	47.2	70.8	
119	31.5	25.3	37.9	

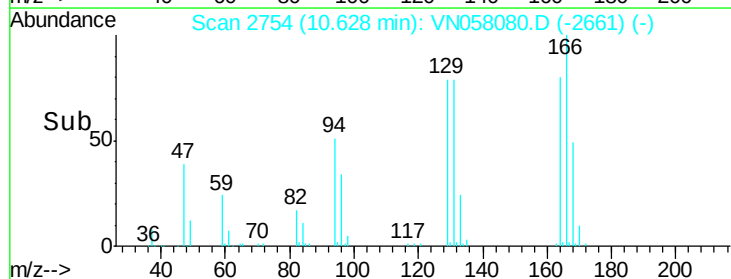
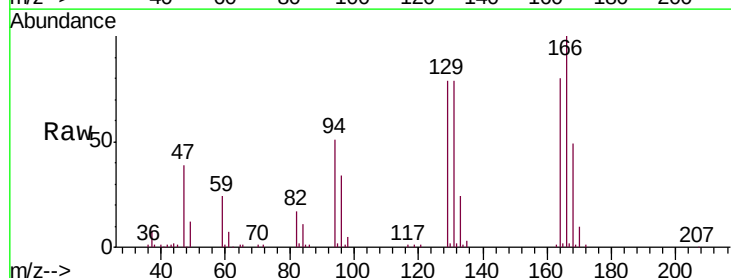
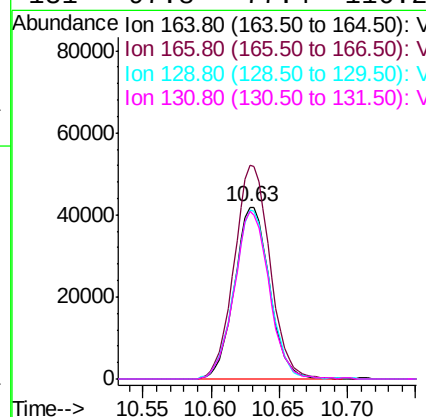
Manual Integrations
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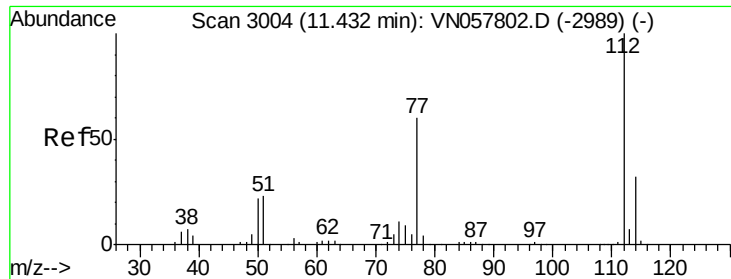
MMDadoda
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#64
Tetrachloroethene
Concen: 20.350 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74778		
166	124.5	102.2	153.2	
129	98.2	80.8	121.2	
131	97.8	77.4	116.2	





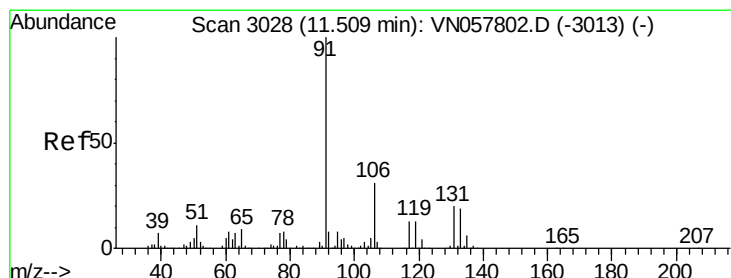
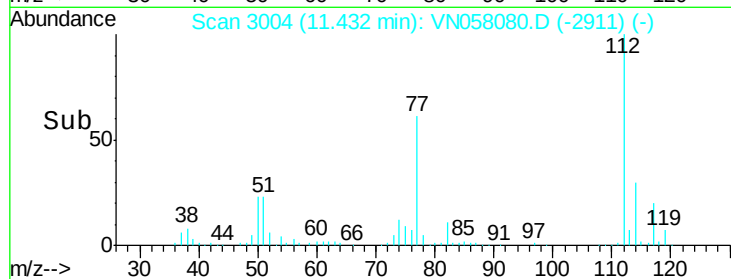
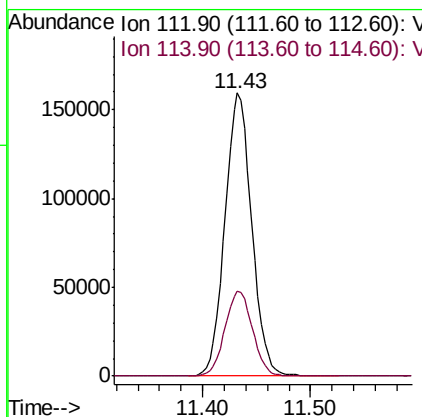
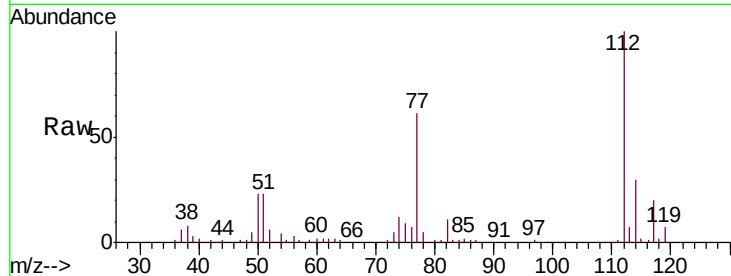
#65
Chlorobenzene
Concen: 21.169 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampled :
VN0915WBSD01

Tgt Ion:112 Resp: 275720
Ion Ratio Lower Upper
112 100
114 29.9 25.2 37.8

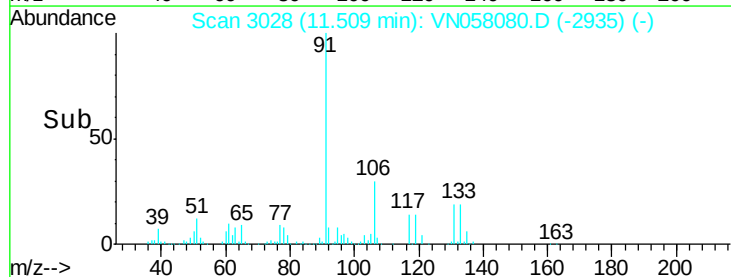
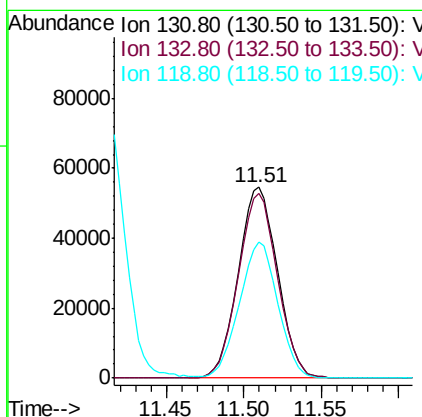
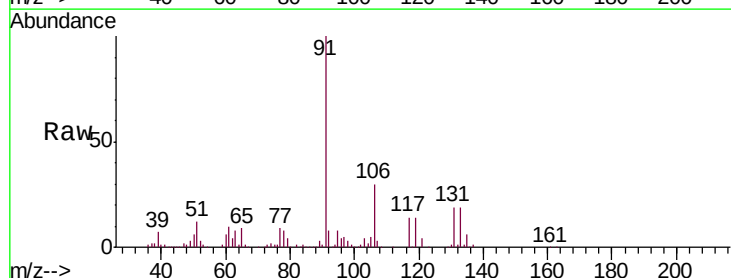
Manual Integrations
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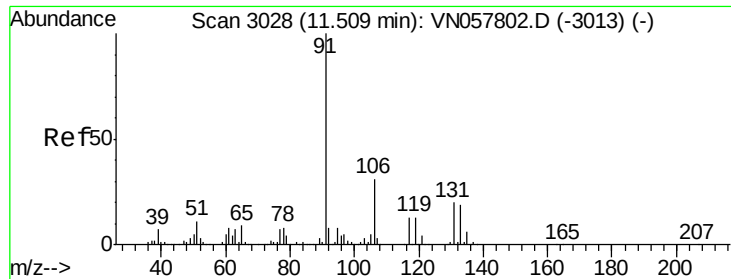
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.385 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion:131 Resp: 96648
Ion Ratio Lower Upper
131 100
133 96.4 47.1 141.3
119 69.9 33.3 99.8





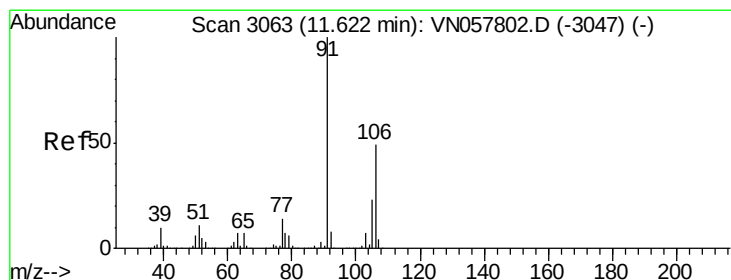
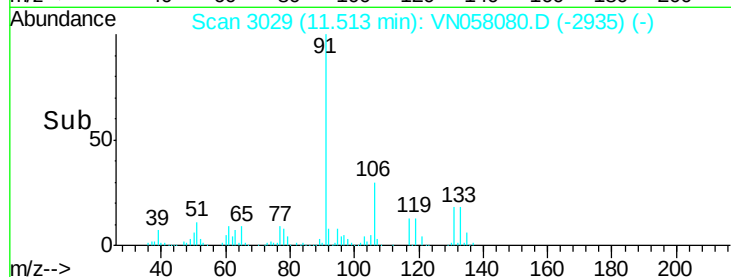
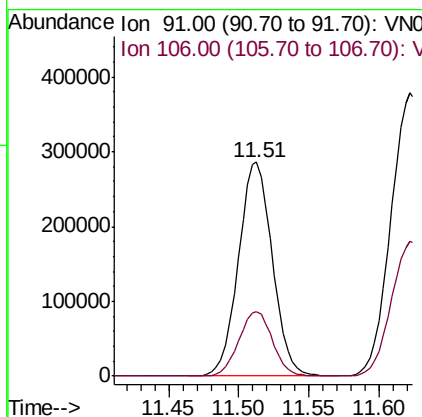
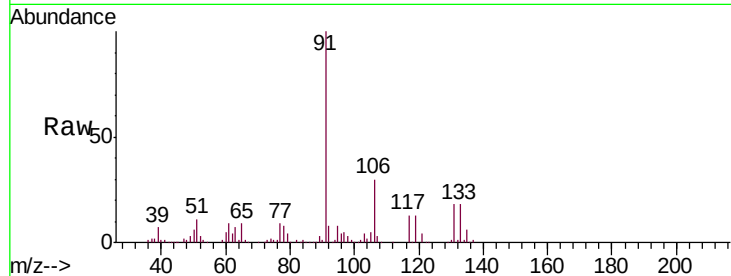
#67
Ethyl Benzene
Concen: 21.134 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion: 91 Resp: 482399
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

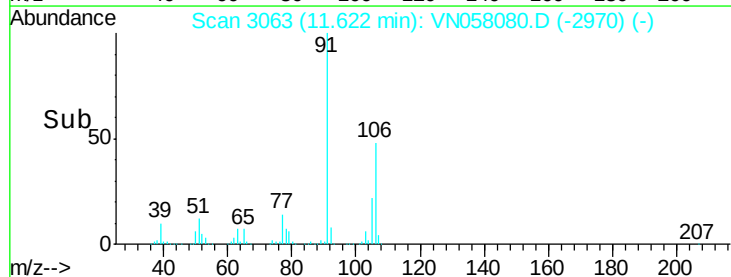
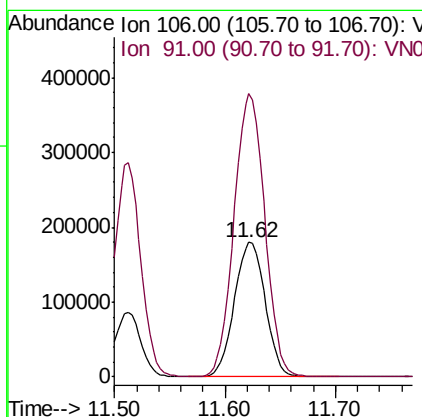
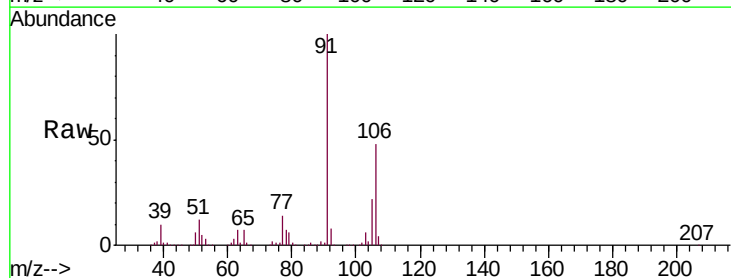
Manual Integrations
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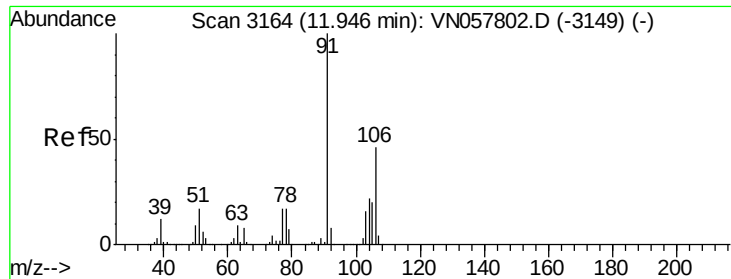
MMDadoda
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#68
m/p-Xylenes
Concen: 41.841 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion: 106 Resp: 349841
Ion Ratio Lower Upper
106 100
91 209.3 165.8 248.6





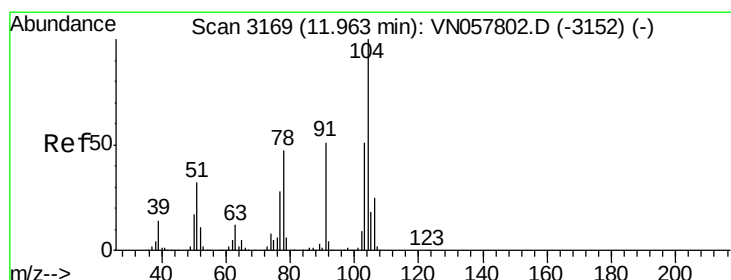
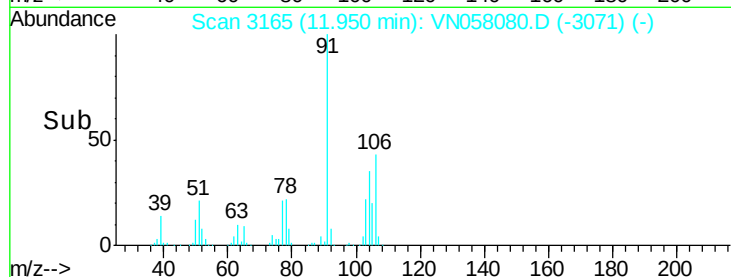
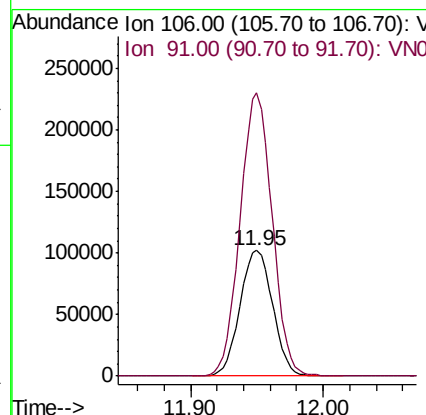
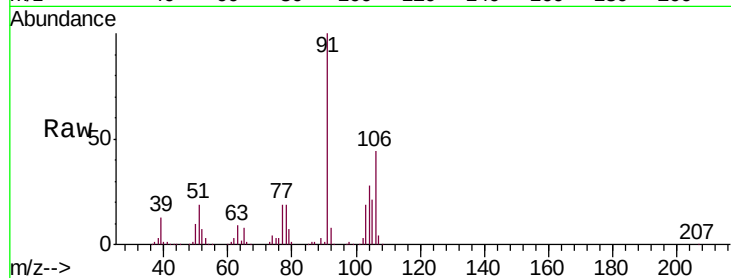
#69
o-Xylene
Concen: 21.001 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampled :
VN0915WBSD01

Tgt Ion:106 Resp: 174564
Ion Ratio Lower Upper
106 100
91 221.5 108.7 326.1

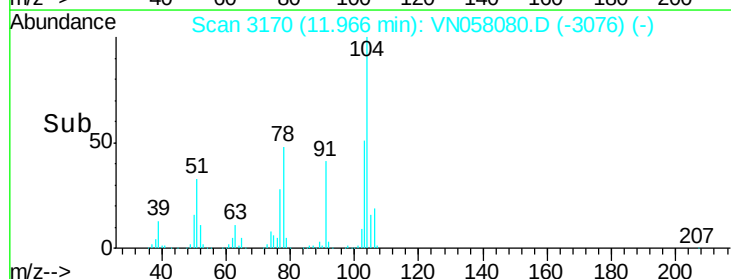
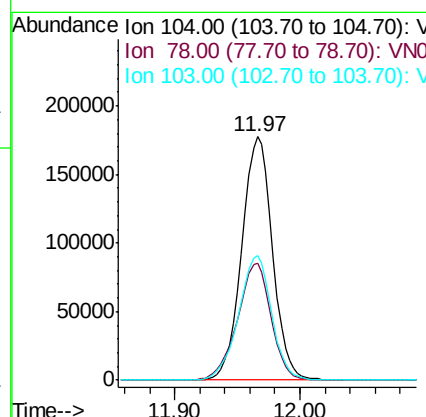
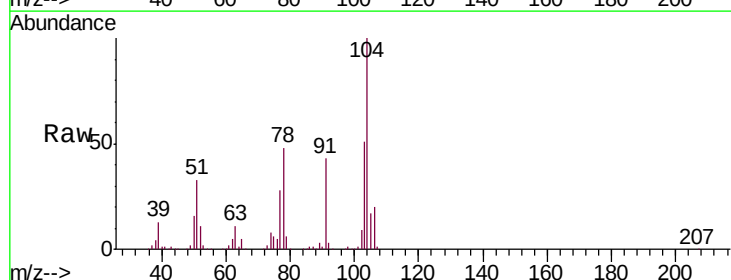
Manual Integrations
APPROVED

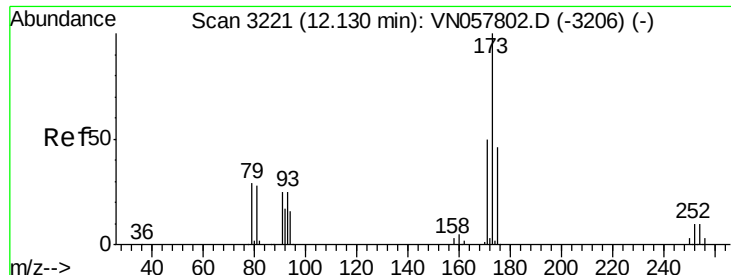
MMDadoda
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#70
Styrene
Concen: 21.130 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion:104 Resp: 302268
Ion Ratio Lower Upper
104 100
78 52.6 41.3 61.9
103 55.1 43.7 65.5





#71

Bromoform

Concen: 20.890 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampleId :

VN0915WBSD01

Tgt Ion:173 Resp: 58862

Ion Ratio Lower Upper

173 100

175 48.0 23.5 70.6

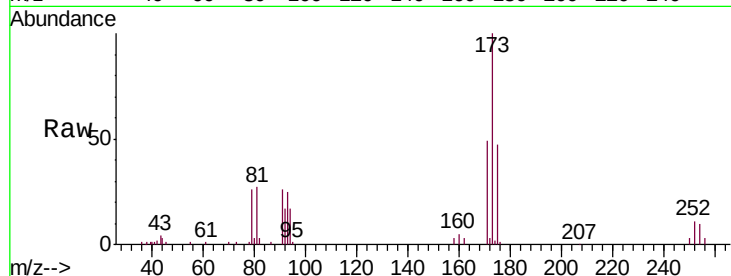
254 0.0 0.1 0.1#

Manual Integrations

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MMDadoda

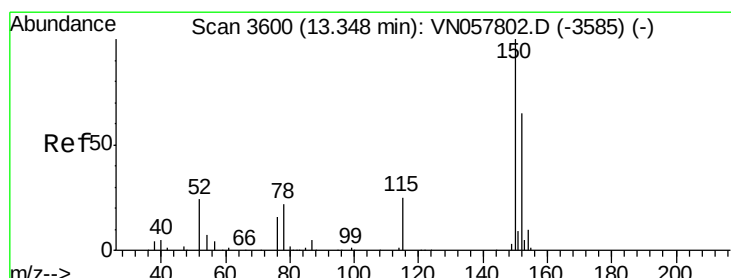
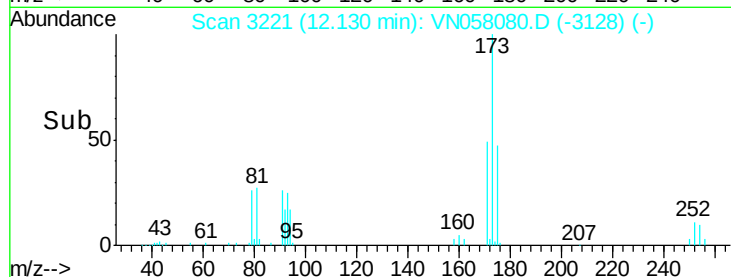
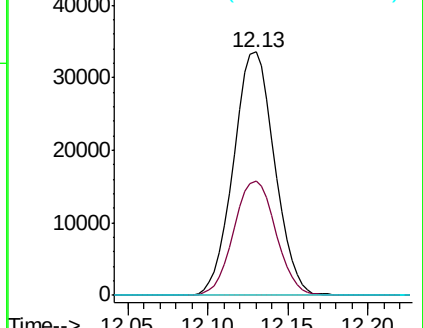
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058080.D

Acq: 15 Sep 2019 10:07

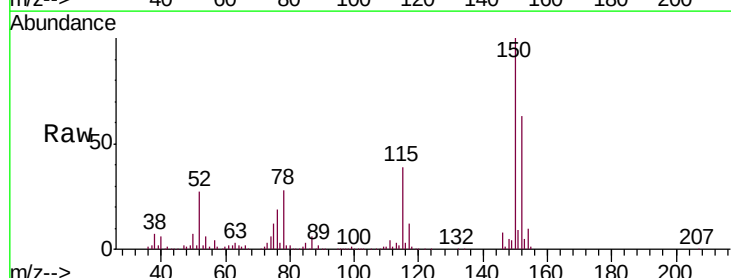
Tgt Ion:152 Resp: 292181

Ion Ratio Lower Upper

152 100

115 60.9 30.3 91.0

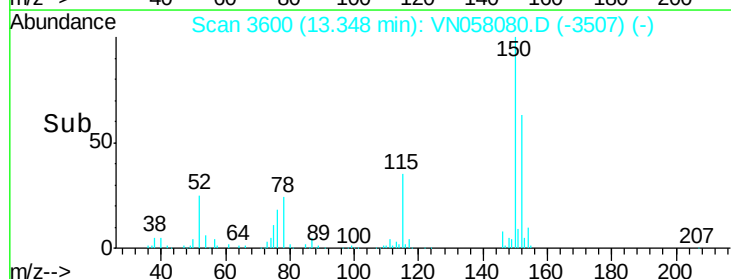
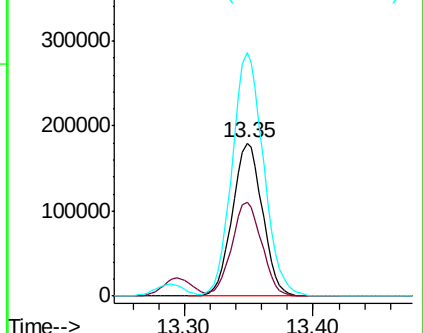
150 165.0 0.0 352.4

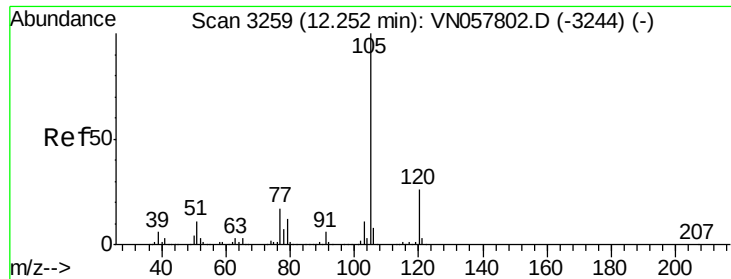


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.675 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampled :

VN0915WBSD01

Tgt Ion: 105 Resp: 491420

Ion Ratio Lower Upper

105 100

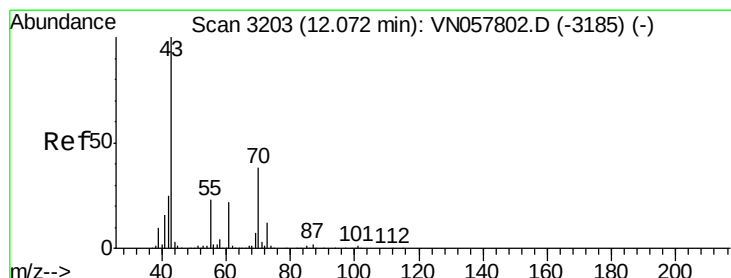
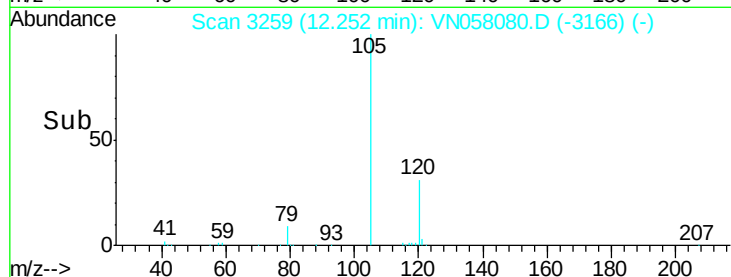
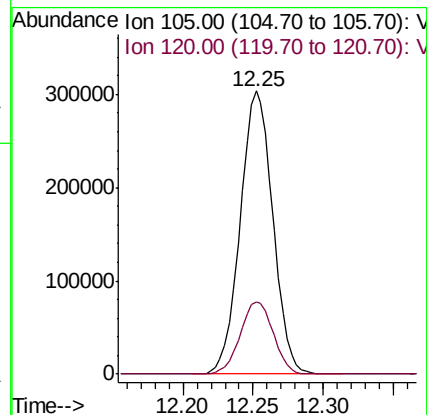
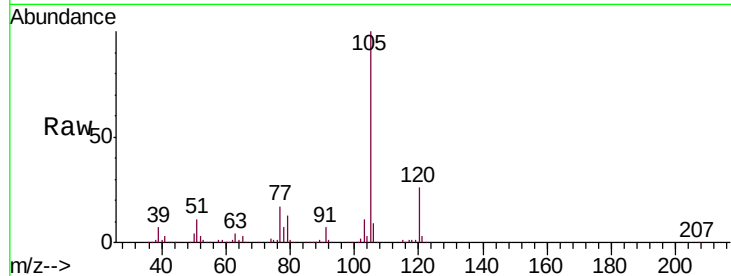
120 26.0 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.423 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Tgt Ion: 43 Resp: 201518

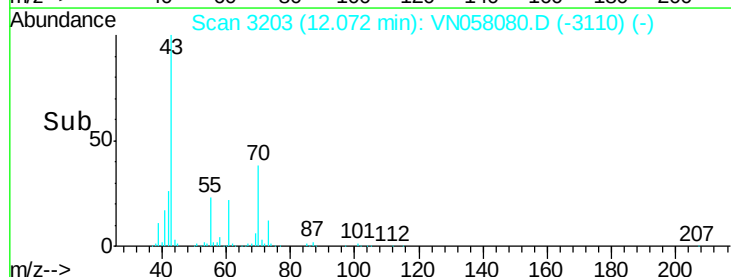
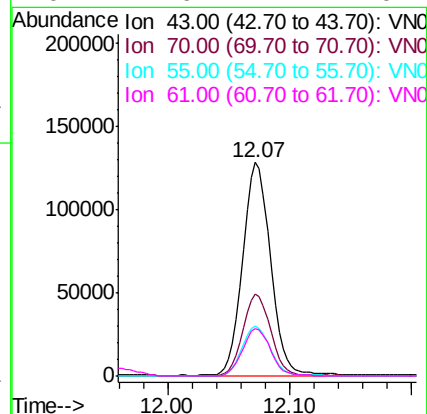
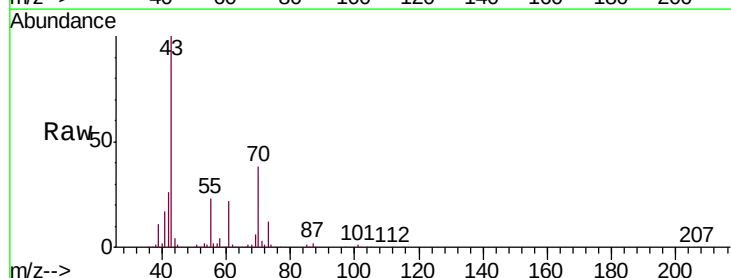
Ion Ratio Lower Upper

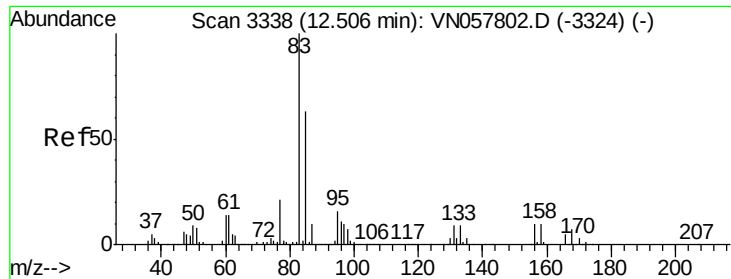
43 100

70 38.1 30.6 45.8

55 23.8 18.6 27.8

61 22.6 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.934 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

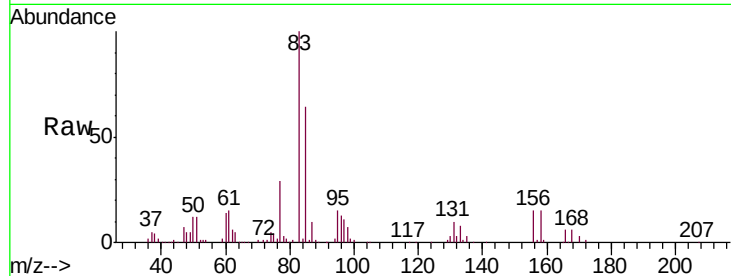
ClientSampleId :

VN0915WBSD01

Tgt Ion:	83	Resp:	159802
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	64.5	31.6	94.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057802.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN057802.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN057802.D (-3324) (-)

12.51

100000

80000

60000

40000

20000

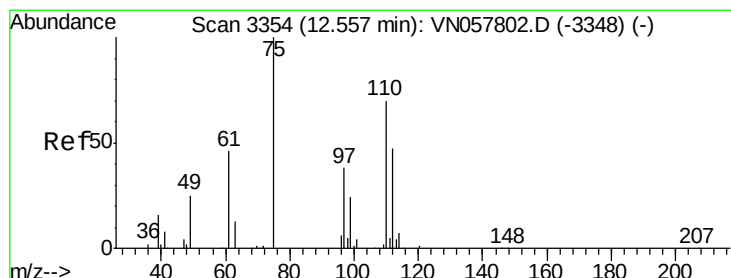
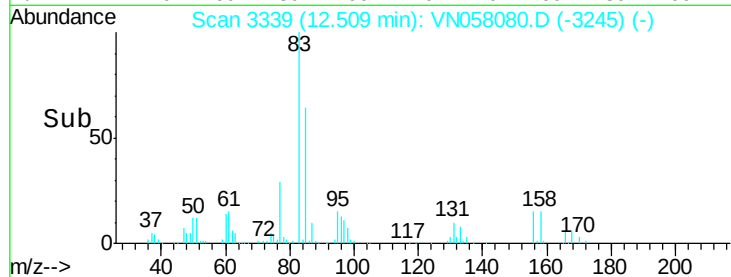
0

12.45

12.50

12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.597 ug/l m

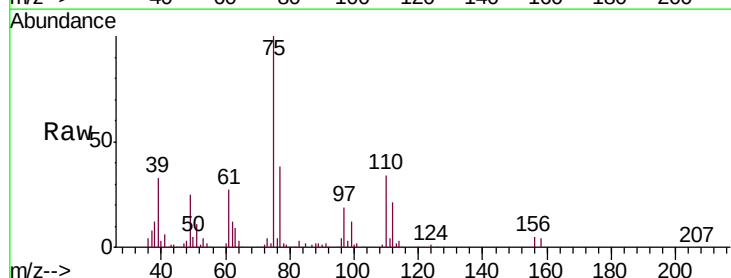
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Tgt Ion:	75	Resp:	142751
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057802.D (-3348) (-)

12.56

100000

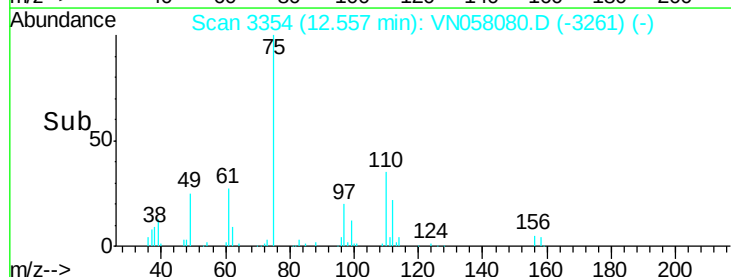
50000

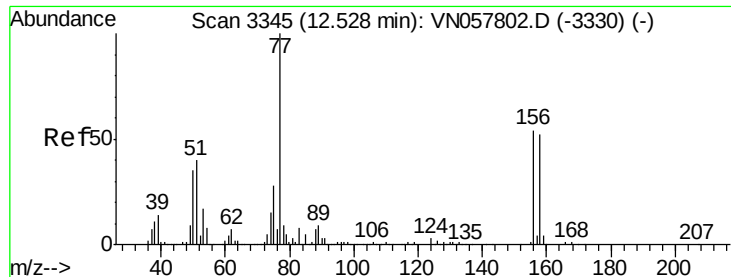
0

12.55

12.60

Time-->





#77

Bromobenzene

Concen: 20.348 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

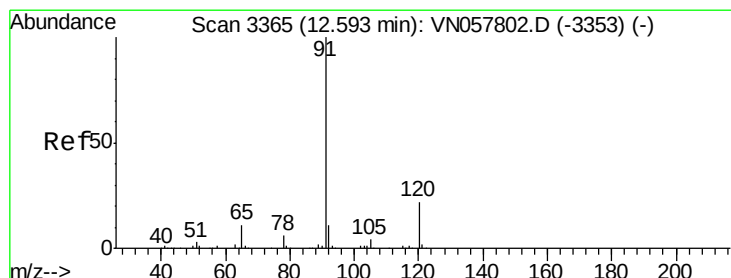
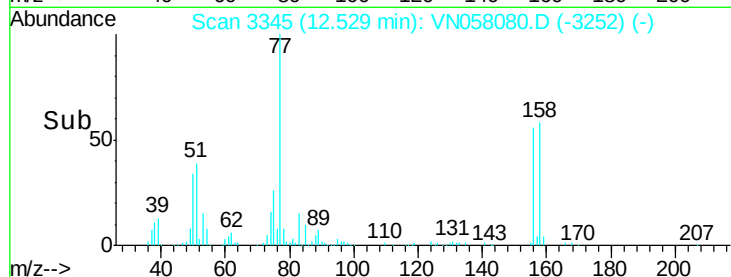
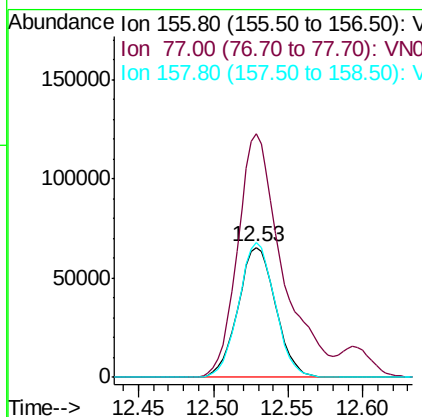
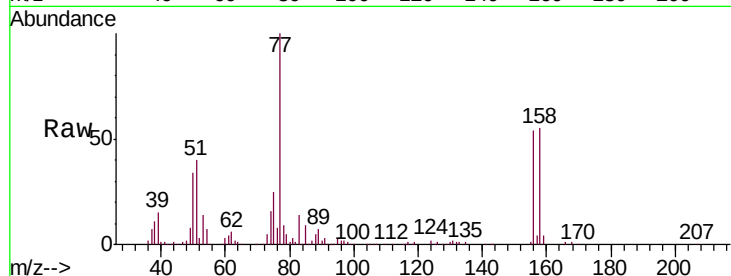
ClientSampleId :

VN0915WBSD01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	221.4	113.7	341.1
158	99.9	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.104 ug/l

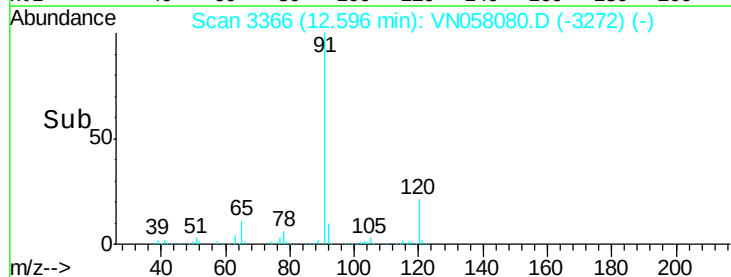
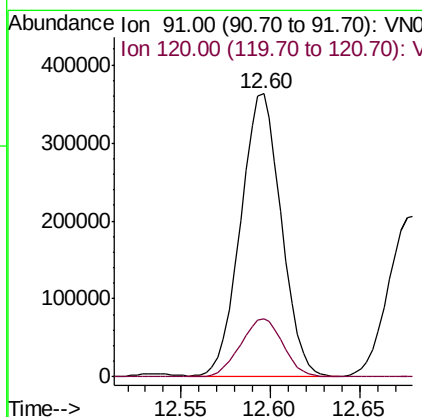
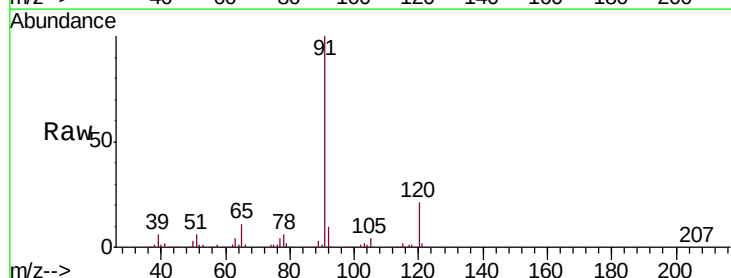
RT: 12.60 min Scan# 3366

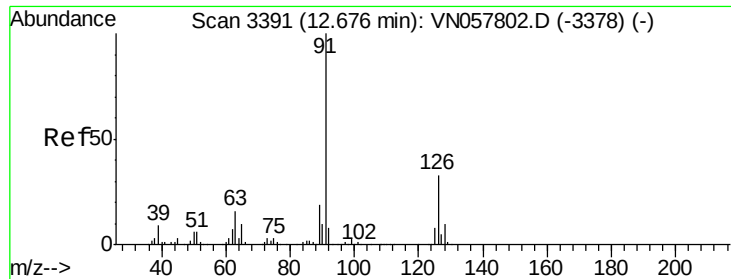
Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.895 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampled :

VN0915WBSD01

Tgt Ion: 91 Resp: 343821

Ion Ratio Lower Upper

91 100

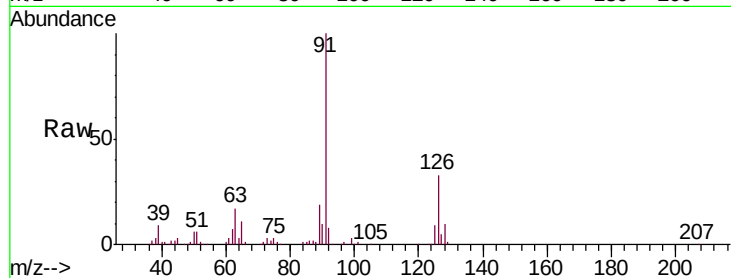
126 32.4 16.4 49.2

Manual Integrations

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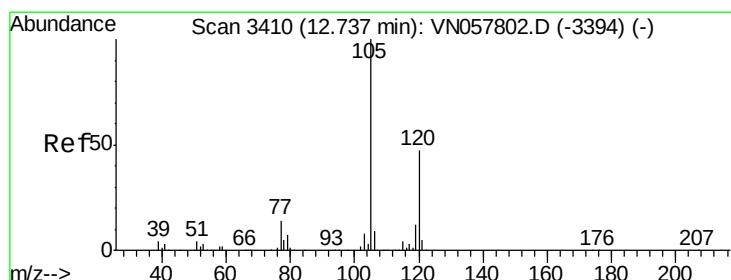
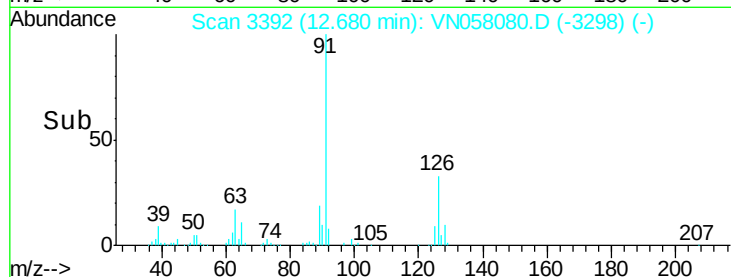
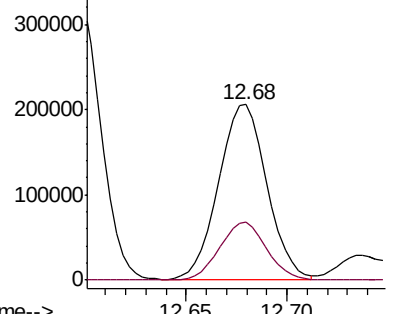
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Abundance Ion 91.00 (90.70 to 91.70): VN058080.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058080.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.742 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058080.D

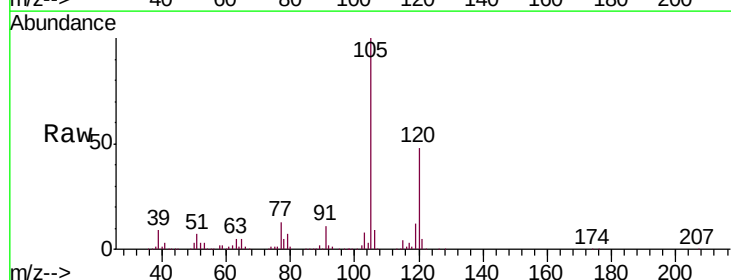
Acq: 15 Sep 2019 10:07

Tgt Ion: 105 Resp: 416508

Ion Ratio Lower Upper

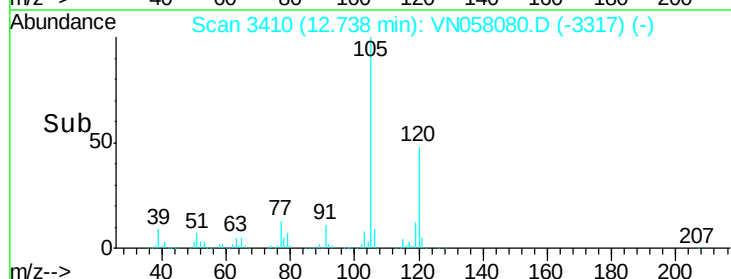
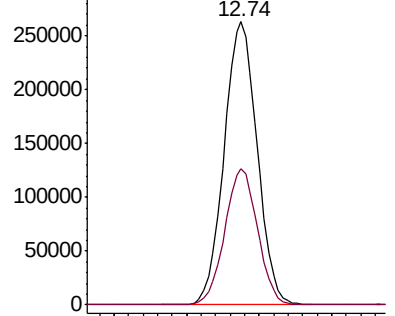
105 100

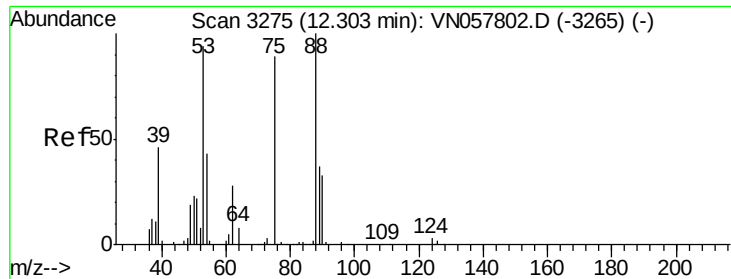
120 48.0 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN058080.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058080.D (-3410) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.386 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

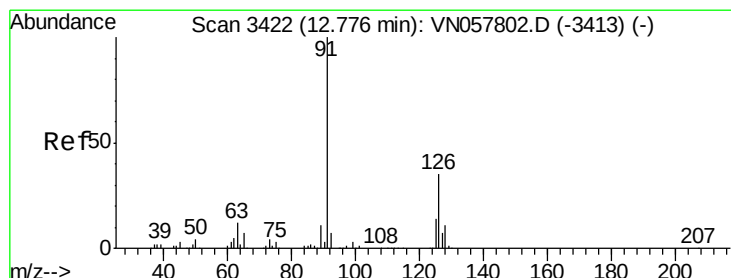
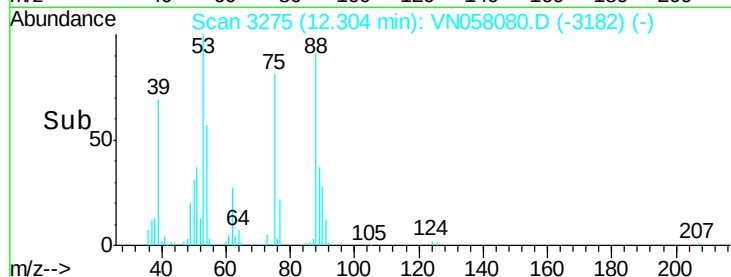
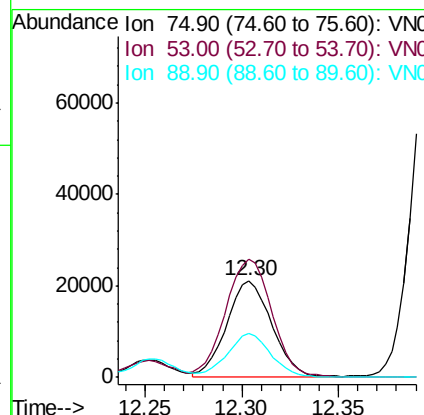
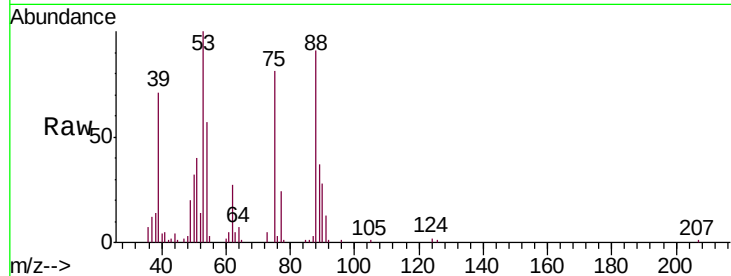
ClientSampleId :

VN0915WBSD01

Tgt Ion:	75	Resp:	34534
Ion	Ratio	Lower	Upper
75	100		
53	126.1	88.4	132.6
89	43.8	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.929 ug/l

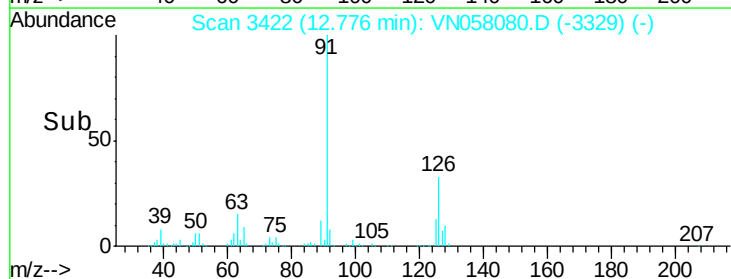
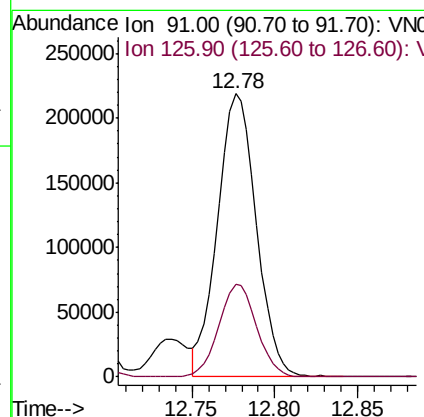
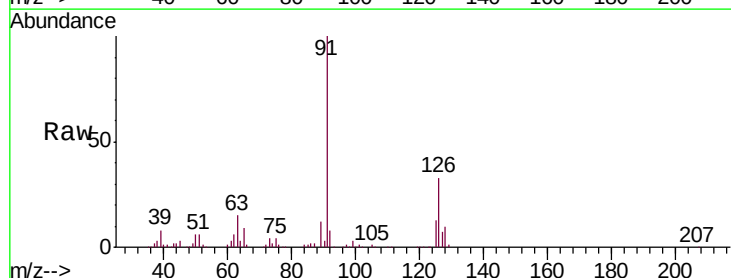
RT: 12.78 min Scan# 3422

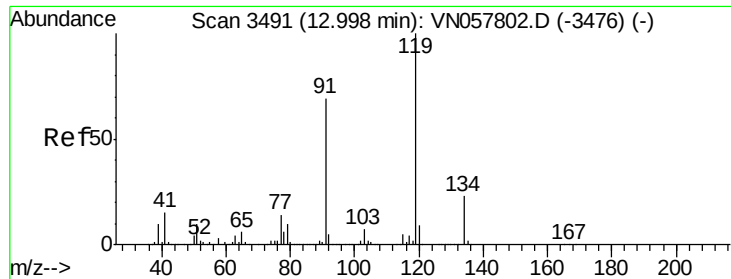
Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Tgt Ion:	91	Resp:	353663
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	48.0





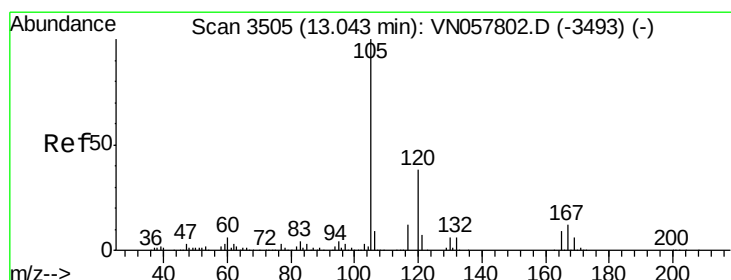
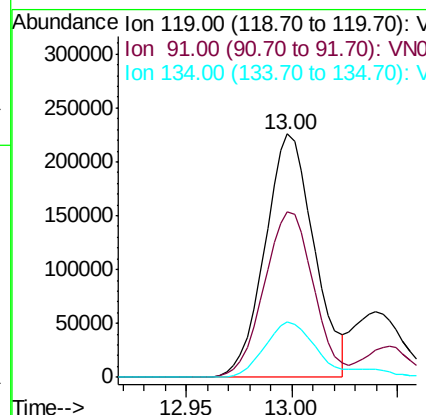
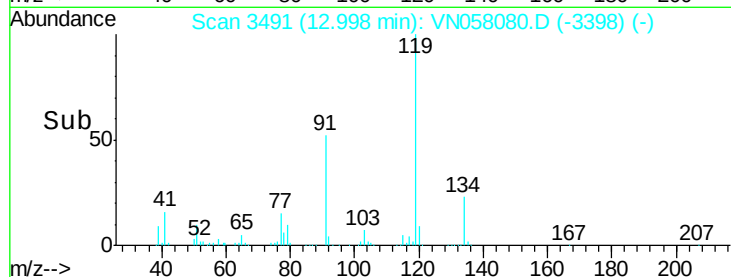
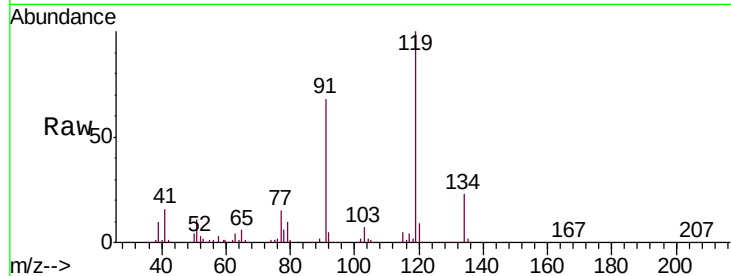
#83
 tert-Butylbenzene
 Concen: 21.488 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	365903		
91	68.4	33.6	100.8	
134	23.5	11.7	35.0	

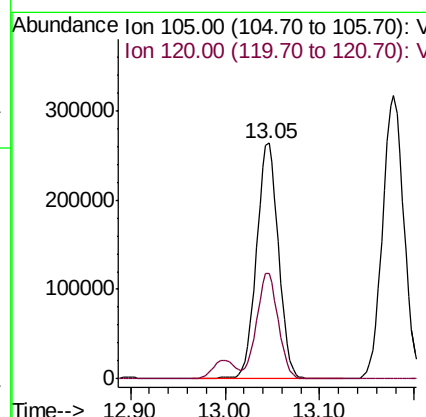
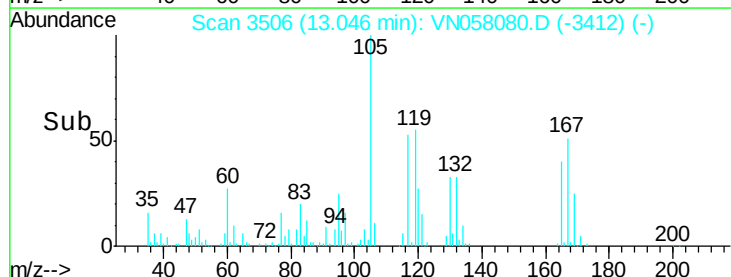
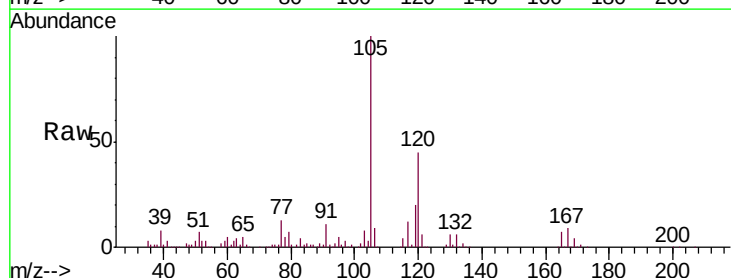
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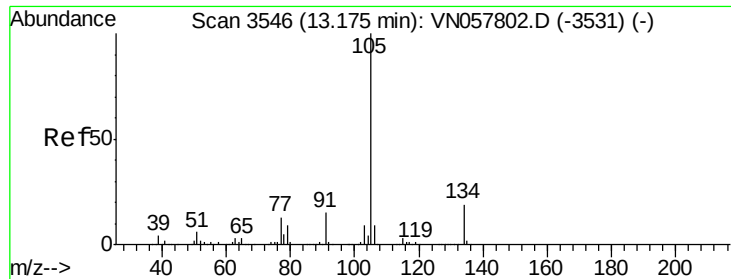
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.860 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	425619		
120	44.1	22.4	67.2	





#85

sec-Butylbenzene

Concen: 21.939 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

ClientSampled :

VN0915WBSD01

Tgt Ion:105 Resp: 495164

Ion Ratio Lower Upper

105 100

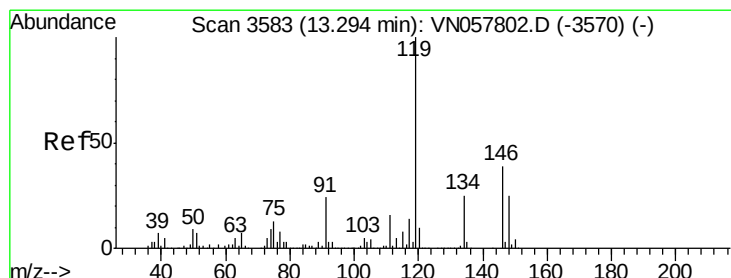
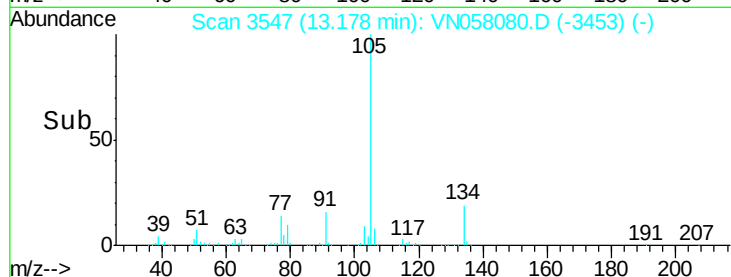
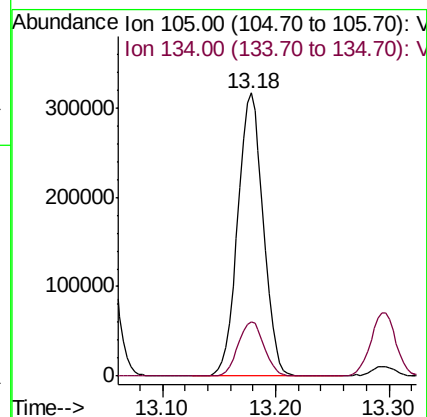
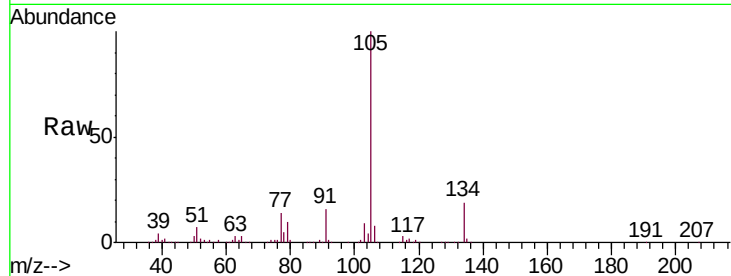
134 19.6 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.279 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

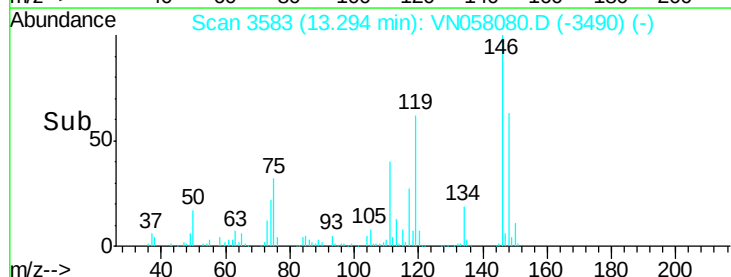
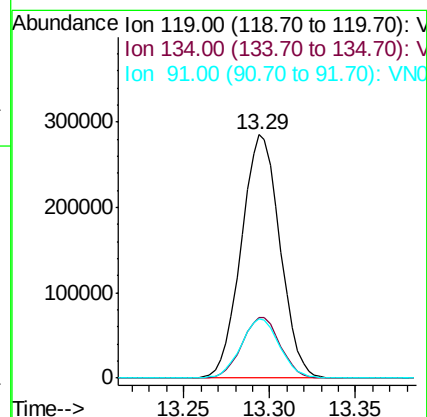
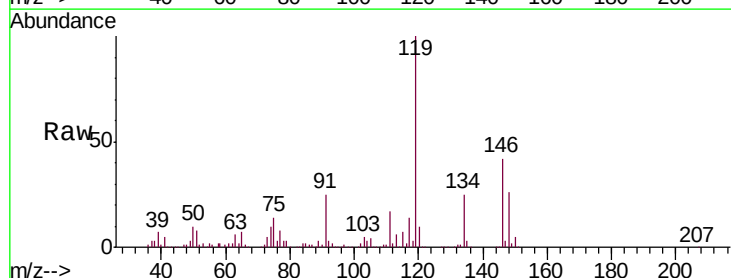
Tgt Ion:119 Resp: 443056

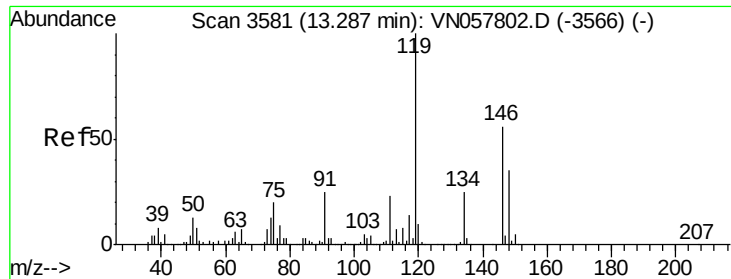
Ion Ratio Lower Upper

119 100

134 24.9 12.5 37.5

91 24.6 12.3 36.8





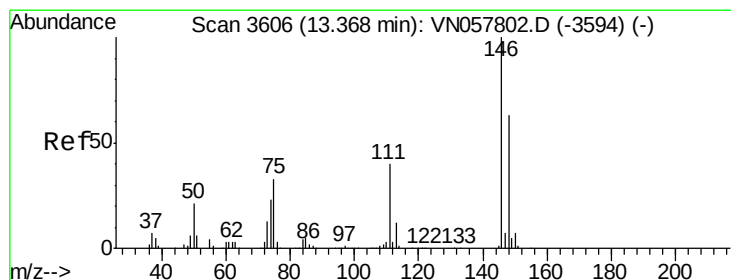
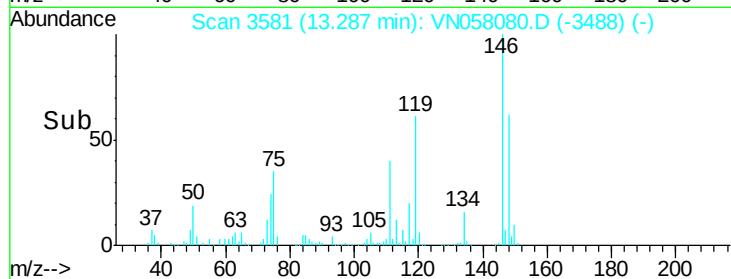
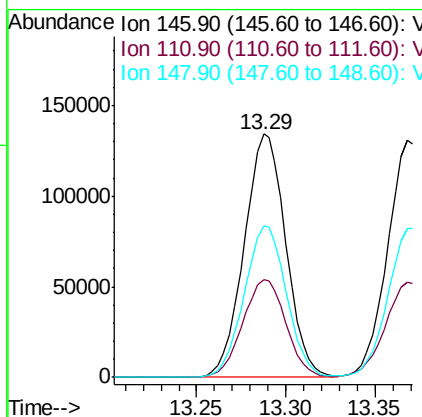
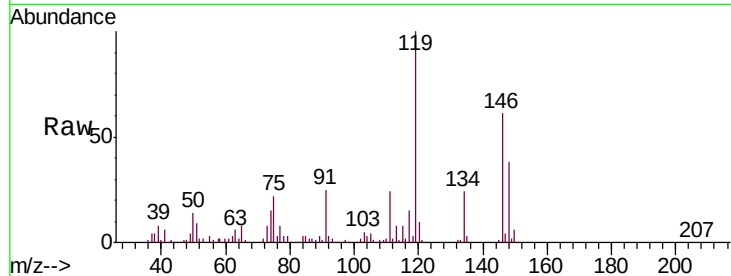
#87
 1,3-Dichlorobenzene
 Concen: 21.140 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0915WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	219335		
111	41.7	20.5	61.6	
148	63.3	31.5	94.5	

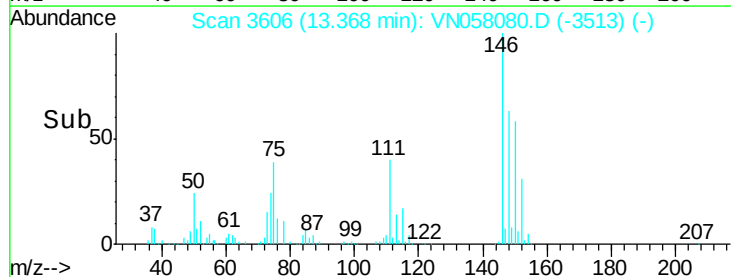
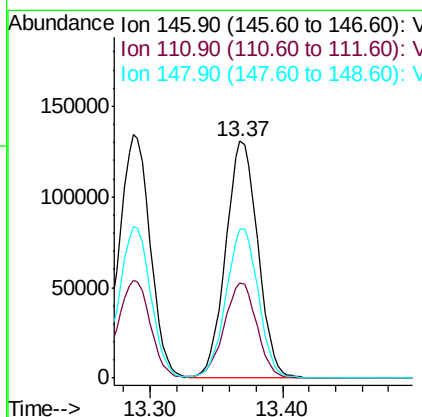
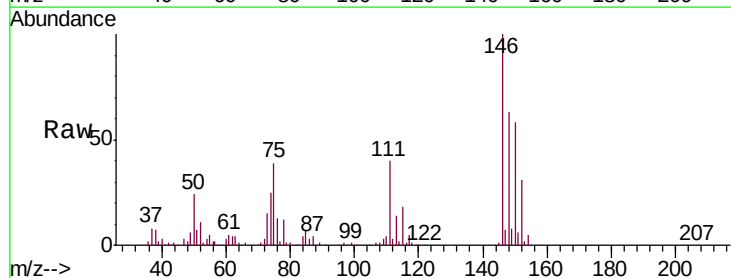
Manual Integrations
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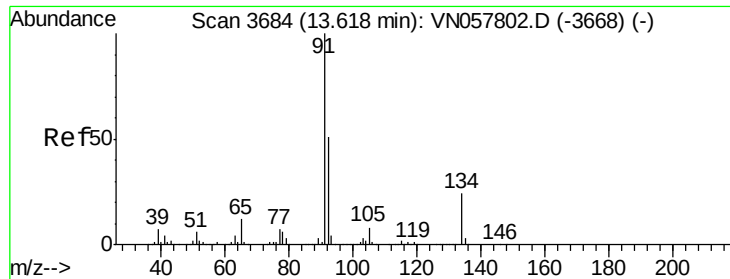
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#88
 1,4-Dichlorobenzene
 Concen: 20.837 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	219451		
111	41.2	20.4	61.2	
148	63.7	31.8	95.4	





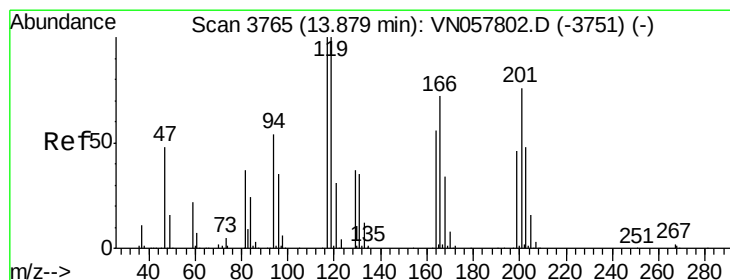
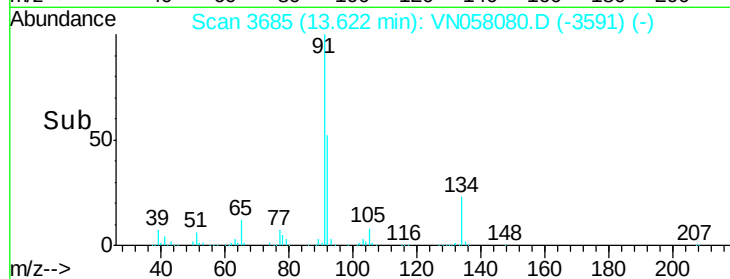
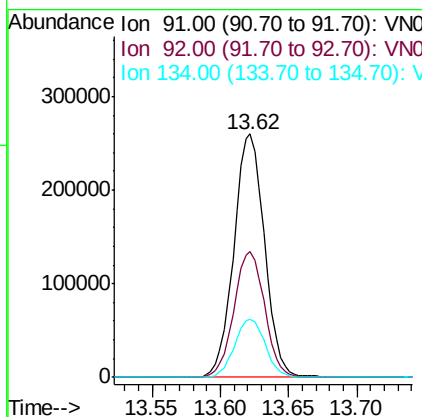
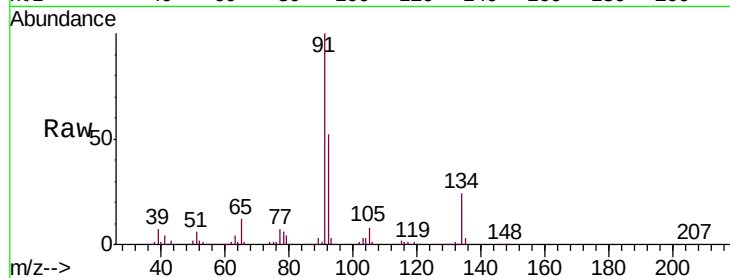
#89
n-Butylbenzene
Concen: 21.590 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Instrument :
MSVOA_N
ClientSampleId :
VN0915WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.7	77.0
134	24.0	11.9	35.7

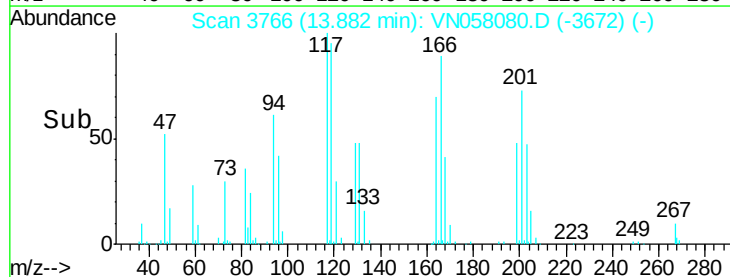
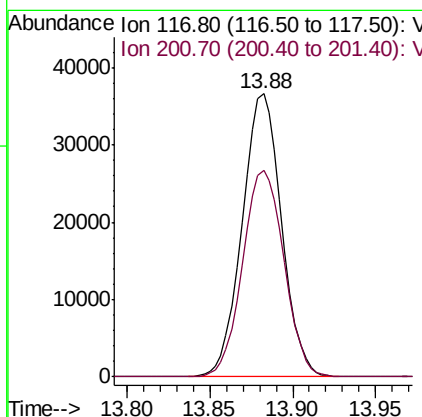
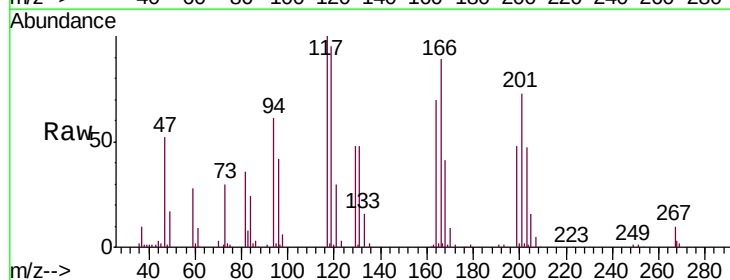
Manual Integrations
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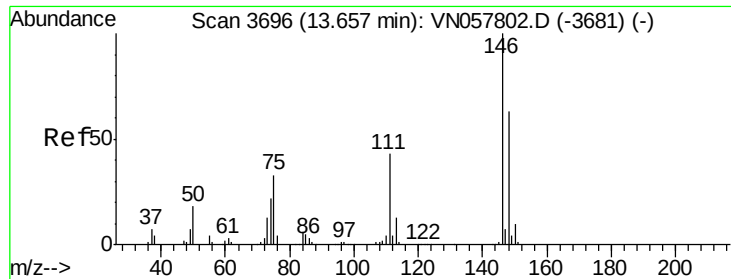
MMDadoda
9/18/2019 1:56:13 PM



#90
Hexachloroethane
Concen: 20.467 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058080.D
Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.6	37.5	112.7





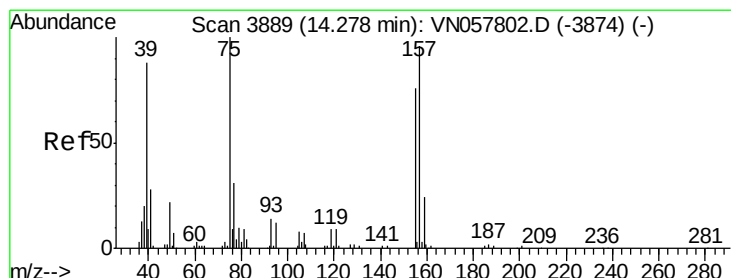
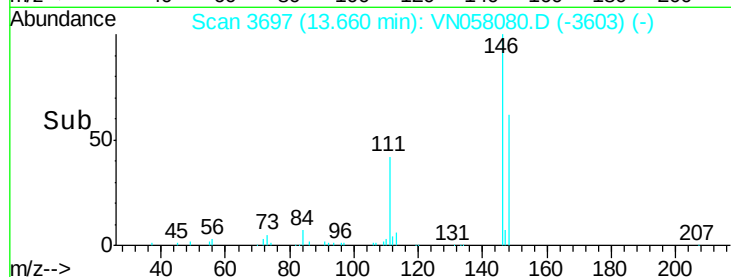
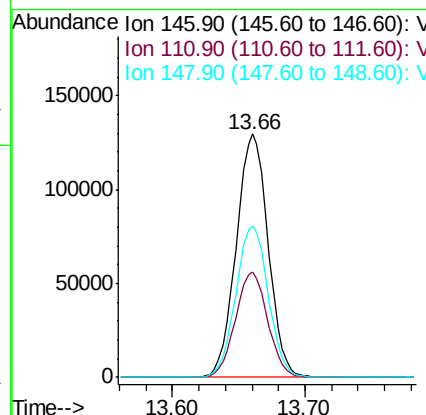
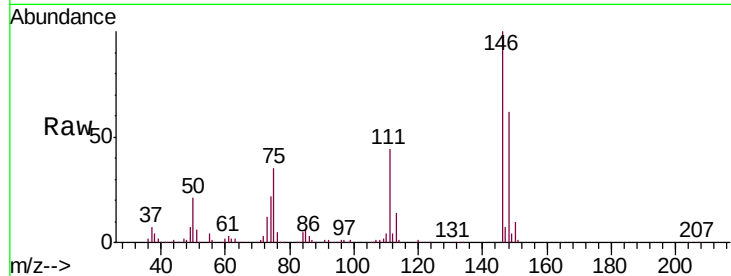
#91
 1,2-Dichlorobenzene
 Concen: 20.897 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	216607		
111	43.8	21.3	63.9	
148	63.1	31.4	94.3	

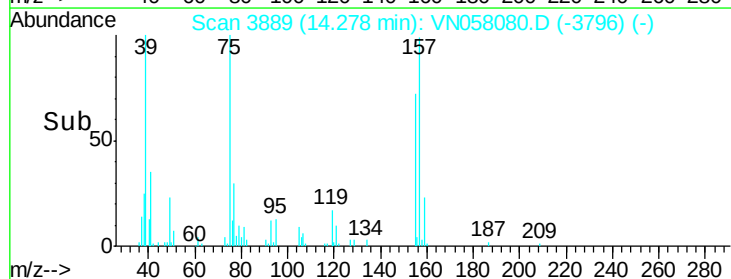
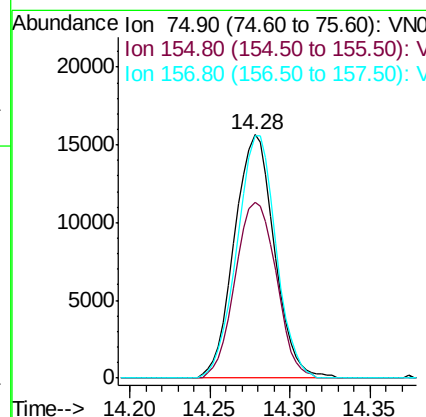
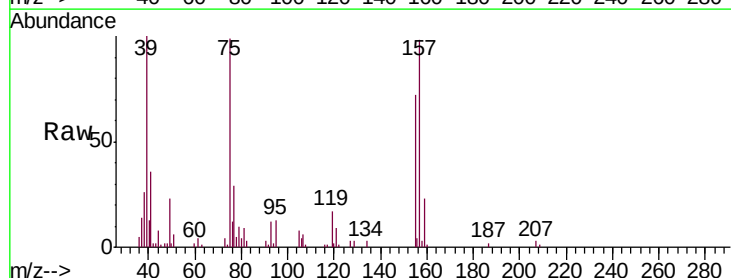
Manual Integrations
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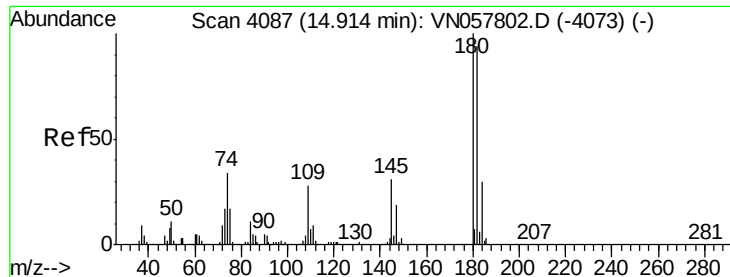
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.174 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26693		
155	74.1	37.3	111.8	
157	97.0	47.9	143.8	





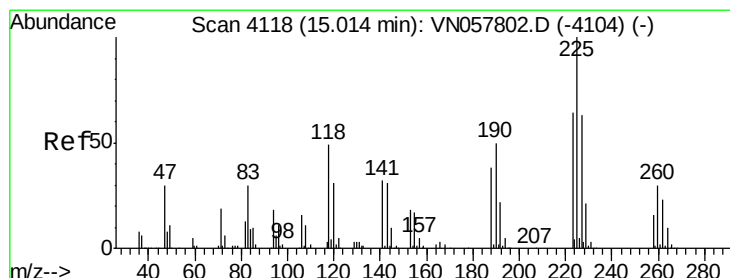
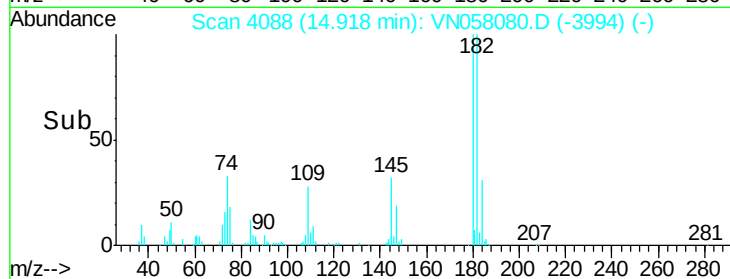
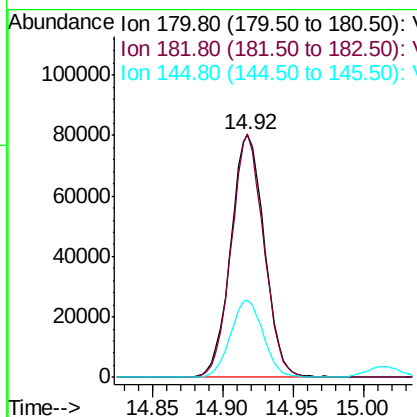
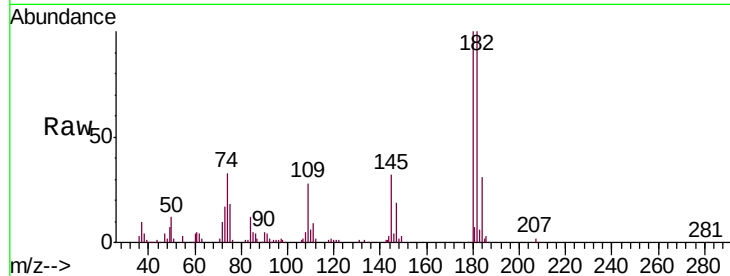
#93
 1,2,4-Trichlorobenzene
 Concen: 19.805 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0915WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134184		
182	96.7	46.9	140.8	
145	30.8	14.9	44.7	

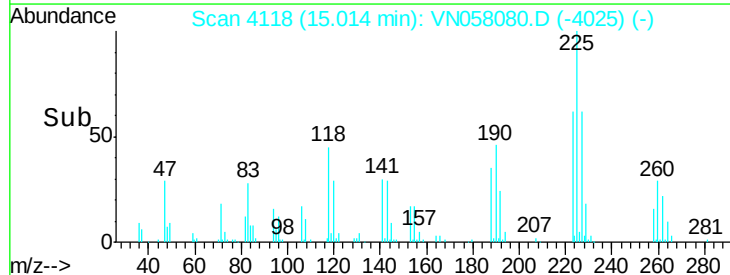
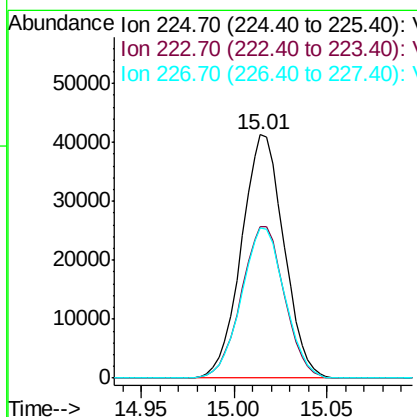
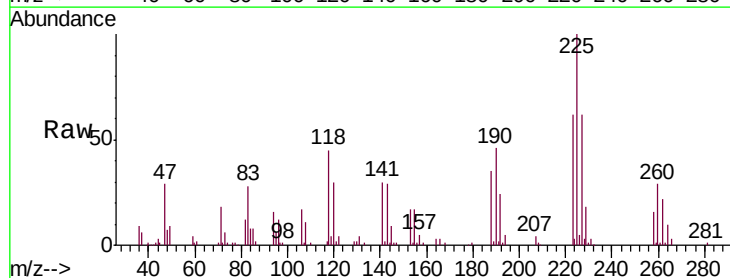
Manual Integrations
 APPROVED

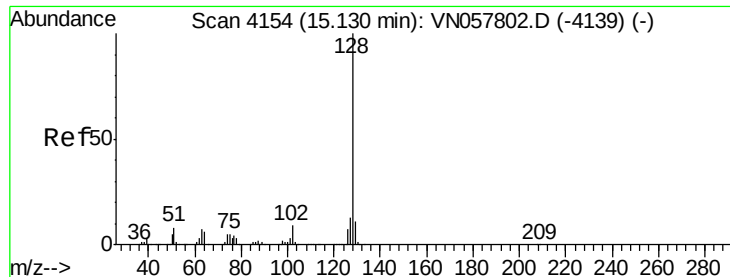
MMDadoda
 9/18/2019 1:56:13 PM



#94
 Hexachlorobutadiene
 Concen: 22.859 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058080.D
 Acq: 15 Sep 2019 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65650		
223	63.1	32.4	97.2	
227	62.8	31.8	95.4	





#95

Naphthalene

Concen: 20.974 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Instrument :

MSVOA_N

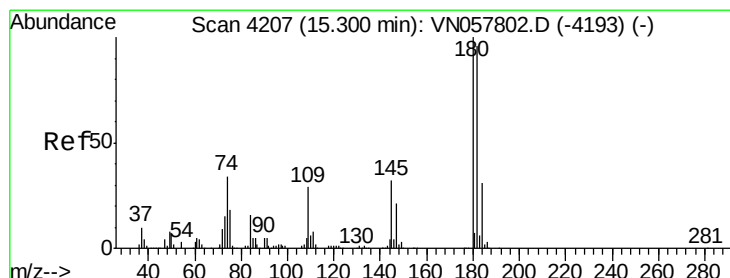
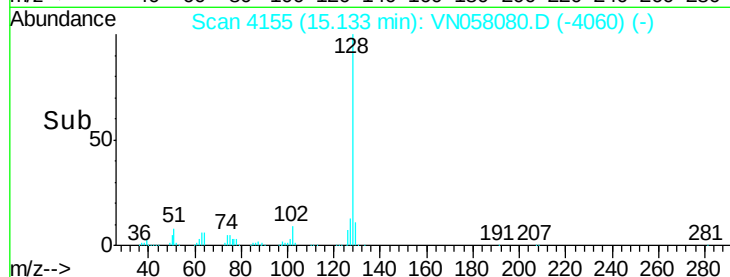
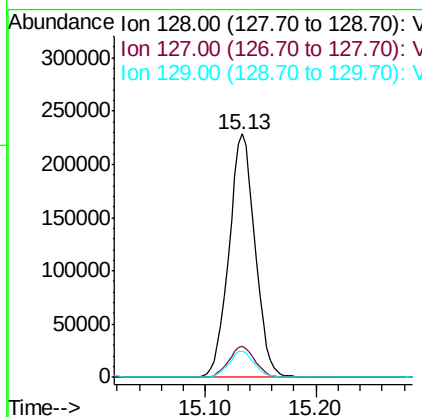
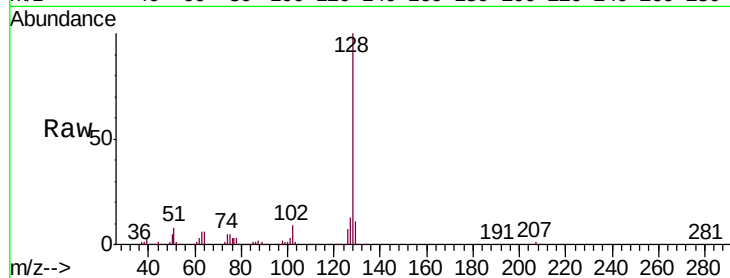
ClientSampleId :

VN0915WBSD01

Tgt Ion:	128	Resp:	374341
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.5	8.6	12.8

Manual Integrations
APPROVED

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9/18/2019 1:56:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.571 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058080.D

Acq: 15 Sep 2019 10:07

Tgt Ion:	180	Resp:	130196
Ion Ratio	Lower	Upper	
180	100		
182	93.1	48.3	144.8
145	32.0	16.3	48.8

