

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057446.D
 Acq On : 22 Aug 2019 21:16
 Operator : JC/SP
 Sample : VN0822WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:30 PM

Quant Time: Aug 23 05:29:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	381657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	711140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	607025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	338064	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
35) Dibromofluoromethane	7.58	113	229250	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
50) Toluene-d8	10.09	98	878148	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	12.40	95	275228	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	97449	21.637	ug/l	92
3) Chloromethane	2.05	50	129778	20.175	ug/l	97
4) Vinyl Chloride	2.17	62	160751	20.532	ug/l	98
5) Bromomethane	2.54	94	102336	21.209	ug/l	96
6) Chloroethane	2.69	64	101531	20.160	ug/l	100
7) Trichlorofluoromethane	3.00	101	246428	20.277	ug/l	98
8) Diethyl Ether	3.39	74	89647	21.087	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	132386	21.262	ug/l	98
10) Methyl Iodide	3.92	142	99401	20.030	ug/l	100
11) Tert butyl alcohol	4.79	59	84766	101.617	ug/l	98
12) 1,1-Dichloroethene	3.71	96	128850	19.834	ug/l	99
13) Acrolein	3.58	56	73396	100.062	ug/l	96
14) Allyl chloride	4.29	41	169590	19.733	ug/l	97
15) Acrylonitrile	4.97	53	230681	102.543	ug/l	98
16) Acetone	3.80	43	216654	70.268	ug/l	99
17) Carbon Disulfide	4.02	76	238732	19.265	ug/l	100
18) Methyl Acetate	4.31	43	141907	20.770	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	295577	18.849	ug/l	97
20) Methylene Chloride	4.52	84	92620	20.216	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	85382	18.625	ug/l	98
22) Diisopropyl ether	5.93	45	365374	19.823	ug/l	98
23) Vinyl Acetate	5.87	43	1397975	97.107	ug/l	100
24) 1,1-Dichloroethane	5.82	63	189145	19.363	ug/l	98
25) 2-Butanone	6.82	43	323315	96.569	ug/l	100
26) 2,2-Dichloropropane	6.80	77	143901	17.012	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	107040	19.698	ug/l	95
28) Bromochloromethane	7.18	49	108991	20.719	ug/l #	22
29) Tetrahydrofuran	7.20	42	224680	101.773	ug/l	99
30) Chloroform	7.36	83	184708	20.424	ug/l	95
31) Cyclohexane	7.64	56	188719	20.010	ug/l #	96
32) 1,1,1-Trichloroethane	7.55	97	160683	19.176	ug/l	100
36) 1,1-Dichloropropene	7.78	75	133181	18.328	ug/l	98
37) Ethyl Acetate	6.91	43	138249	19.254	ug/l	98
38) Carbon Tetrachloride	7.76	117	131479	18.213	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	164362	19.045	ug/l	97
40) Benzene	8.03	78	405456	18.591	ug/l	98
41) Methacrylonitrile	7.17	41	61512m	17.966	ug/l	
42) 1,2-Dichloroethane	8.11	62	159727	19.021	ug/l	100
43) Isopropyl Acetate	8.16	43	245736	18.665	ug/l	99
44) Trichloroethene	8.82	130	90793	18.649	ug/l	95
45) 1,2-Dichloropropane	9.11	63	114796	18.690	ug/l	100
46) Dibromomethane	9.20	93	70655	19.396	ug/l	96
47) Bromodichloromethane	9.40	83	148804	18.363	ug/l	99
48) Methyl methacrylate	9.19	41	118542	18.935	ug/l	98
49) 1,4-Dioxane	9.20	88	31702	391.584	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	694977	94.716	ug/l	100
52) Toluene	10.15	92	235651	18.747	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	153393	18.072	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	166112	17.577	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	92800	18.256	ug/l	97
56) Ethyl methacrylate	10.43	69	156295	19.545	ug/l	98
57) 1,3-Dichloropropane	10.70	76	167197	18.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	189242	96.238	ug/l	99
59) 2-Hexanone	10.75	43	477785	94.937	ug/l	99
60) Dibromochloromethane	10.90	129	97893	18.223	ug/l	100
61) 1,2-Dibromoethane	11.00	107	96597	19.374	ug/l	99
64) Tetrachloroethene	10.63	164	83884	19.752	ug/l	98
65) Chlorobenzene	11.43	112	225203	18.353	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	88772	18.864	ug/l	99
67) Ethyl Benzene	11.51	91	446524	18.800	ug/l	99
68) m/p-Xylenes	11.62	106	308447	38.187	ug/l	99
69) o-Xylene	11.95	106	151484	18.932	ug/l	96
70) Styrene	11.96	104	243914	19.251	ug/l	99
71) Bromoform	12.13	173	57618	18.112	ug/l #	97
73) Isopropylbenzene	12.25	105	412329	21.668	ug/l	99
74) N-amyl acetate	12.07	43	191819	21.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	124170	22.916	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	119647m	26.019	ug/l	
77) Bromobenzene	12.53	156	84381	21.956	ug/l	96
78) n-propylbenzene	12.59	91	440753	20.855	ug/l	100
79) 2-Chlorotoluene	12.67	91	269044	21.375	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	330965	21.393	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37350	19.466	ug/l	99
82) 4-Chlorotoluene	12.78	91	255787	20.989	ug/l	99
83) tert-Butylbenzene	12.99	119	283457	21.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	314814	20.834	ug/l	99
85) sec-Butylbenzene	13.17	105	366812	21.323	ug/l	99
86) p-Isopropyltoluene	13.29	119	299267	19.698	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	120622	19.213	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	120008	19.519	ug/l	99
89) n-Butylbenzene	13.62	91	252962	19.676	ug/l	99
90) Hexachloroethane	13.88	117	67103	21.588	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	121592	20.288	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19692	20.910	ug/l	96

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ClientSampleId :
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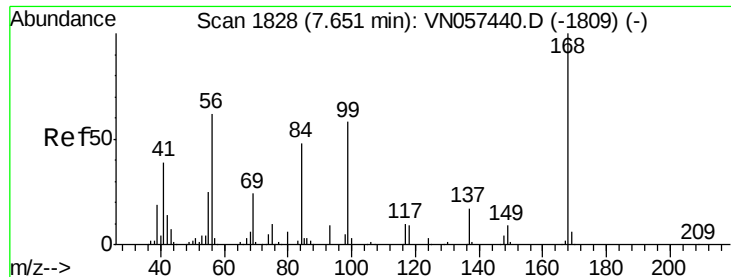
Manual Integrations
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QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	35815	18.555	ug/l	98
94) Hexachlorobutadiene	15.01	225	35806	21.620	ug/l	98
95) Naphthalene	15.13	128	119713	18.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	35087	18.115	ug/l	96

(#) = 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: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion:168 Resp: 381657

Ion Ratio Lower Upper

168 100

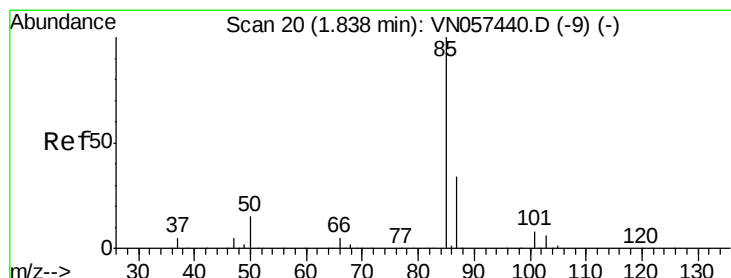
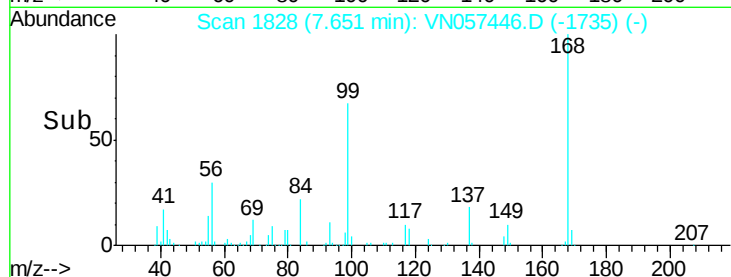
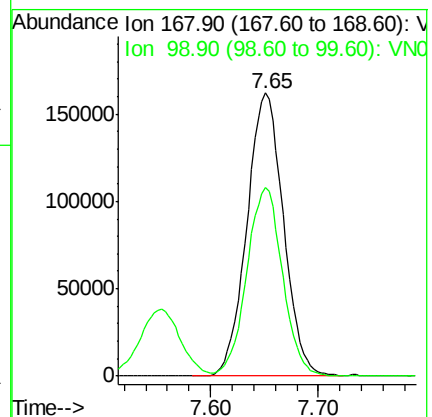
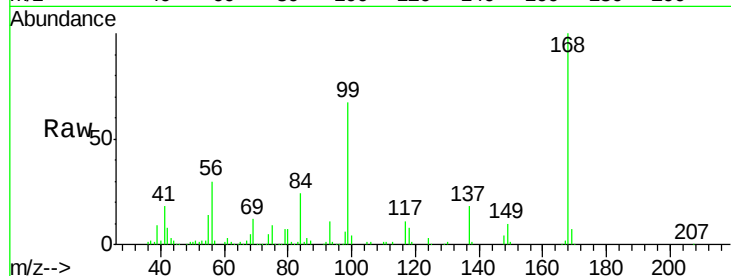
99 66.5 50.6 76.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.637 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057446.D

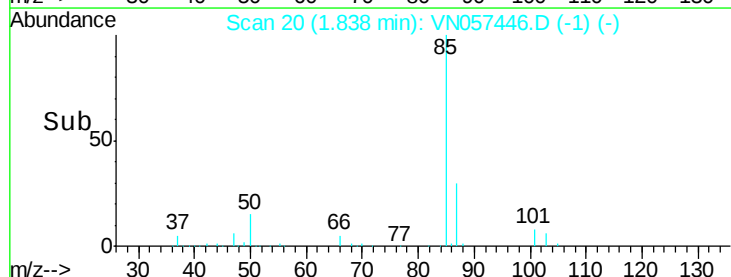
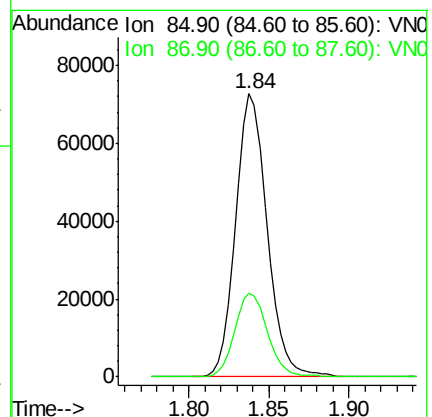
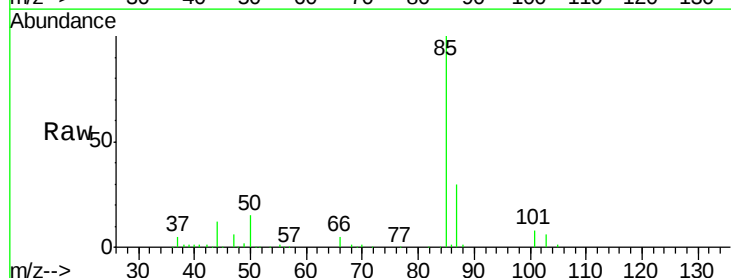
Acq: 22 Aug 2019 21:16

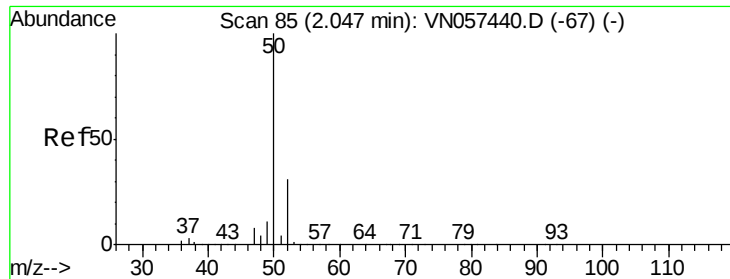
Tgt Ion: 85 Resp: 97449

Ion Ratio Lower Upper

85 100

87 29.6 17.1 51.2





#3

Chloromethane

Concen: 20.175 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 50 Resp: 129778

Ion Ratio Lower Upper

50 100

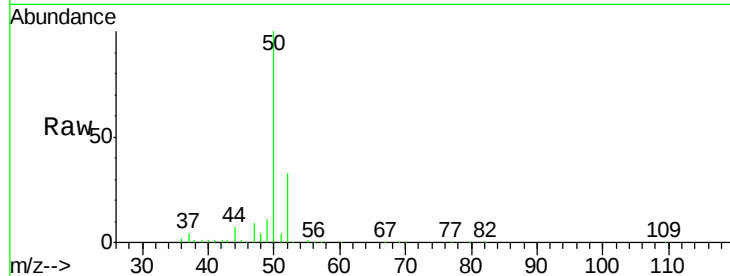
52 33.1 25.1 37.7

Manual Integrations

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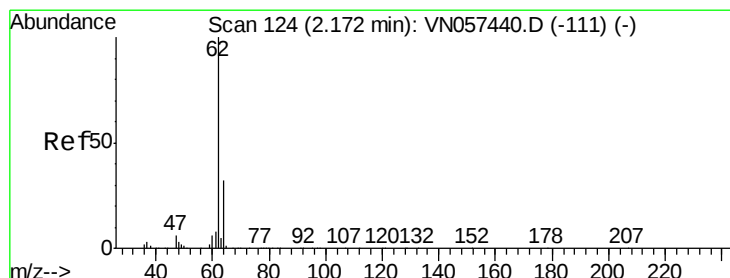
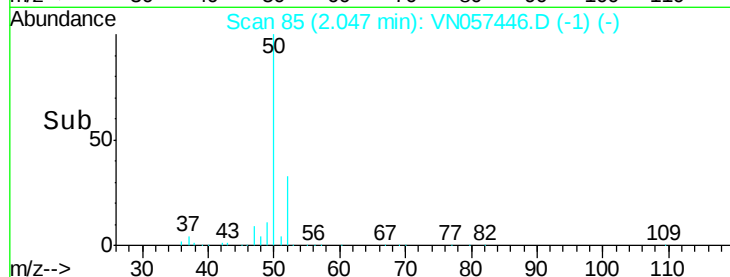
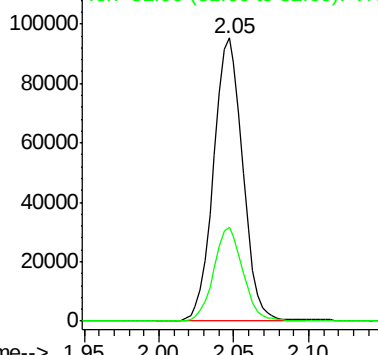
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.532 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057446.D

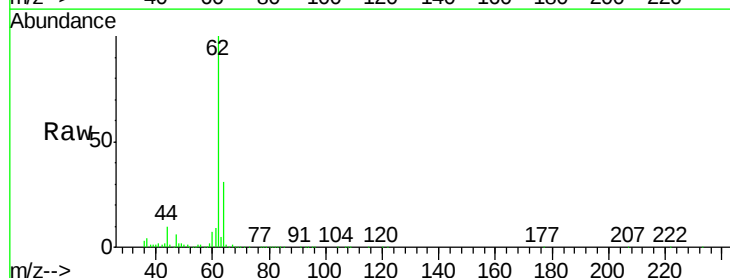
Acq: 22 Aug 2019 21:16

Tgt Ion: 62 Resp: 160751

Ion Ratio Lower Upper

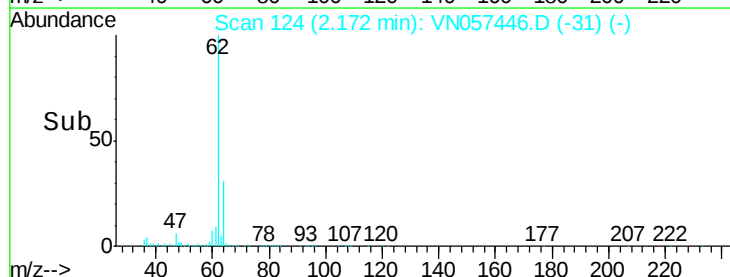
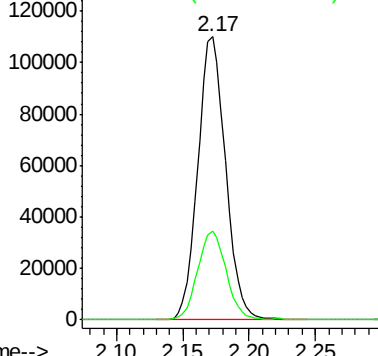
62 100

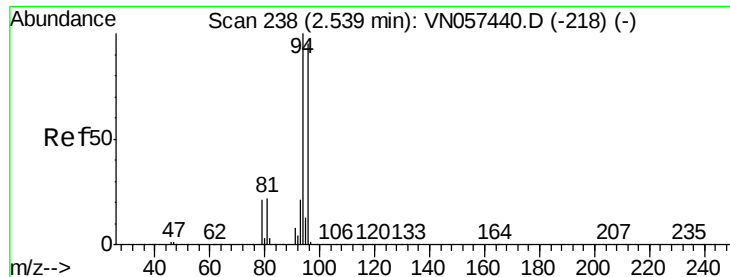
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.209 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 94 Resp: 102336

Ion Ratio Lower Upper

94 100

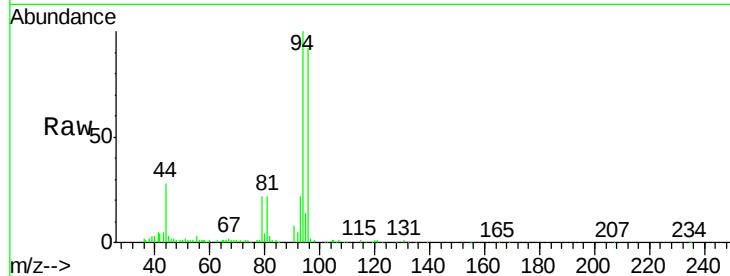
96 91.1 76.2 114.4

Manual Integrations

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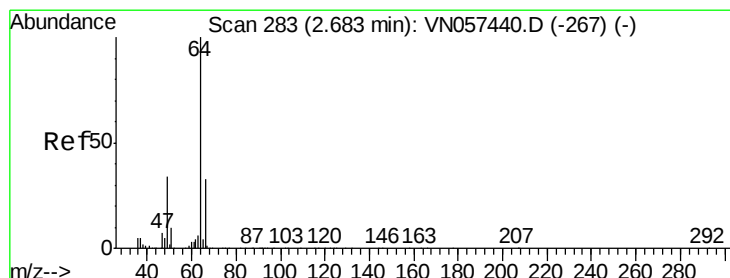
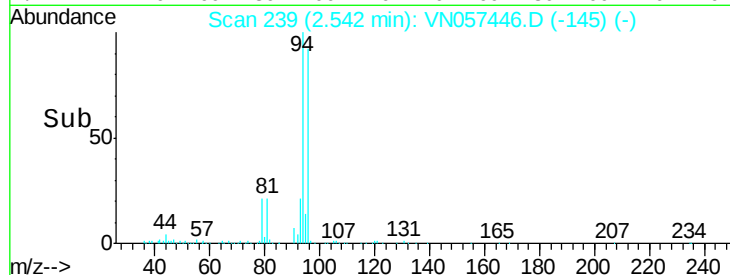
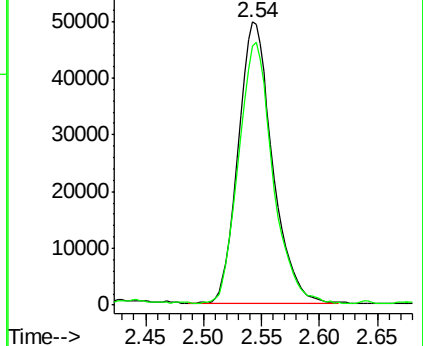
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 20.160 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN057446.D

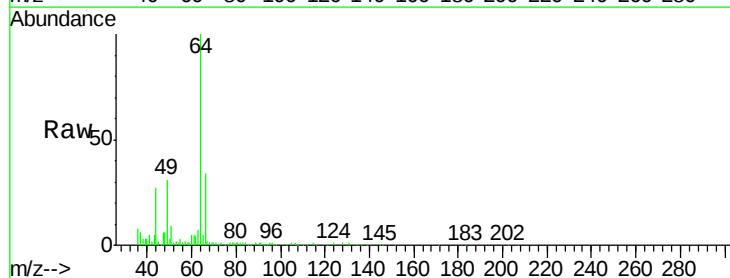
Acq: 22 Aug 2019 21:16

Tgt Ion: 64 Resp: 101531

Ion Ratio Lower Upper

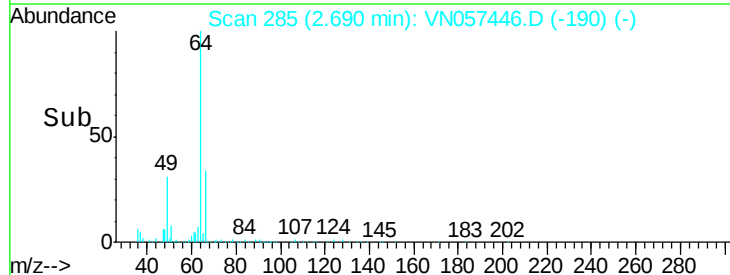
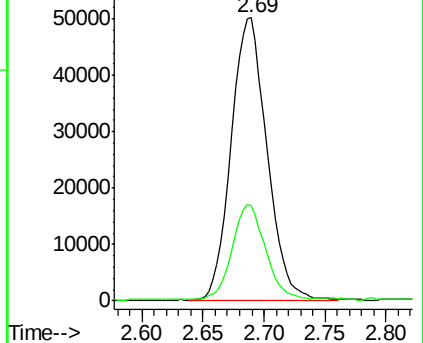
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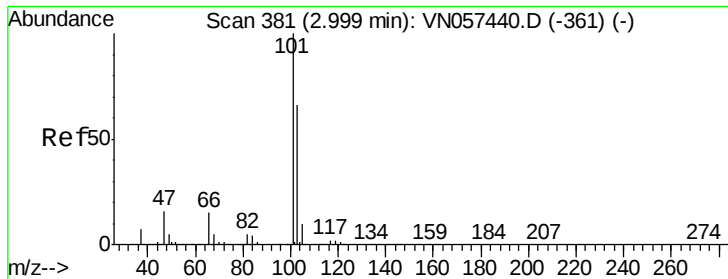
66 33.4 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

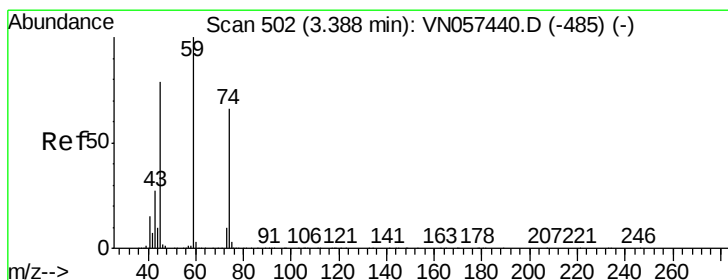
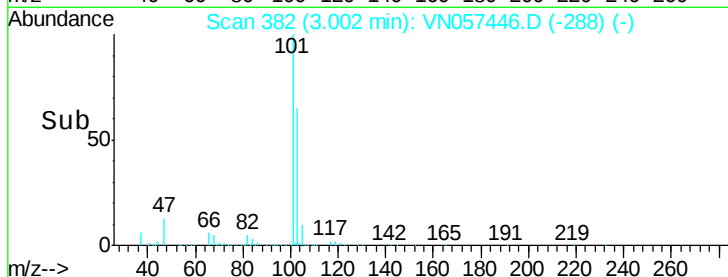
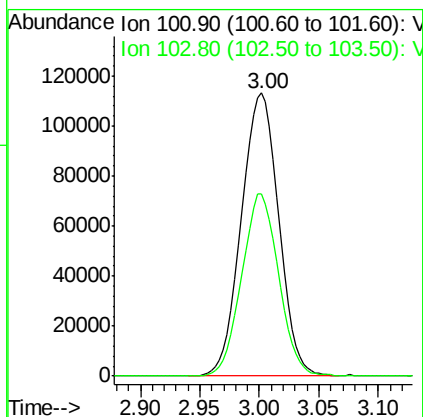
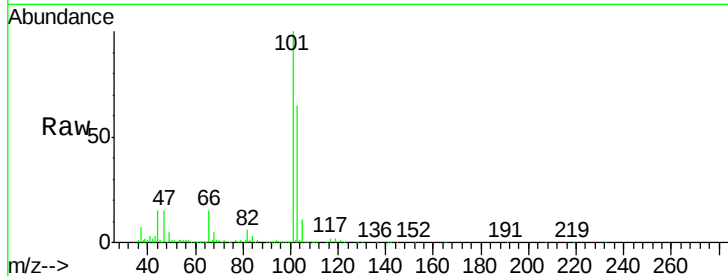
Trichlorofluoromethane
Concen: 20.277 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
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ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.6	78.8

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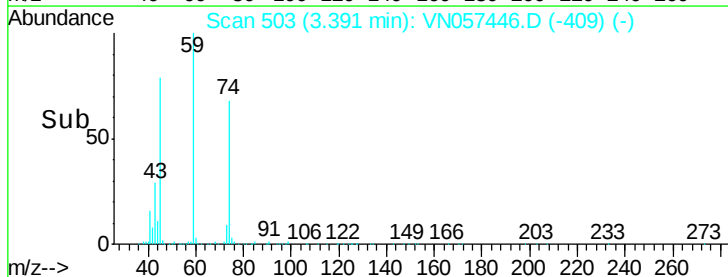
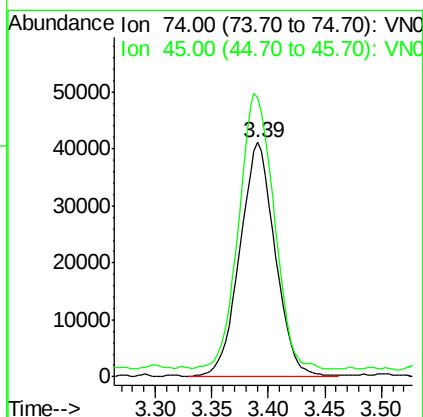
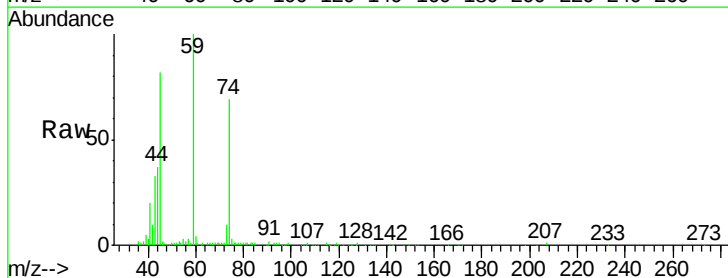
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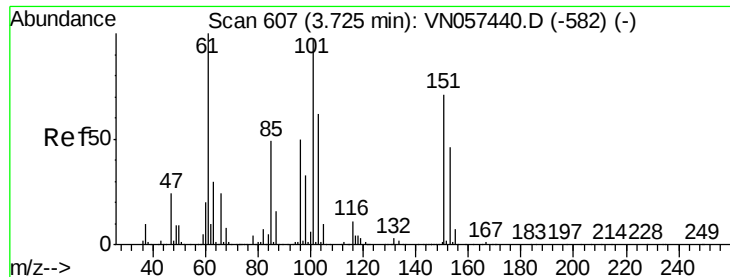


#8

Diethyl Ether
Concen: 21.087 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.9	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.262 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

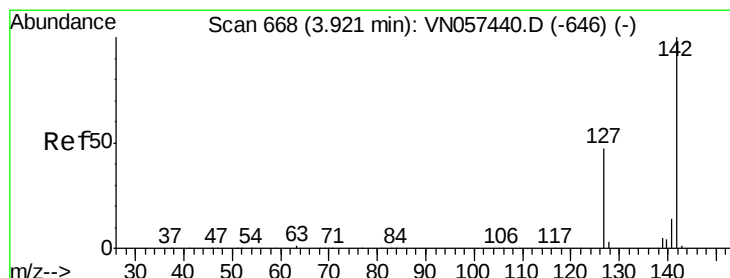
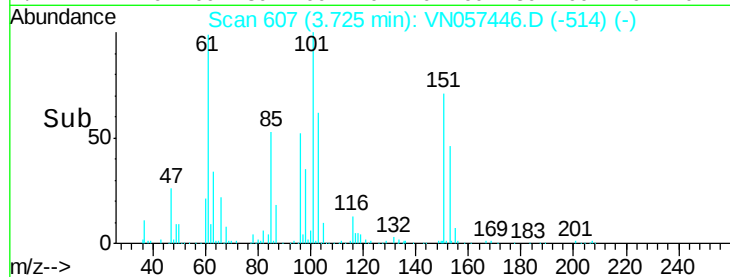
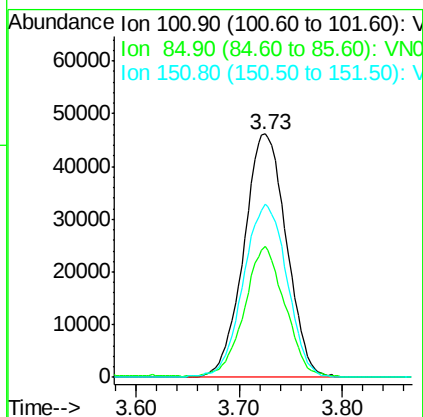
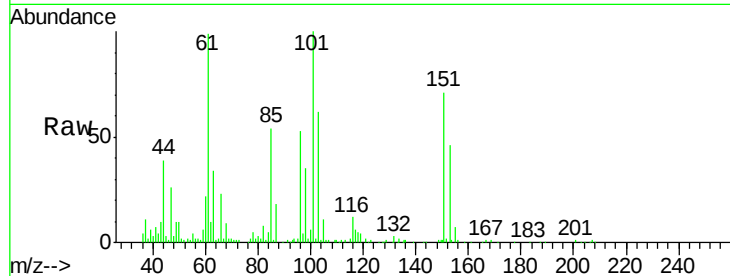
ClientSampleId :

VN0822WBSD01

Tot Ion:	101	Resp:	132386
Ion Ratio	Lower	Upper	
101	100		
85	51.9	40.0	60.0
151	72.8	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.030 ug/l

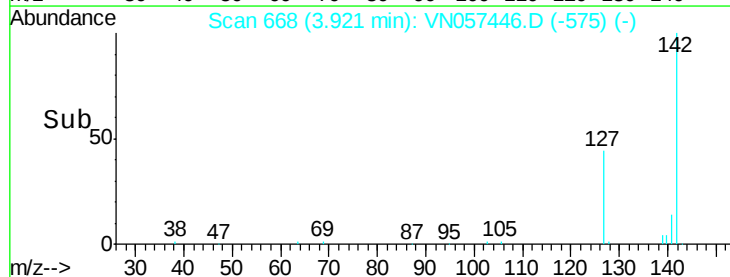
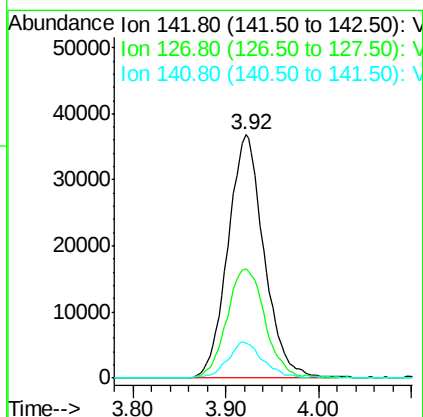
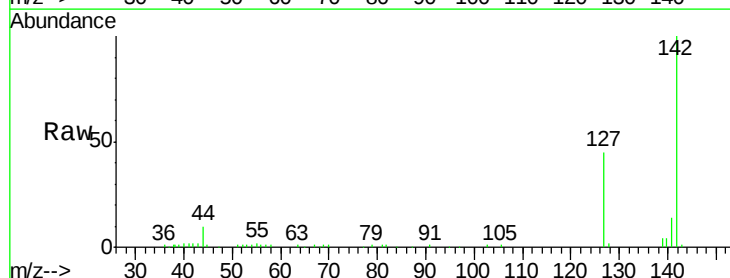
RT: 3.92 min Scan# 668

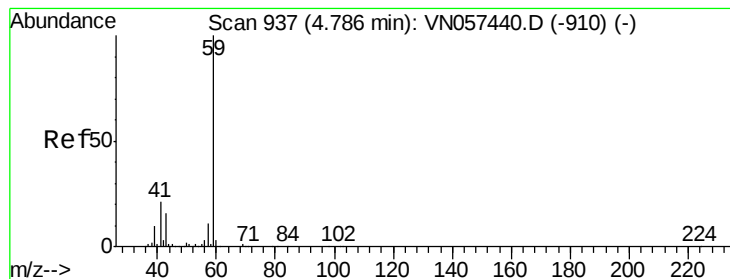
Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion:	142	Resp:	99401
Ion Ratio	Lower	Upper	
142	100		
127	47.2	37.8	56.8
141	14.3	11.9	17.9





#11

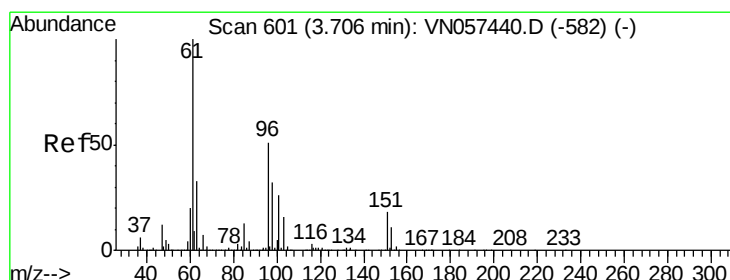
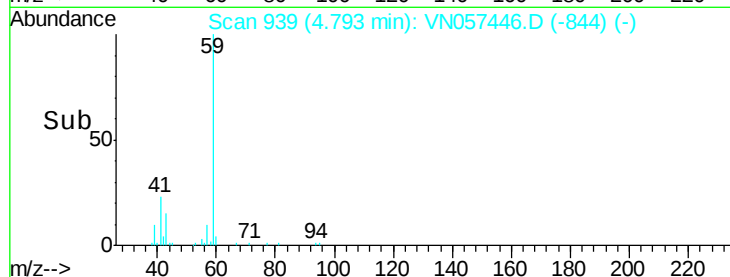
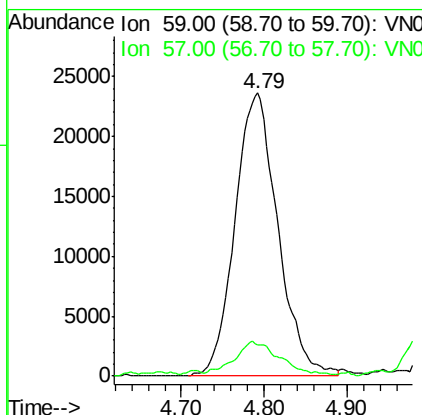
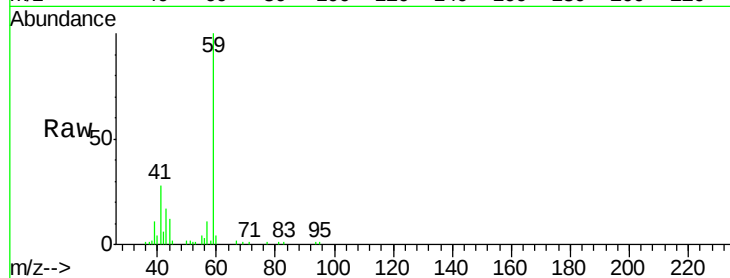
Tert butyl alcohol
 Concen: 101.617 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.1	13.7

Manual Integrations
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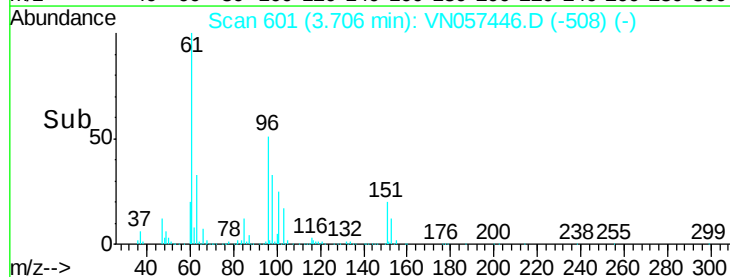
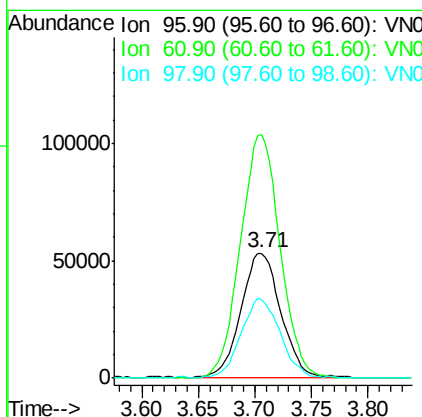
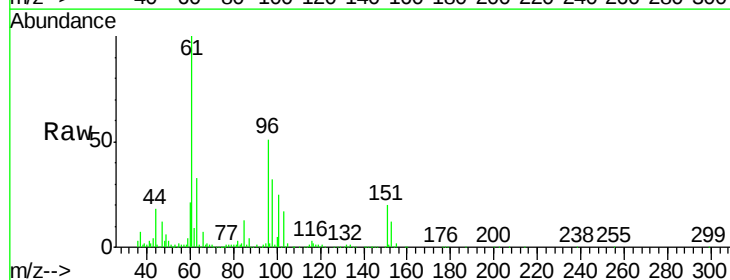
MMDadoda
 8/23/2019 2:40:30 PM

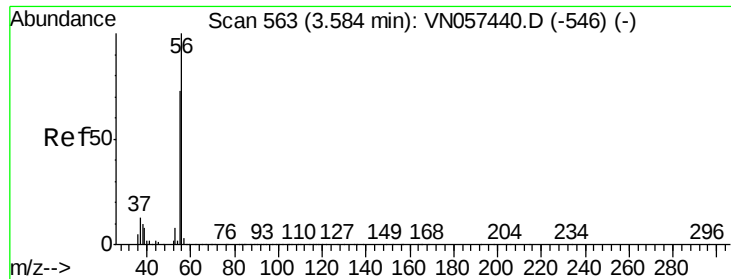


#12

1,1-Dichloroethene
 Concen: 19.834 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.7	155.3	232.9
98	63.0	50.2	75.2





#13

Acrolein

Concen: 100.062 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 56 Resp: 73396

Ion Ratio Lower Upper

56 100

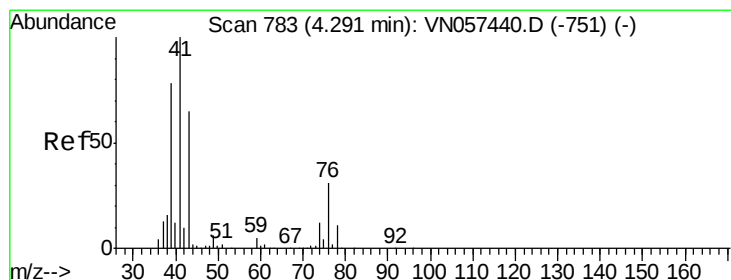
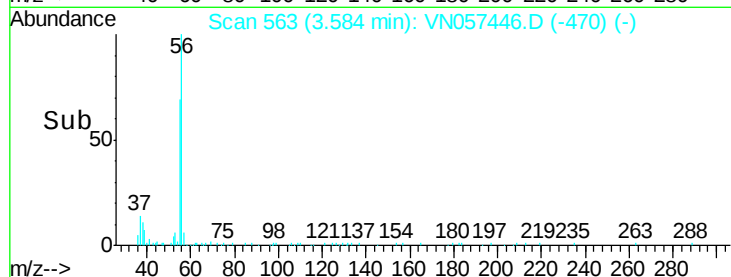
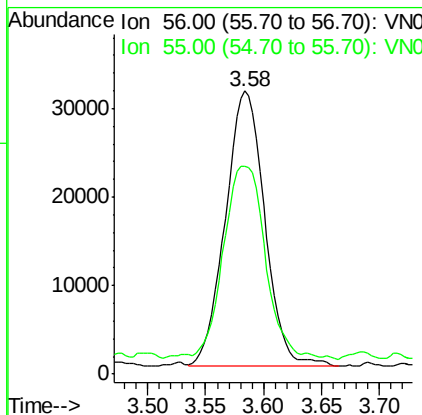
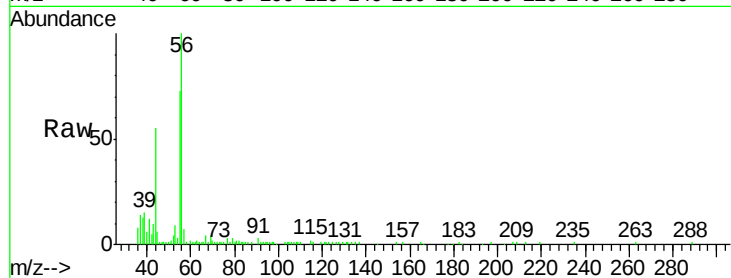
55 70.6 59.0 88.4

Manual Integrations

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#14

Allyl chloride

Concen: 19.733 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

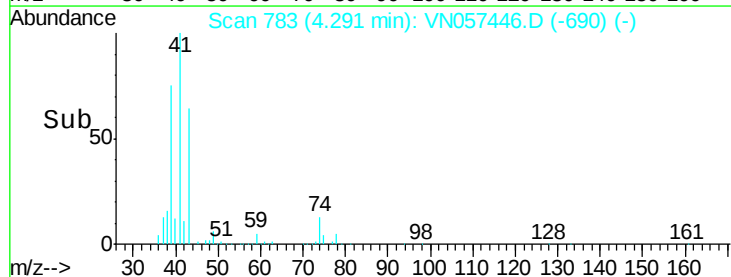
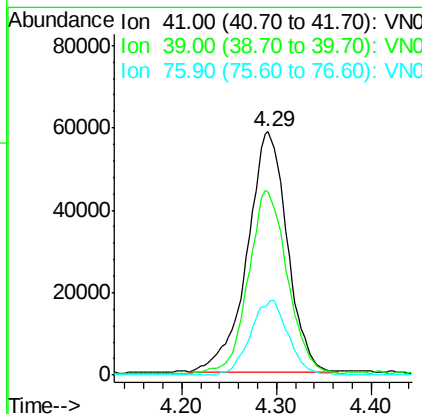
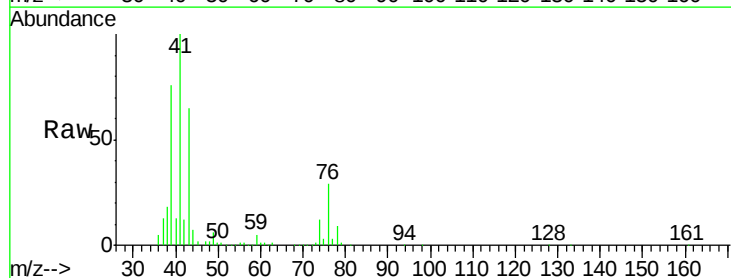
Tgt Ion: 41 Resp: 169590

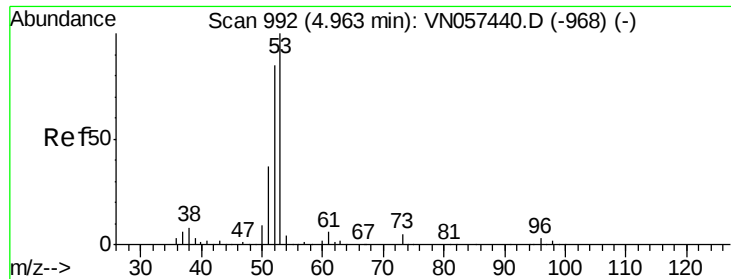
Ion Ratio Lower Upper

41 100

39 74.3 57.4 86.2

76 29.6 22.9 34.3





#15

Acrylonitrile

Concen: 102.543 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

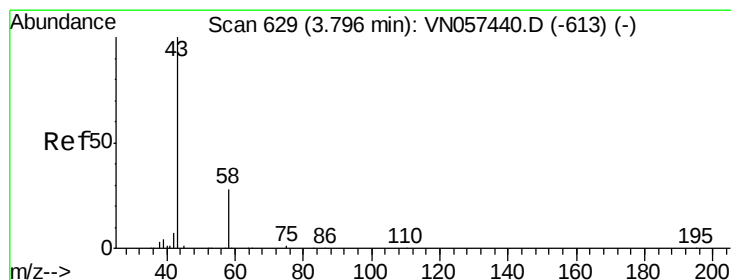
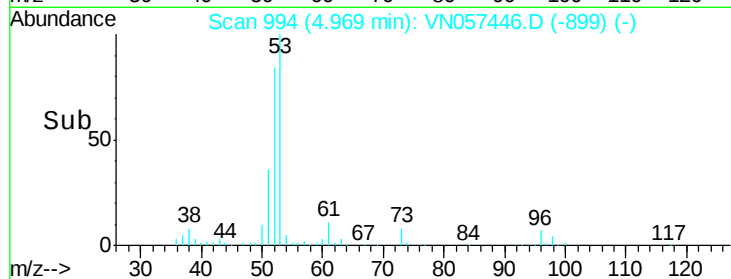
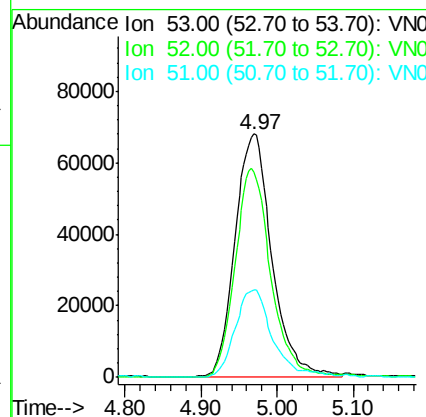
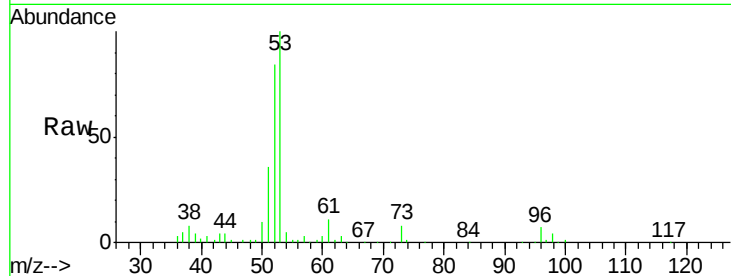
ClientSampleId :

VN0822WBSD01

Tot Ion:	53	Resp:	230681
Ion Ratio	Lower	Upper	
53	100		
52	82.4	67.0	100.6
51	36.1	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 70.268 ug/l

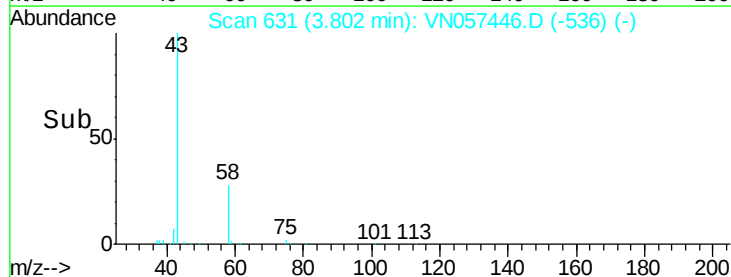
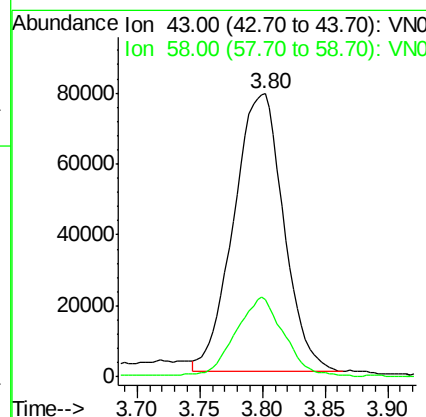
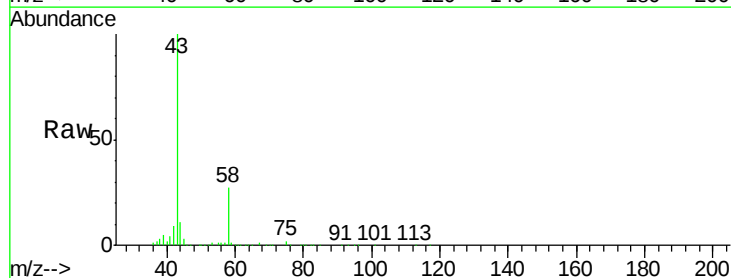
RT: 3.80 min Scan# 631

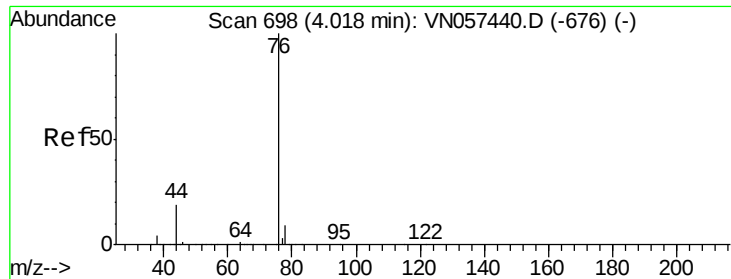
Delta R.T. 0.01 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion:	43	Resp:	216654
Ion Ratio	Lower	Upper	
43	100		
58	27.3	22.1	33.1





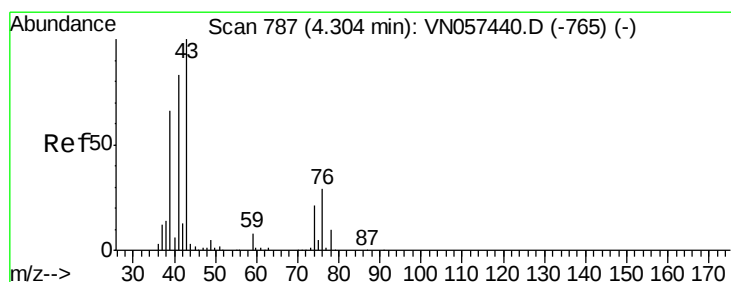
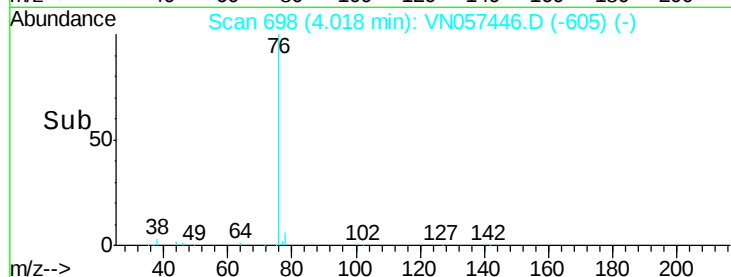
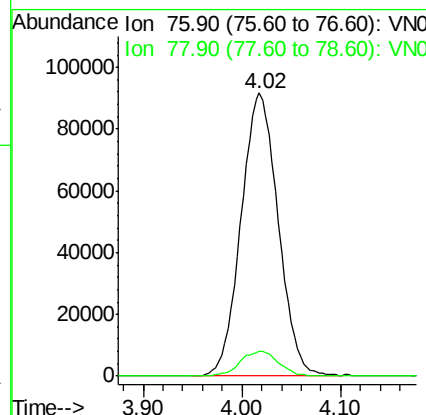
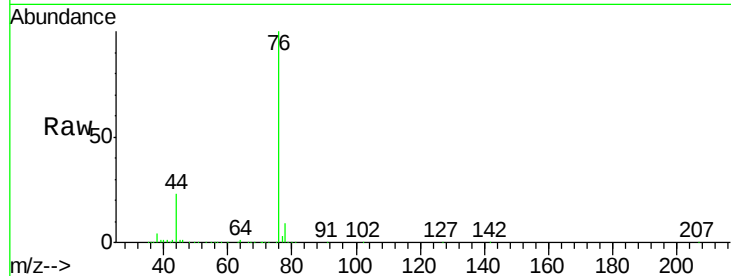
#17
Carbon Disulfide
Concen: 19.265 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

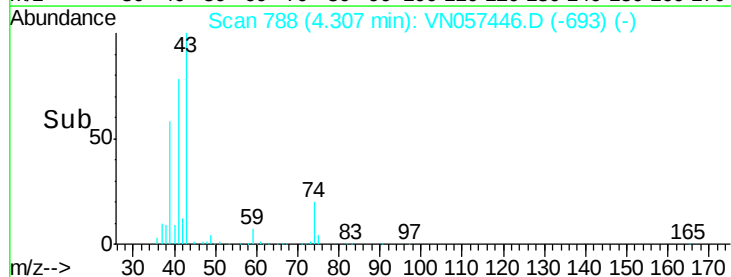
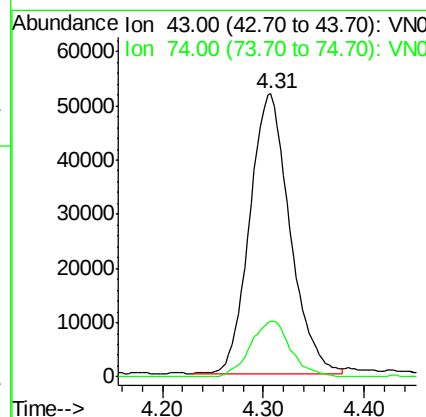
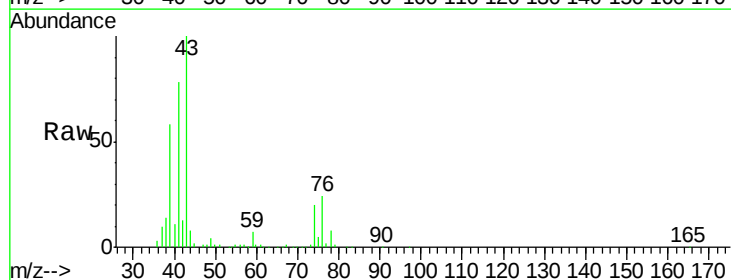
Manual Integrations
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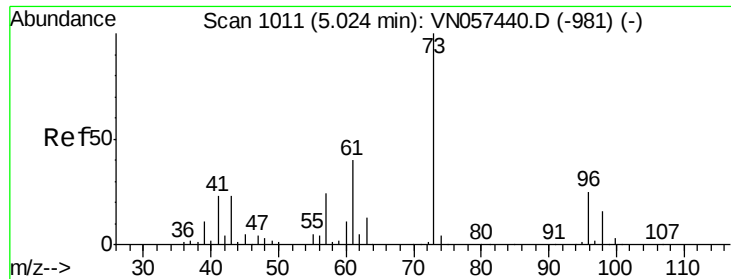
MMDadoda
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#18
Methyl Acetate
Concen: 20.770 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	15.9	23.9





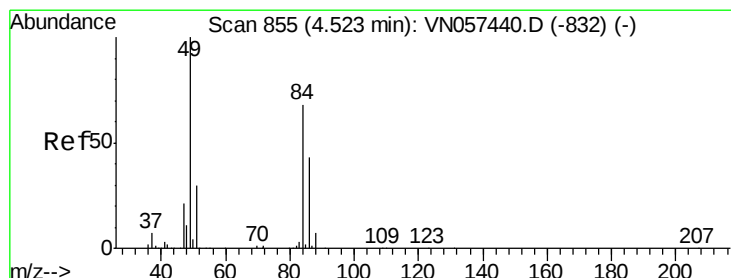
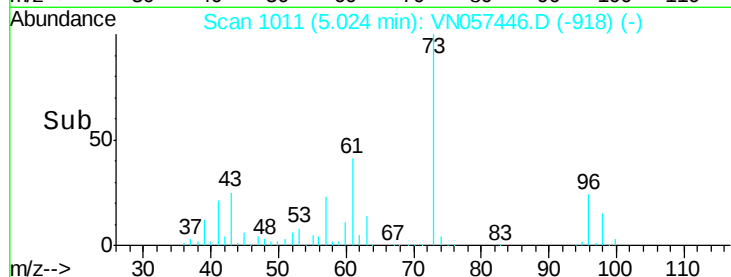
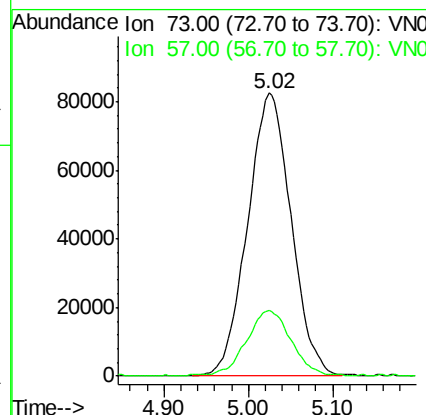
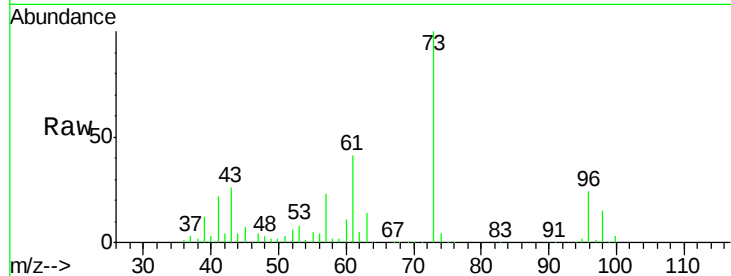
#19
Methvl tert-butvl Ether
Concen: 18.849 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion: 73 Resp: 295577
Ion Ratio Lower Upper
73 100
57 22.7 19.1 28.7

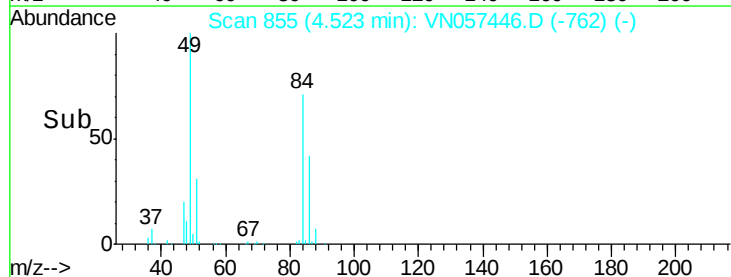
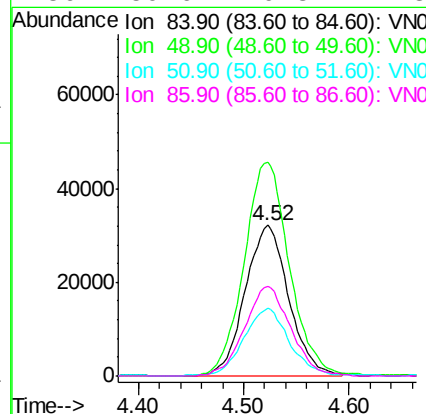
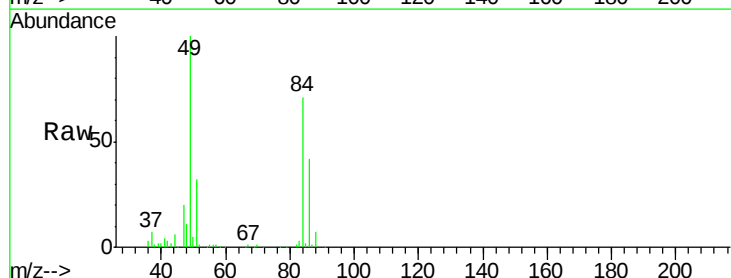
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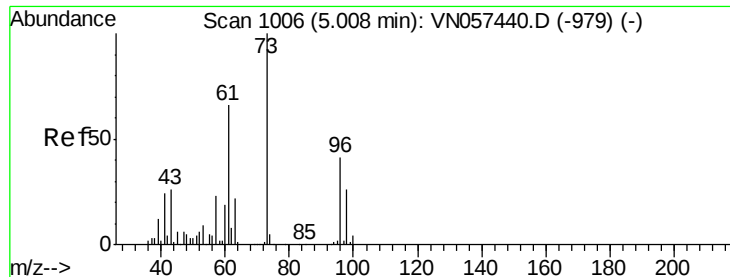
MMDadoda
8/23/2019 2:40:30 PM



#20
Methylene Chloride
Concen: 20.216 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion: 84 Resp: 92620
Ion Ratio Lower Upper
84 100
49 141.5 117.0 175.4
51 44.2 35.5 53.3
86 59.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.625 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 96 Resp: 85382

Ion Ratio Lower Upper

96 100

61 157.0 127.9 191.9

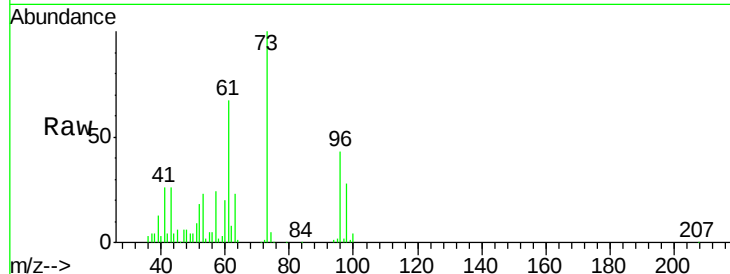
98 65.7 50.6 76.0

Manual Integrations

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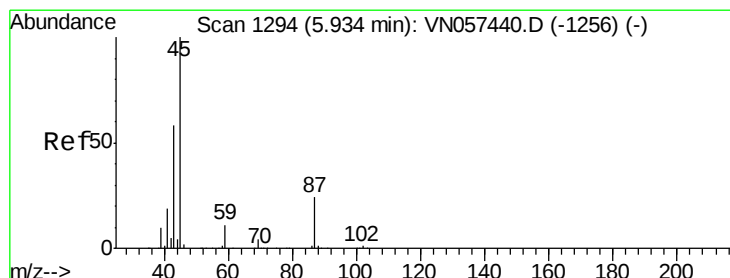
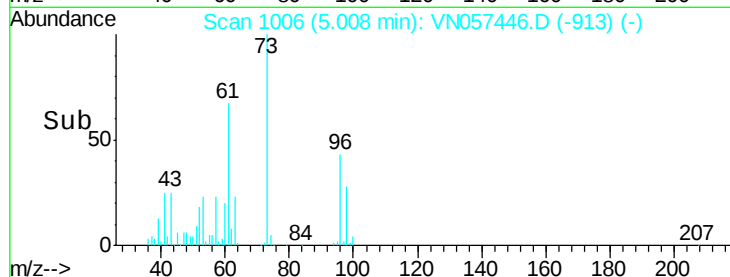
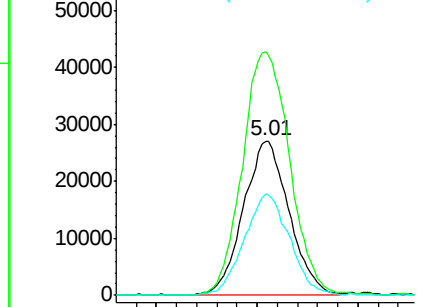
8/23/2019 2:40:30 PM



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: 19.823 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion: 45 Resp: 365374

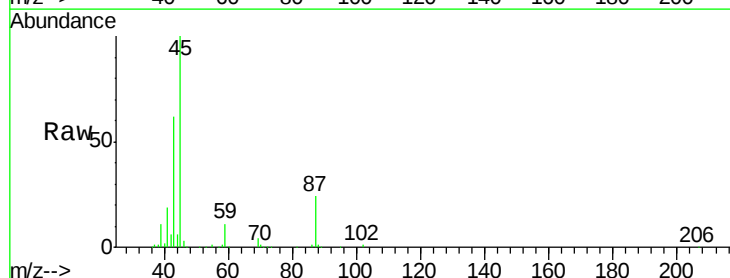
Ion Ratio Lower Upper

45 100

43 60.5 46.9 70.3

87 23.7 19.3 28.9

59 10.5 8.7 13.1

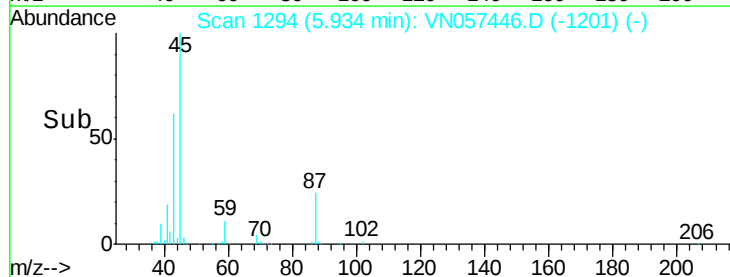
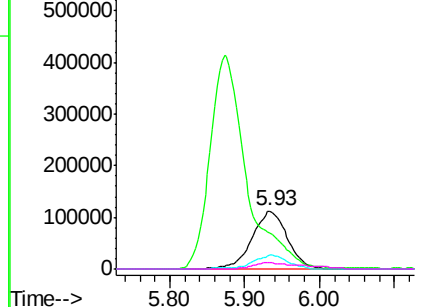


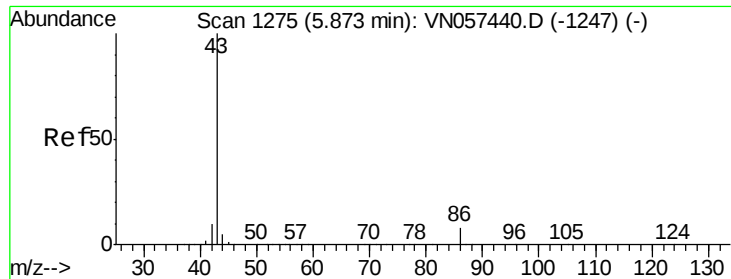
Abundance Ion 45.00 (44.70 to 45.70): VN0

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





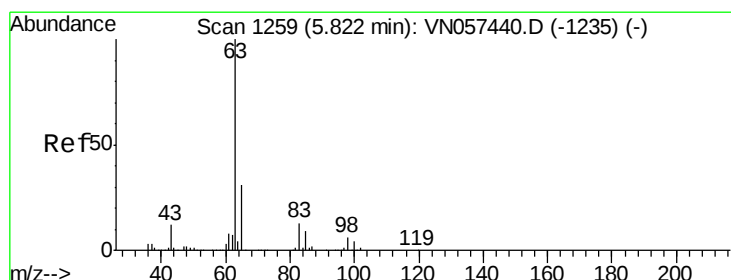
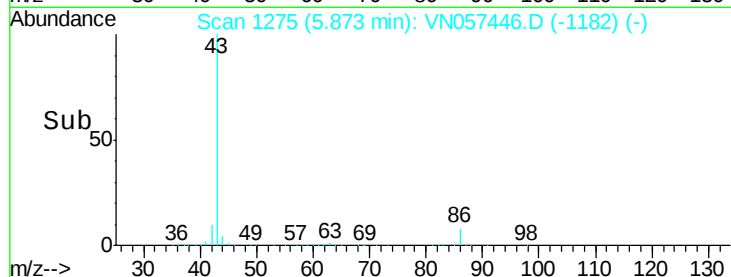
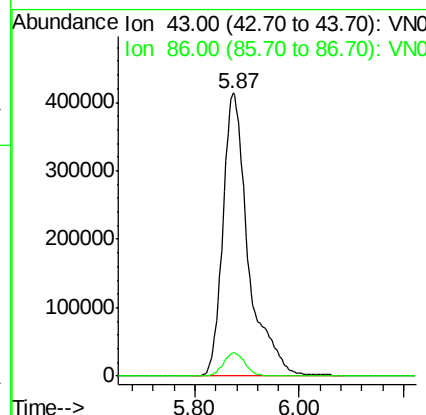
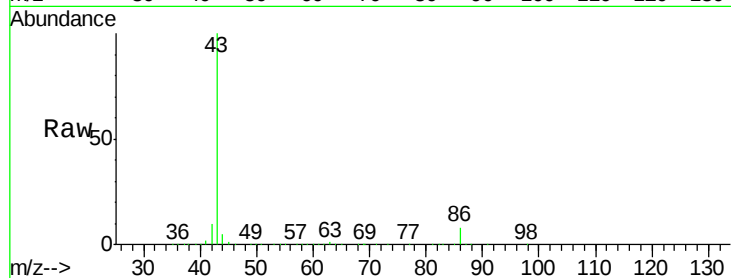
#23
 Vinyl Acetate
 Concen: 97.107 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion: 43 Resp: 1397975
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.7 10.1

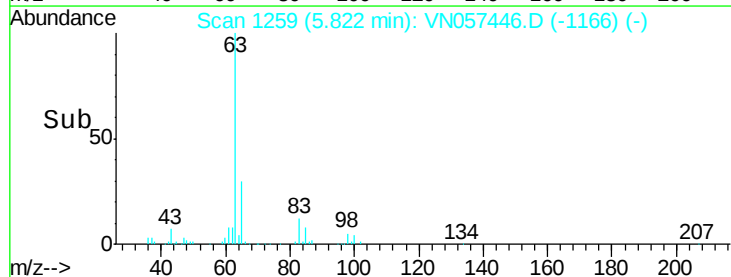
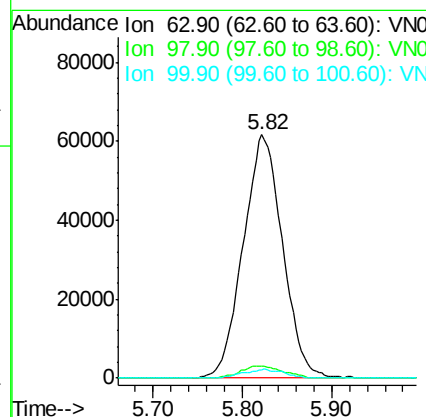
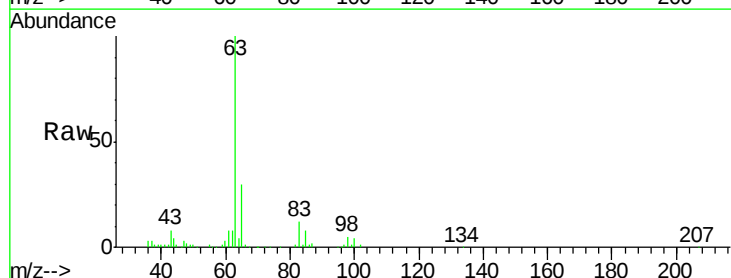
Manual Integrations
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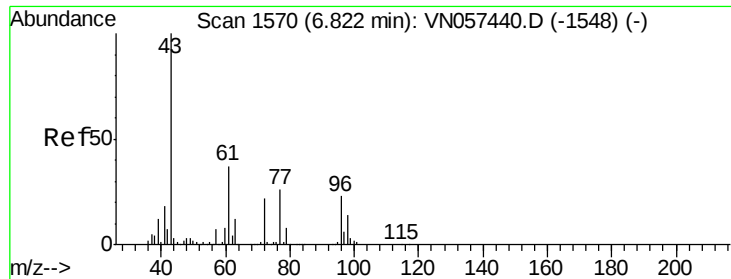
MMDadoda
 8/23/2019 2:40:30 PM



#24
 1,1-Dichloroethane
 Concen: 19.363 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Tgt Ion: 63 Resp: 189145
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.9 8.6
 100 3.5 2.1 6.3





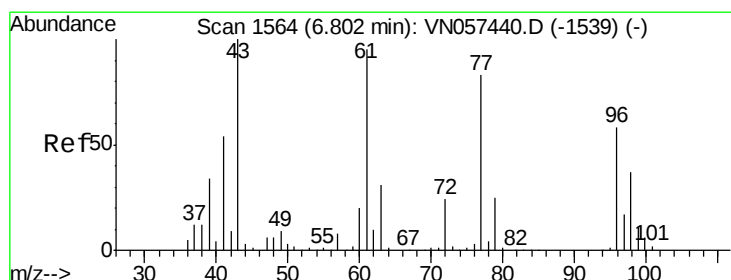
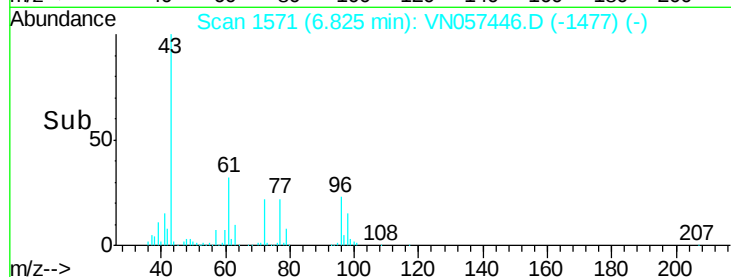
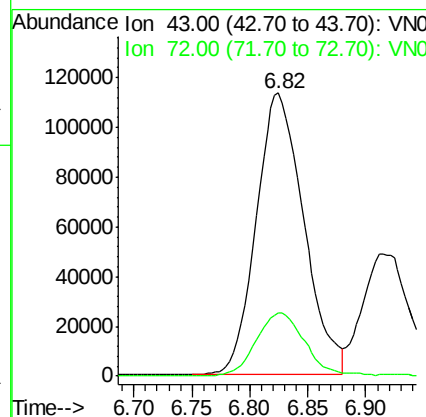
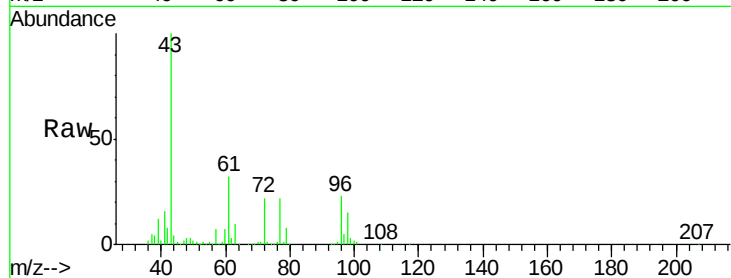
#25
2-Butanone
Concen: 96.569 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion: 43 Resp: 323315
Ion Ratio Lower Upper
43 100
72 22.4 17.8 26.8

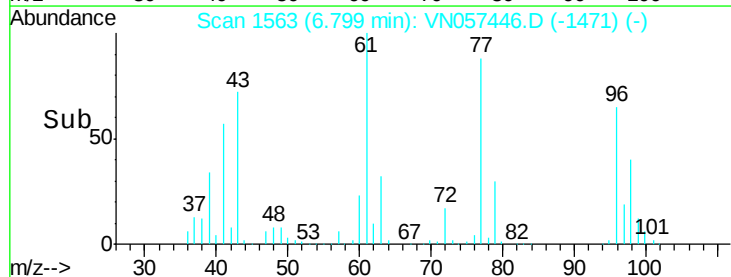
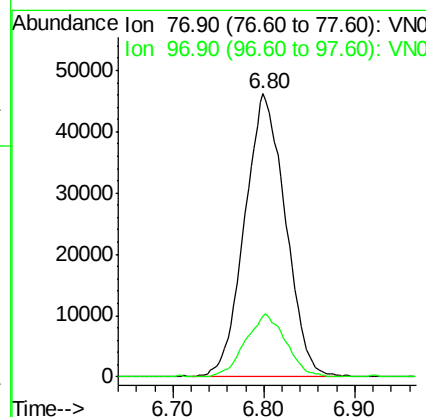
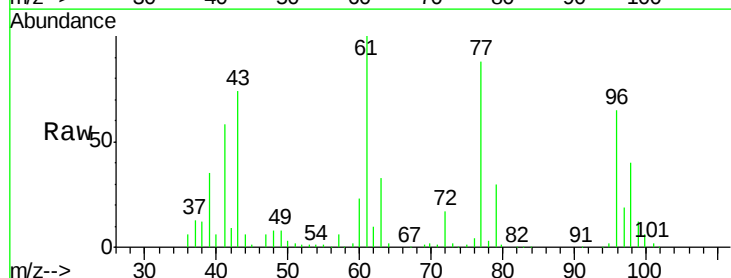
Manual Integrations
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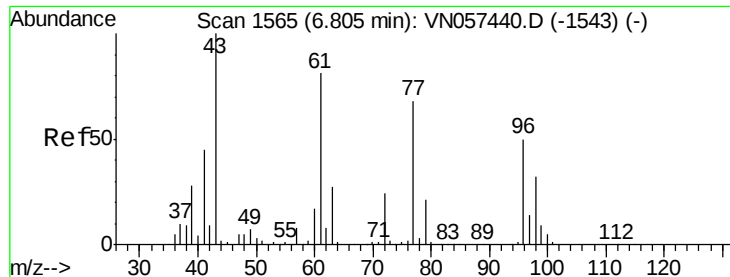
MMDadoda
8/23/2019 2:40:30 PM



#26
2,2-Dichloropropane
Concen: 17.012 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion: 77 Resp: 143901
Ion Ratio Lower Upper
77 100
97 22.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.698 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

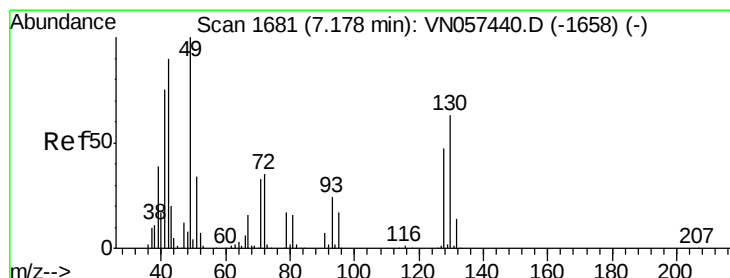
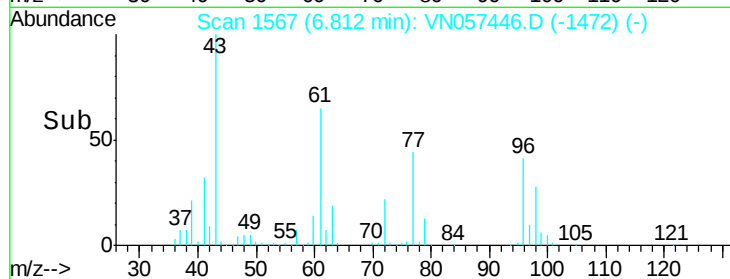
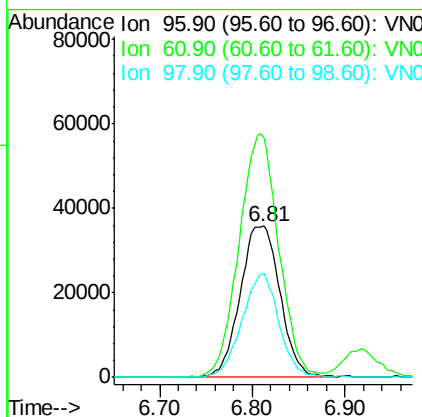
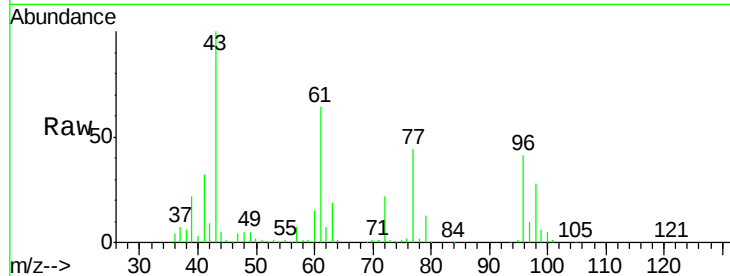
ClientSampleId :

VN0822WBSD01

Tot Ion:	96	Resp:	107040
Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	334.8
98	63.6	0.0	127.4

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#28

Bromochloromethane

Concen: 20.719 ug/l

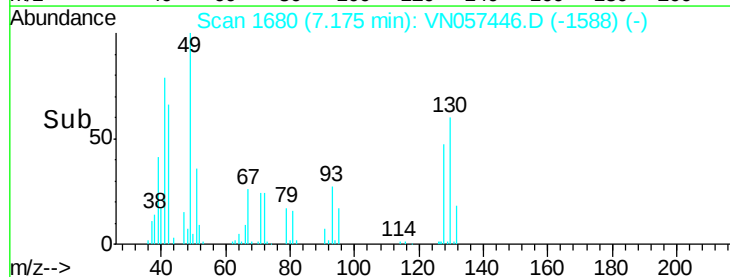
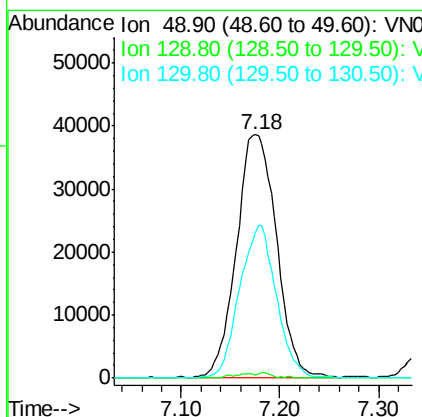
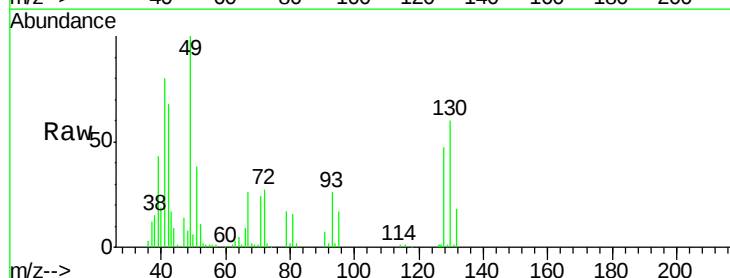
RT: 7.18 min Scan# 1680

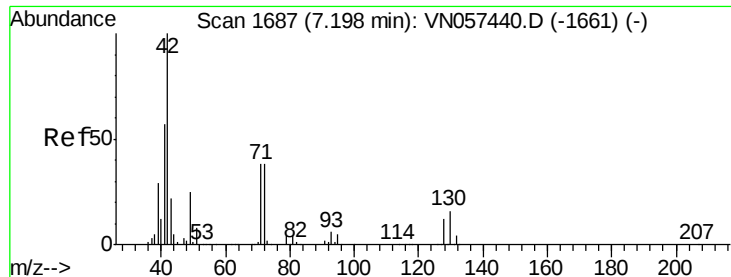
Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion:	49	Resp:	108991
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.6
130	0.0	48.6	72.8#





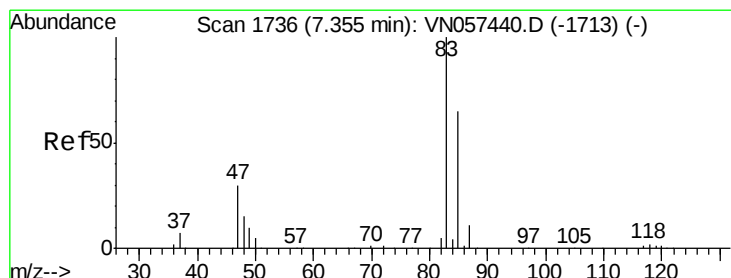
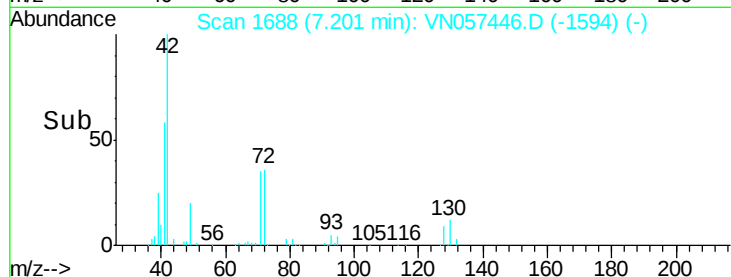
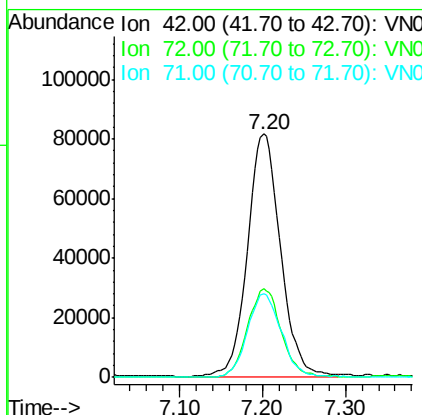
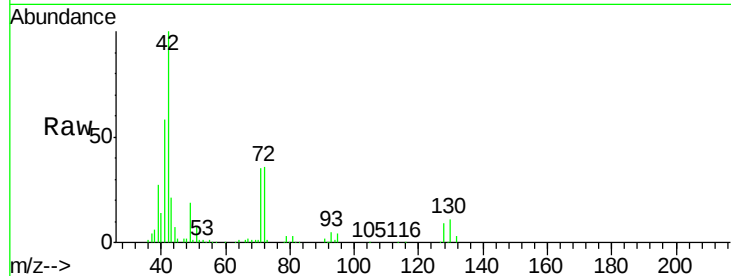
#29
Tetrahydrofuran
Concen: 101.773 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	30.1	45.1
71	35.3	28.8	43.2

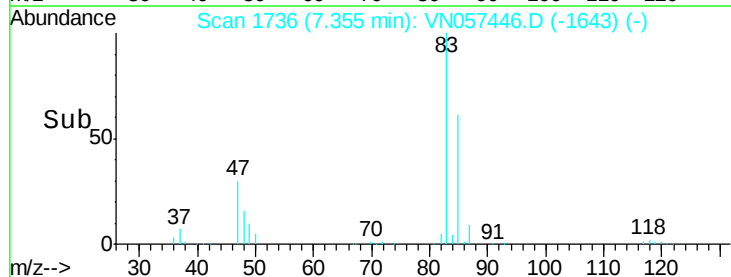
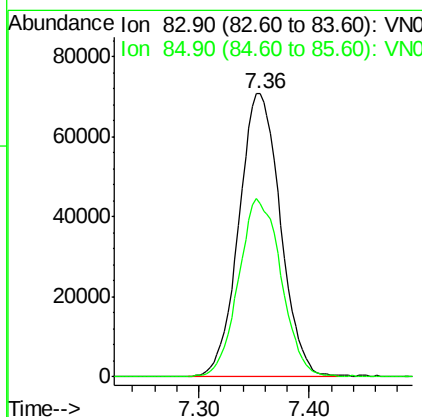
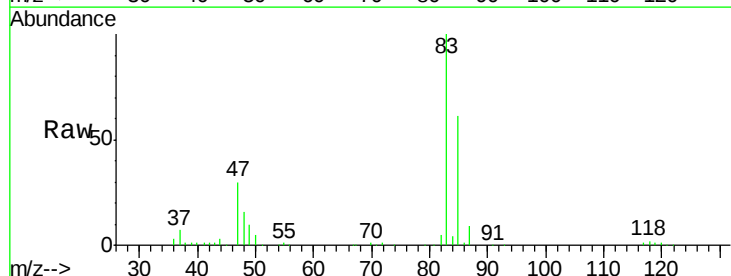
Manual Integrations
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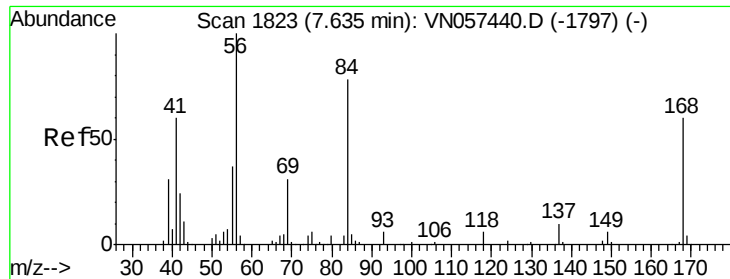
MMDadoda
8/23/2019 2:40:30 PM



#30
Chloroform
Concen: 20.424 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.9	77.9





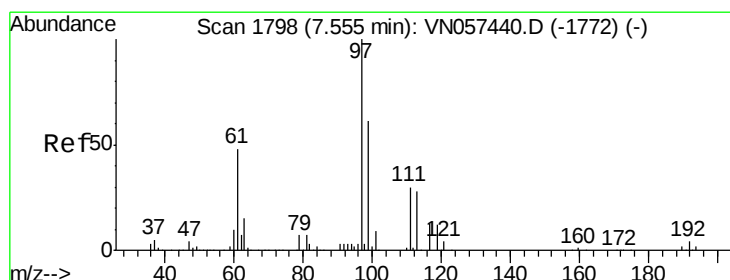
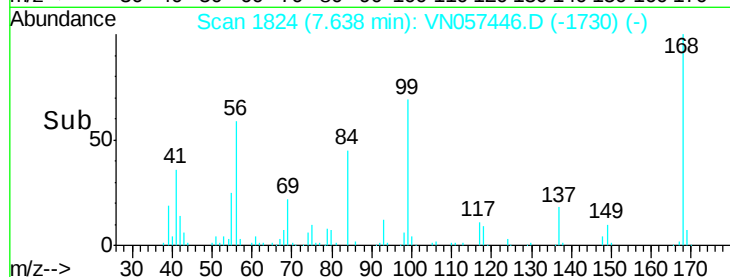
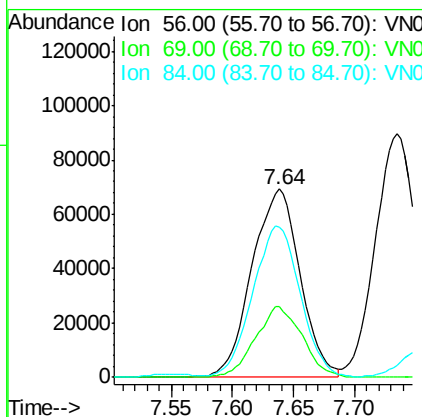
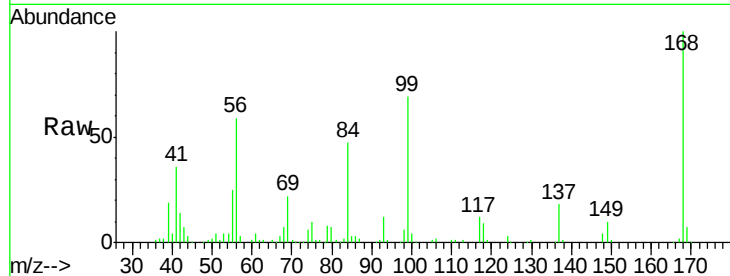
#31
Cyclohexane
Concen: 20.010 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.0	37.6#
84	78.5	62.5	93.7

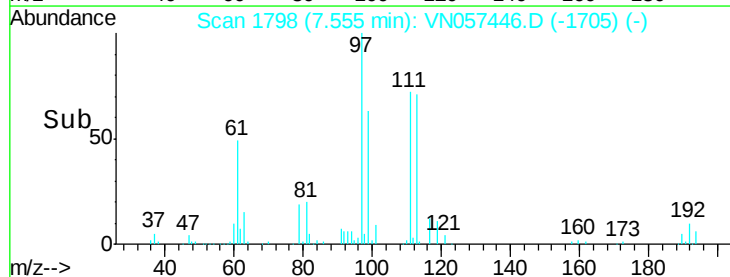
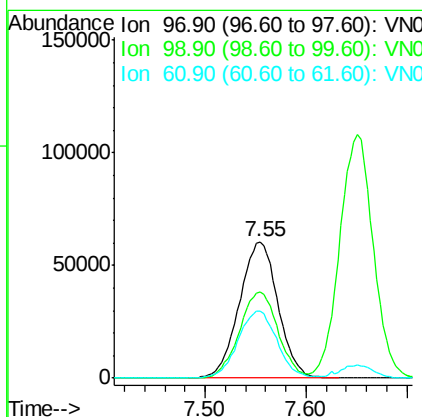
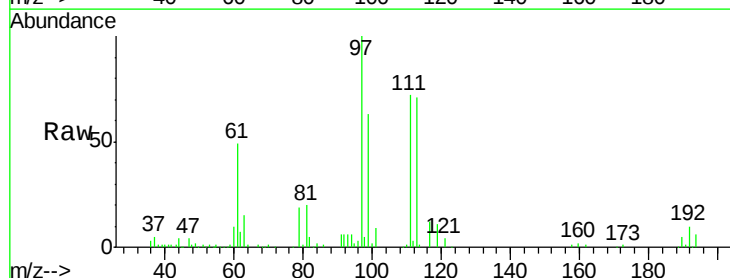
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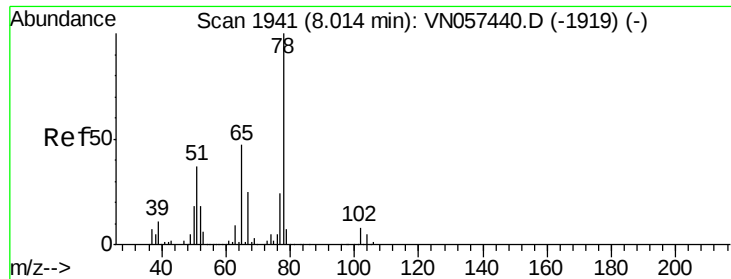
MMDadoda
8/23/2019 2:40:30 PM



#32
1,1,1-Trichloroethane
Concen: 19.176 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	49.5	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 50.353 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 65 Resp: 338064

Ion Ratio Lower Upper

65 100

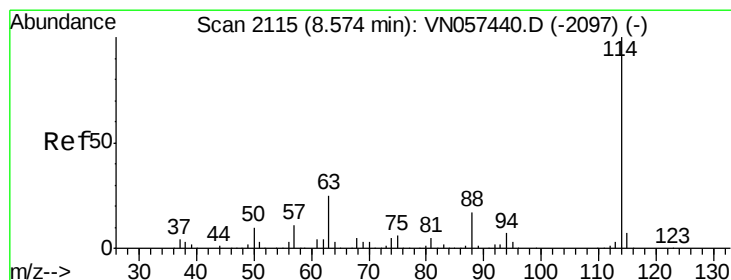
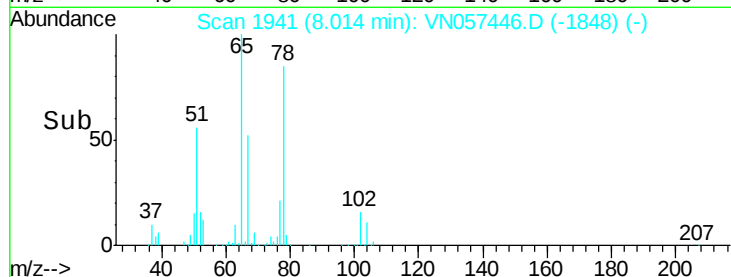
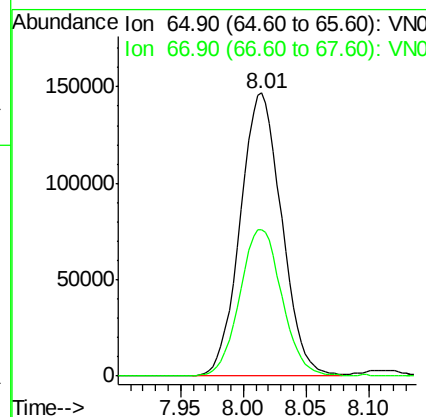
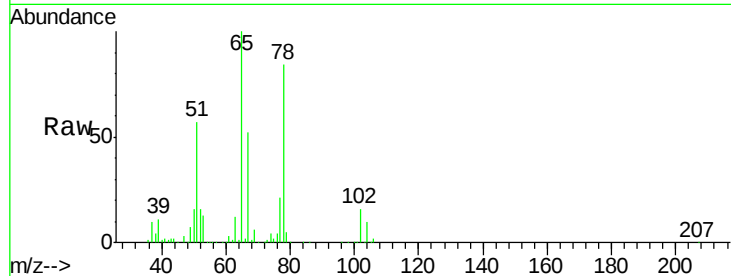
67 52.8 0.0 103.8

Manual Integrations

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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: VN057446.D

Acq: 22 Aug 2019 21:16

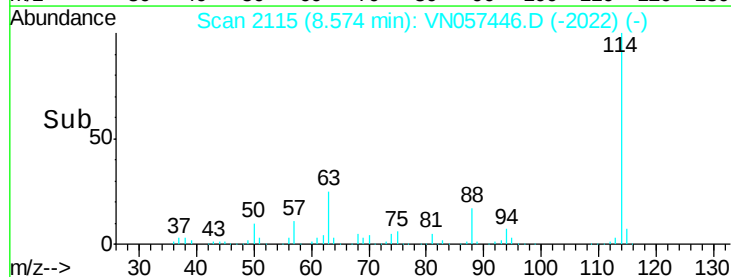
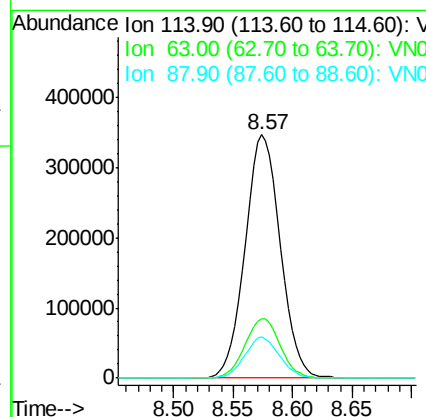
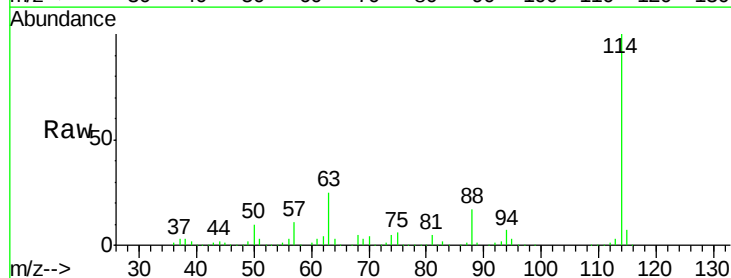
Tgt Ion: 114 Resp: 711140

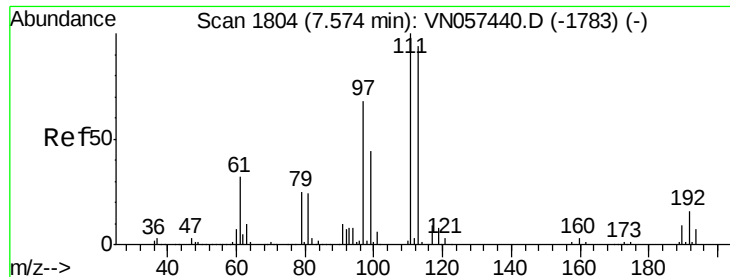
Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.2

88 16.7 0.0 34.6





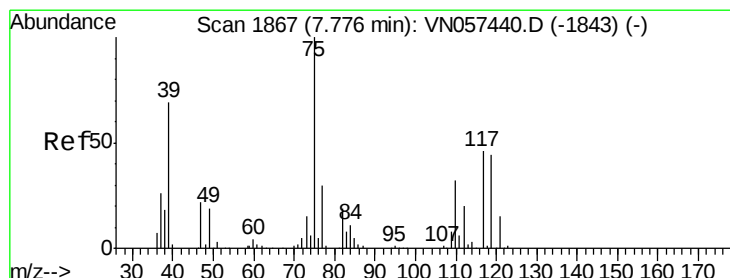
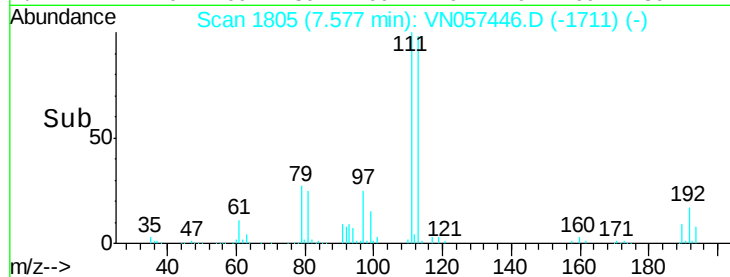
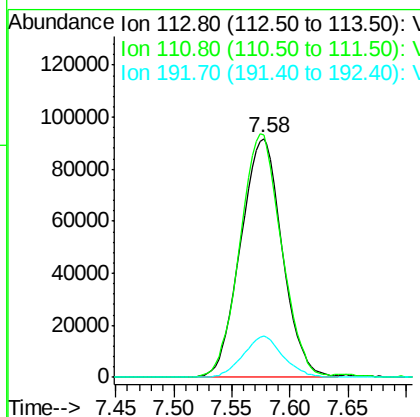
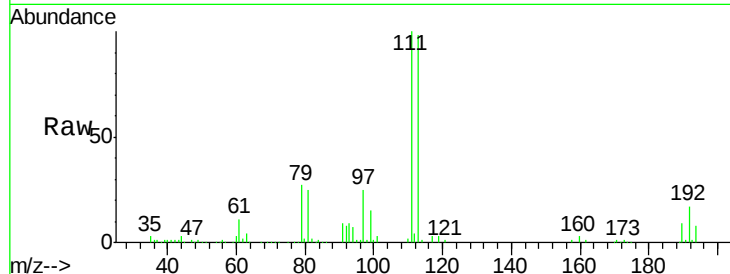
#35
 Dibromofluoromethane
 Concen: 47.726 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	229250		
111	101.7	83.8	125.6	
192	16.5	13.5	20.3	

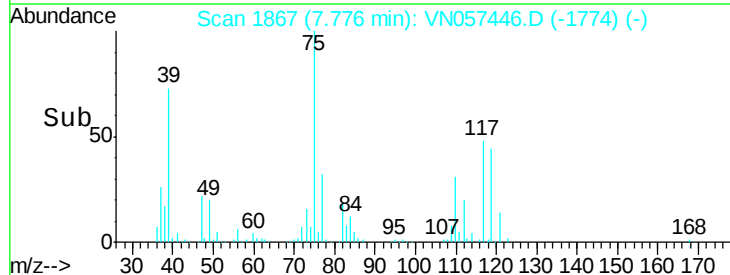
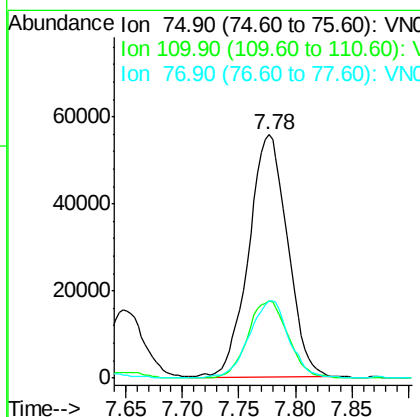
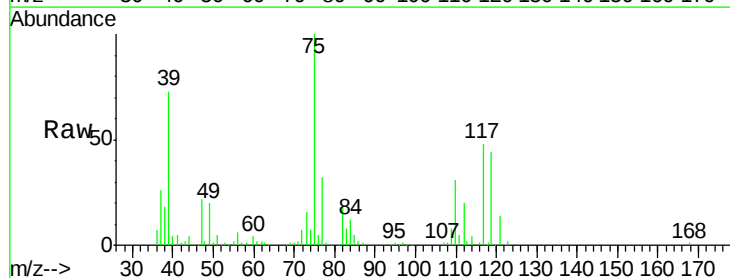
Manual Integrations
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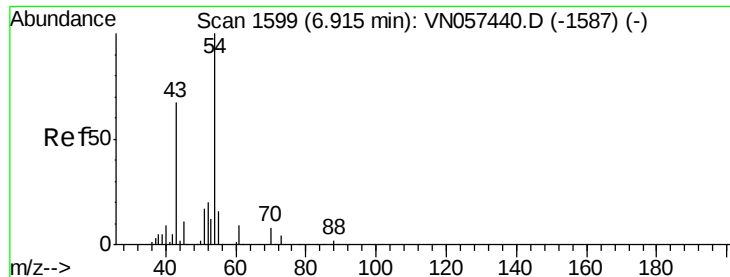
MMDadoda
 8/23/2019 2:40:30 PM



#36
 1,1-Dichloropropene
 Concen: 18.328 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	133181		
110	33.0	16.1	48.3	
77	32.8	24.8	37.2	





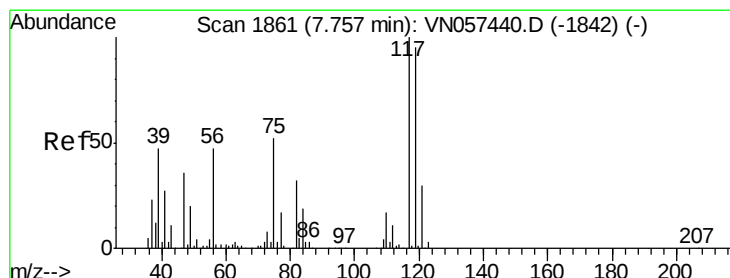
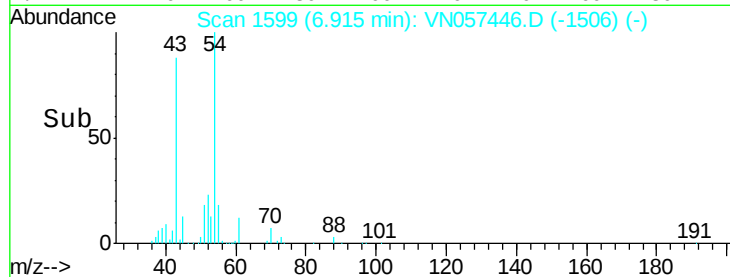
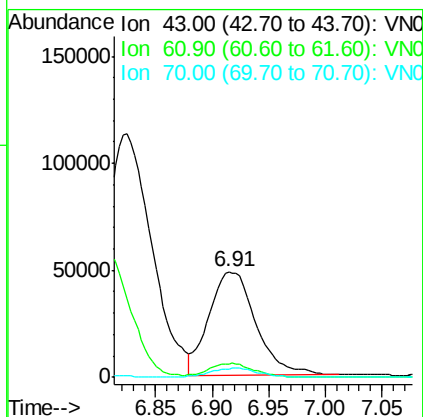
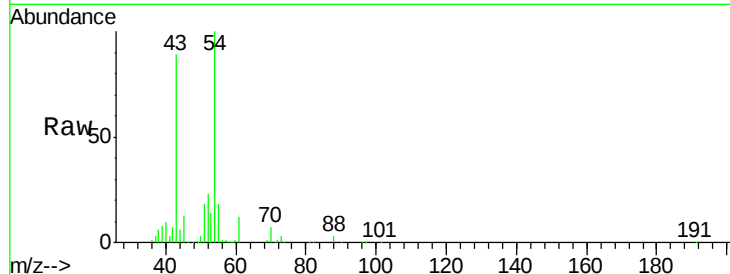
#37
Ethyl Acetate
Concen: 19.254 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	9.9	14.9
70	9.2	7.0	10.6

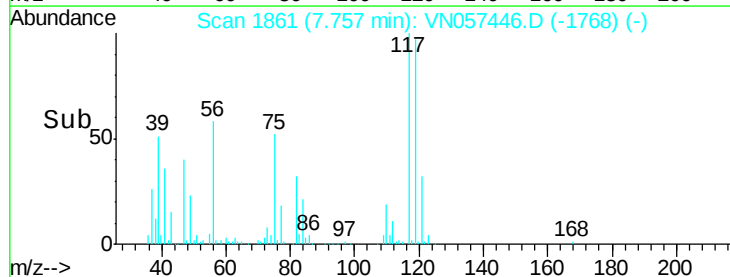
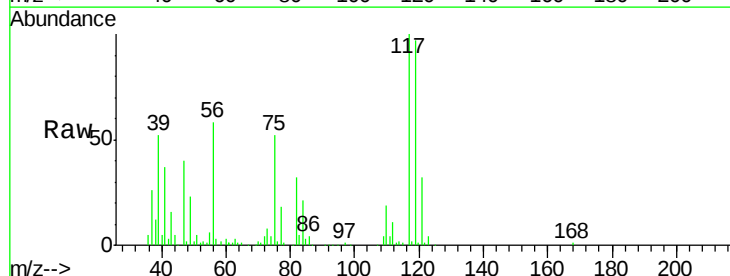
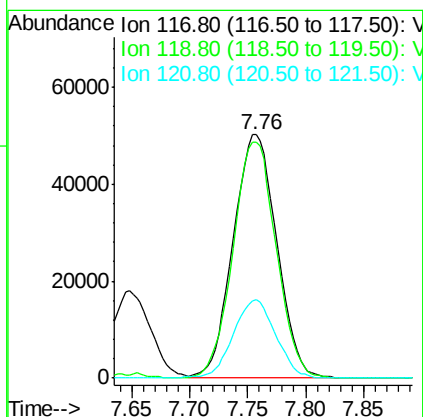
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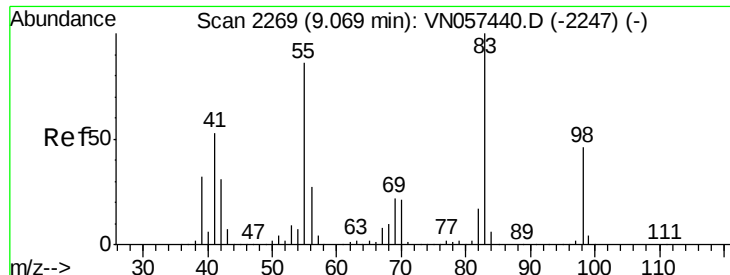
MMDadoda
8/23/2019 2:40:30 PM



#38
Carbon Tetrachloride
Concen: 18.213 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.2	114.4
121	32.4	23.8	35.6





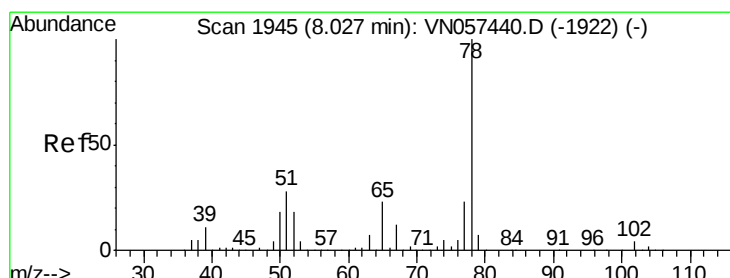
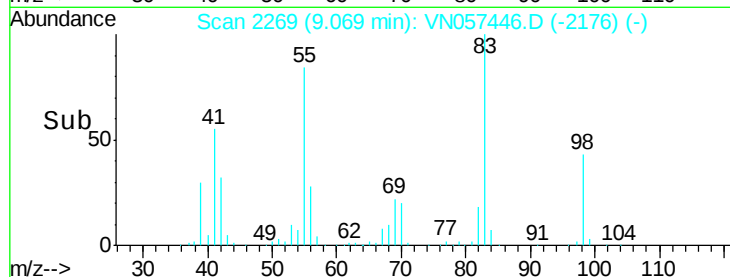
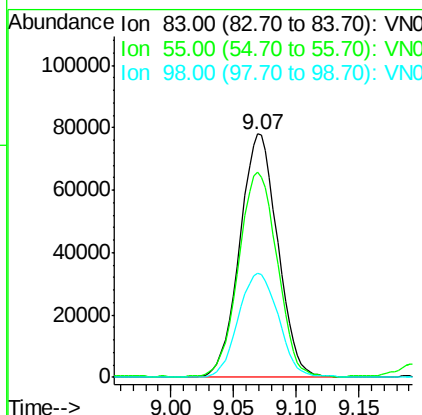
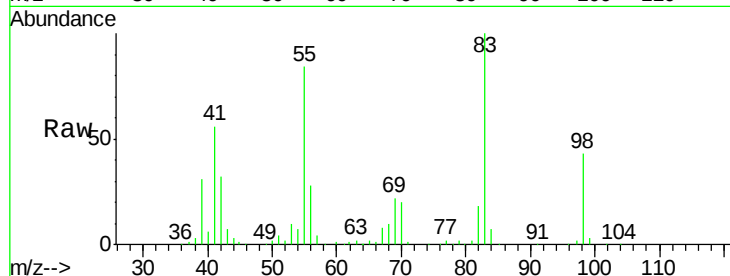
#39
Methvlcvclohexane
Concen: 19.045 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	83	Resp	164362
Ion Ratio	Lower	Upper	
83	100		
55	83.8	68.6	102.8
98	42.9	36.6	54.8

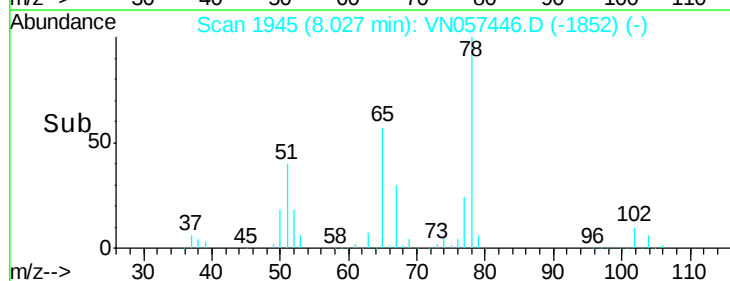
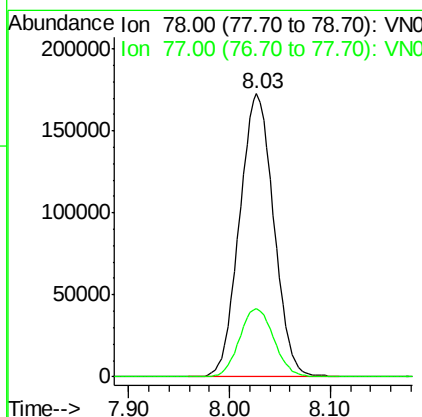
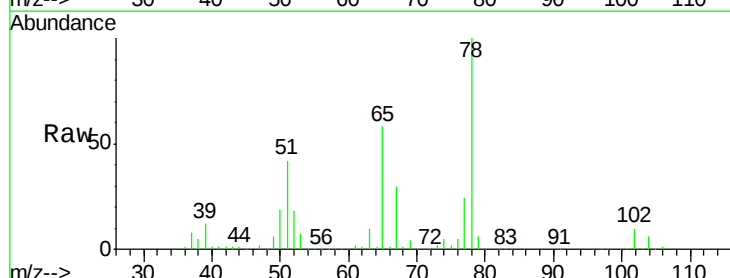
Manual Integrations
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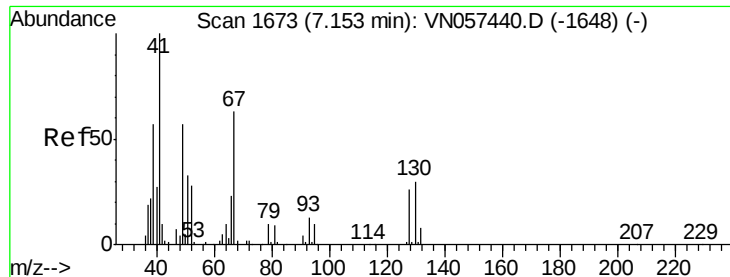
MMDadoda
8/23/2019 2:40:30 PM



#40
Benzene
Concen: 18.591 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	78	Resp	405456
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.5	27.7





#41

Methacrylonitrile

Concen: 17.966 ug/l m

RT: 7.17 min Scan# 1677

Delta R.T. 0.01 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

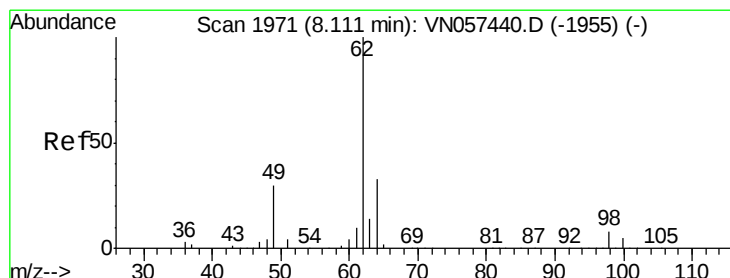
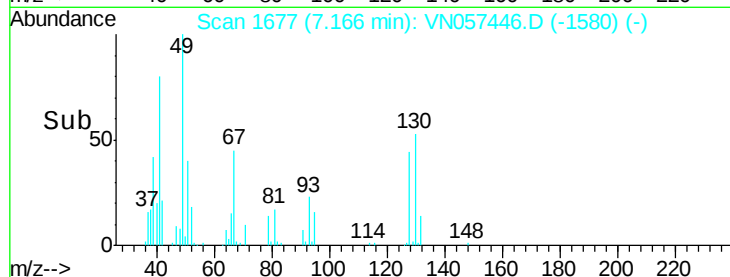
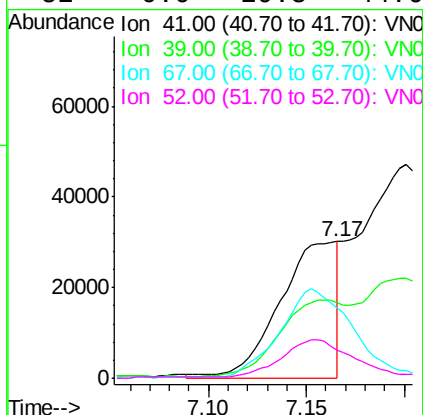
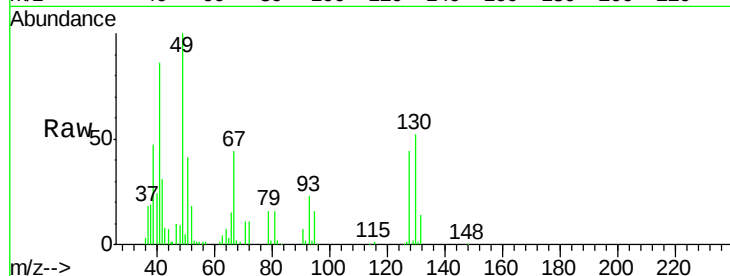
ClientSampled :

VN0822WBSD01

Tot Ion:	41	Resp:	61512
Ion Ratio	Lower	Upper	
41	100		
39	0.0	53.6	80.4#
67	0.0	65.4	98.2#
52	0.0	29.8	44.6#

Manual Integrations
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8/23/2019 2:40:30 PM



#42

1,2-Dichloroethane

Concen: 19.021 ug/l

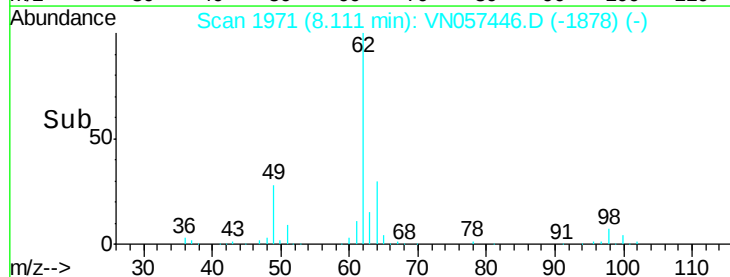
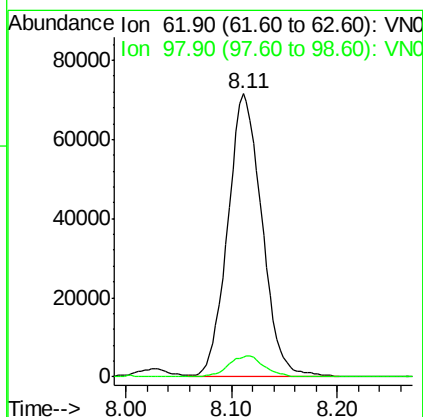
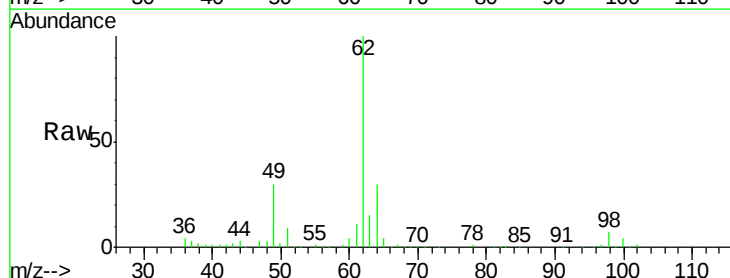
RT: 8.11 min Scan# 1971

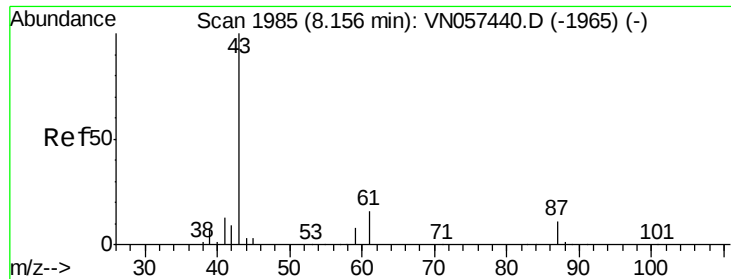
Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion:	62	Resp:	159727
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.4





#43

Isopropyl Acetate

Concen: 18.665 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

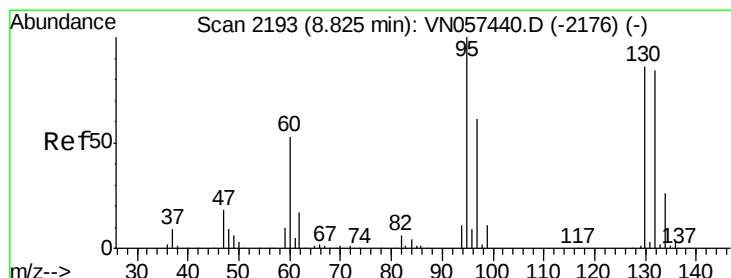
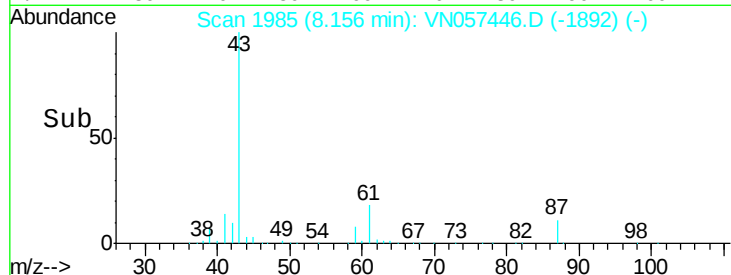
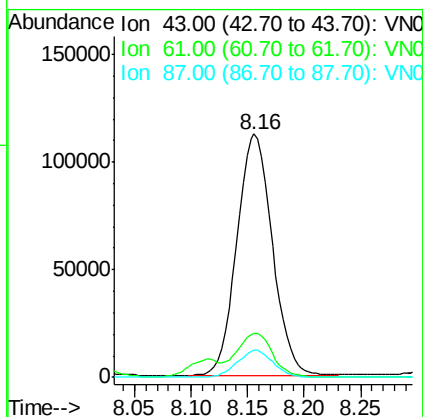
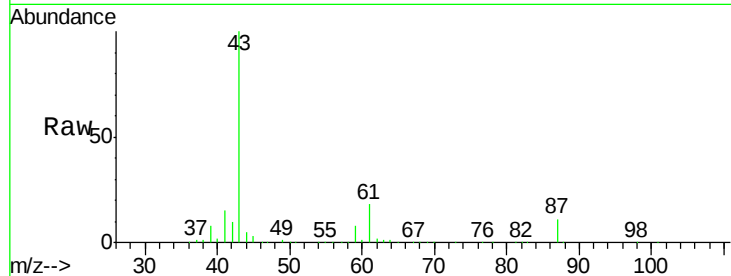
ClientSampleId :

VN0822WBSD01

Tot Ion:	43	Resp:	245736
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	11.3	8.6	12.8

Manual Integrations
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#44

Trichloroethene

Concen: 18.649 ug/l

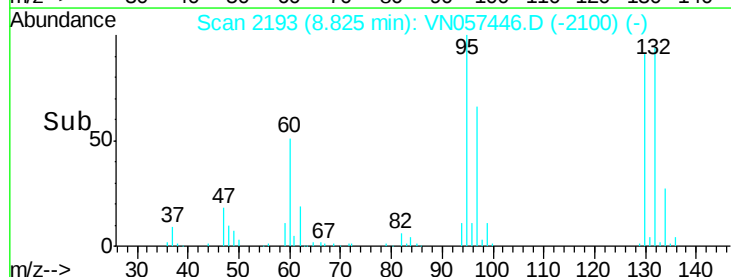
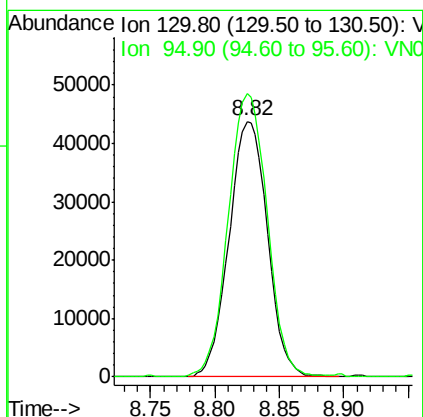
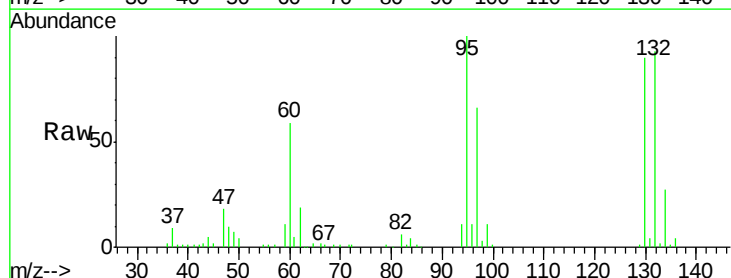
RT: 8.82 min Scan# 2193

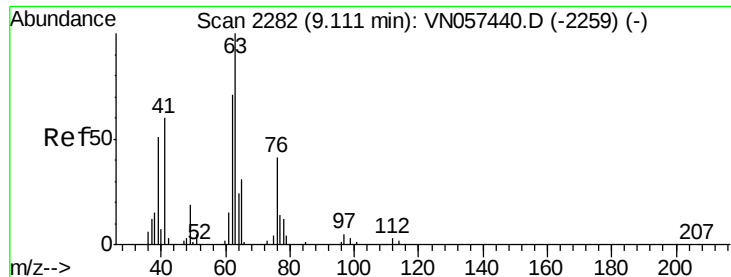
Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion:	130	Resp:	90793
Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	231.6





#45

1,2-Dichloropropane

Concen: 18.690 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 63 Resp: 114796

Ion Ratio Lower Upper

63 100

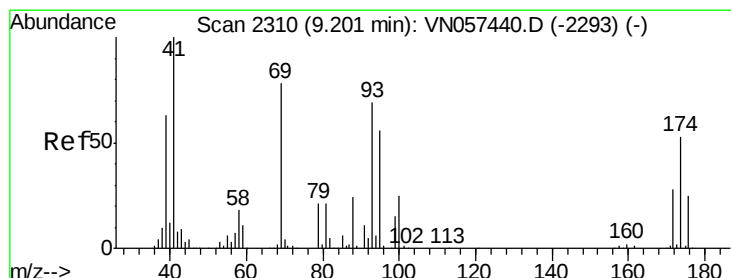
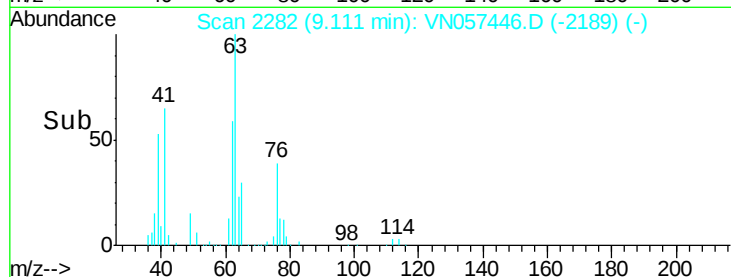
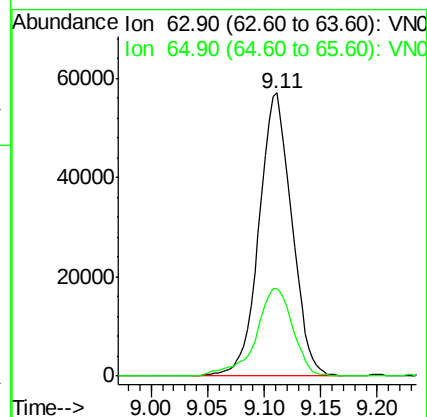
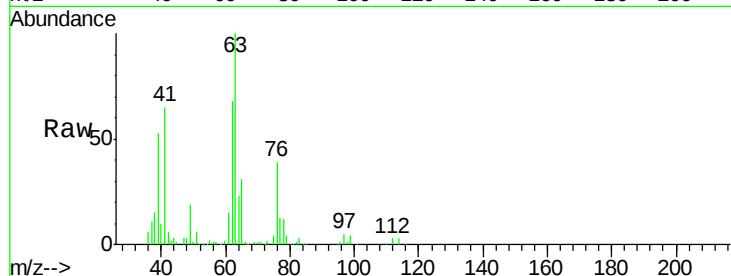
65 31.0 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.396 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

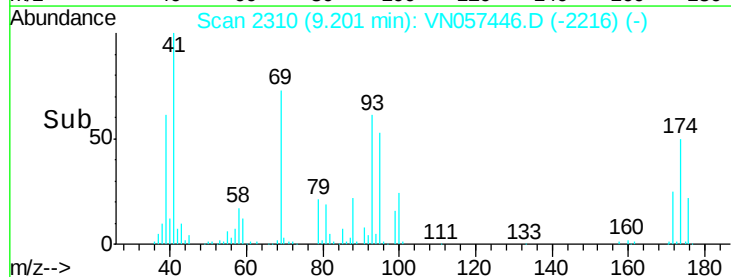
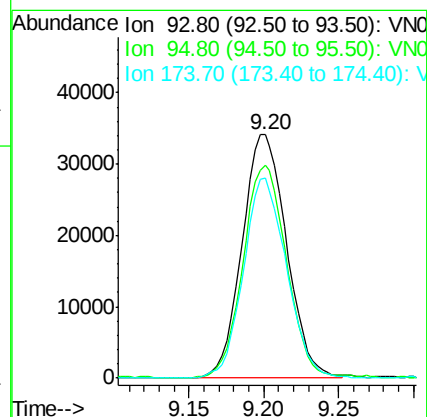
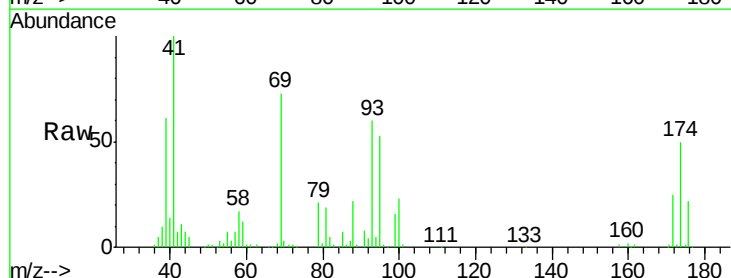
Tgt Ion: 93 Resp: 70655

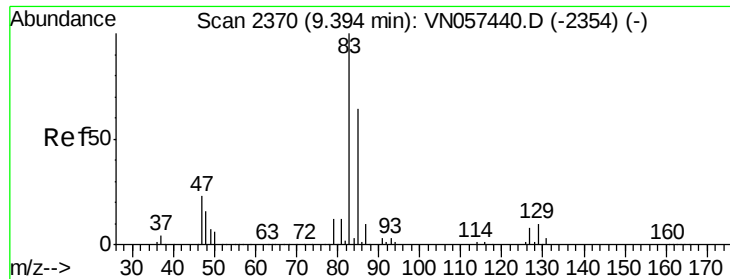
Ion Ratio Lower Upper

93 100

95 85.4 64.7 97.1

174 79.5 62.3 93.5





#47

Bromodichloromethane

Concen: 18.363 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

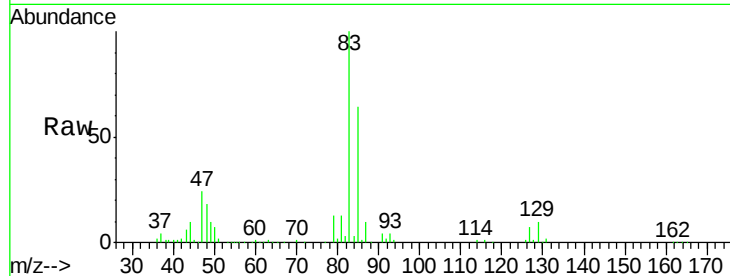
ClientSampleId :

VN0822WBSD01

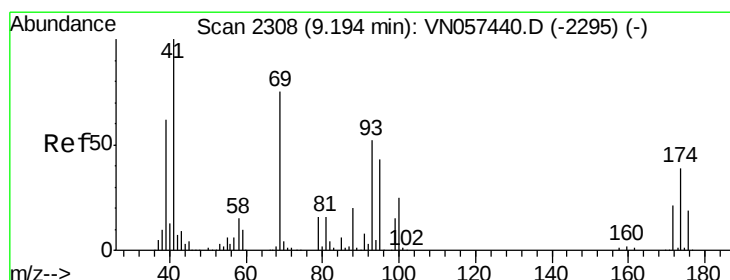
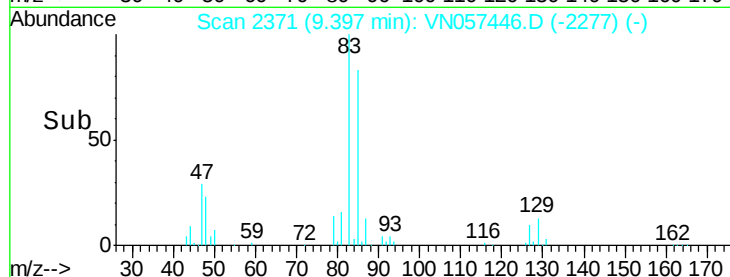
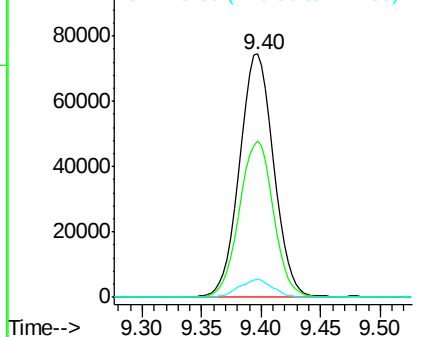
Tot Ion:	83	Resp:	148804
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.2	76.8
127	7.4	6.6	10.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN057446.D (-2277) (-)



#48

Methyl methacrylate

Concen: 18.935 ug/l

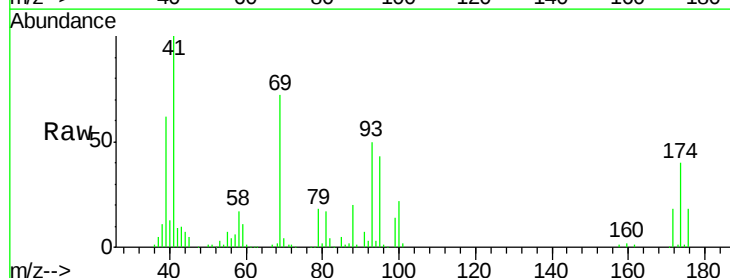
RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

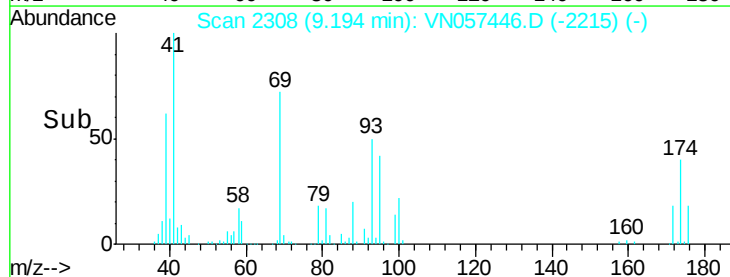
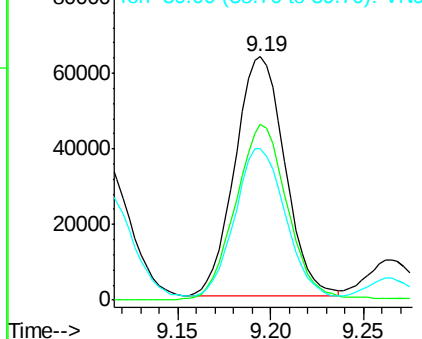
Lab File: VN057446.D

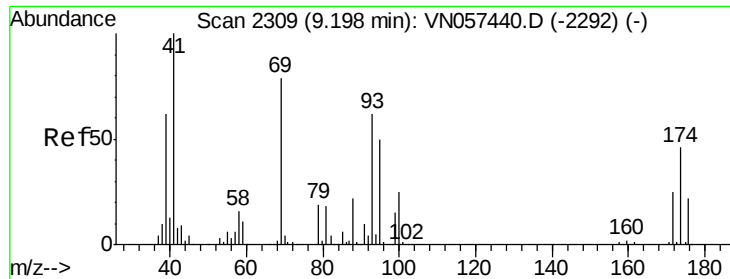
Acq: 22 Aug 2019 21:16

Tgt Ion:	41	Resp:	118542
Ion Ratio	Lower	Upper	
41	100		
69	77.1	59.3	88.9
39	64.1	50.6	75.8



Abundance Ion 41.00 (40.70 to 41.70): VN057446.D (-2215) (-)





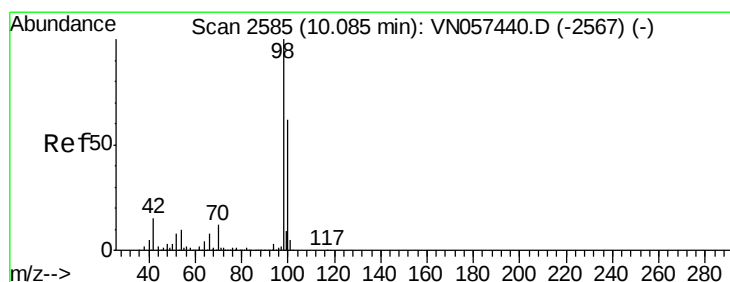
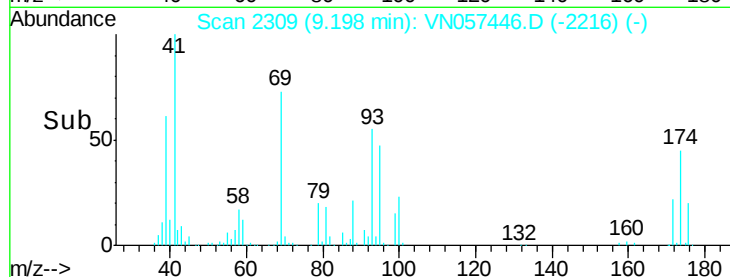
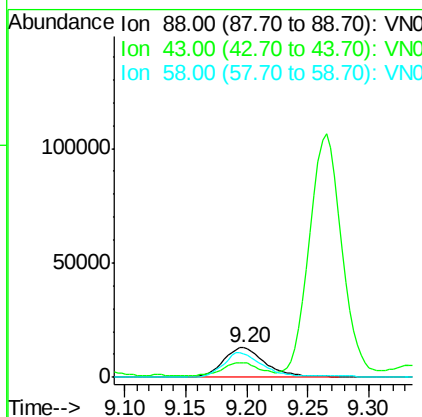
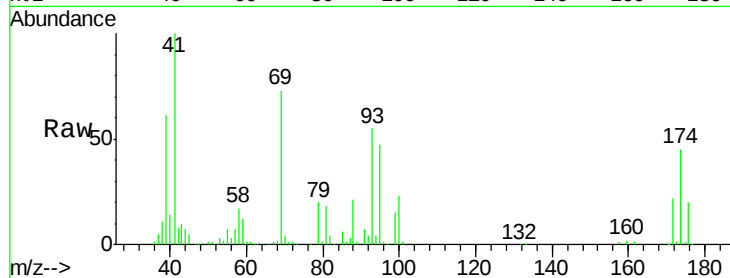
#49
1,4-Dioxane
Concen: 391.584 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	31.0	46.6
58	77.1	64.5	96.7

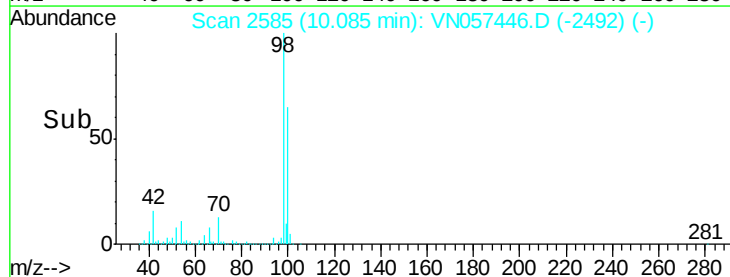
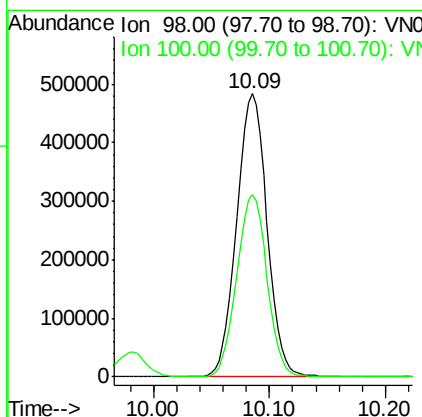
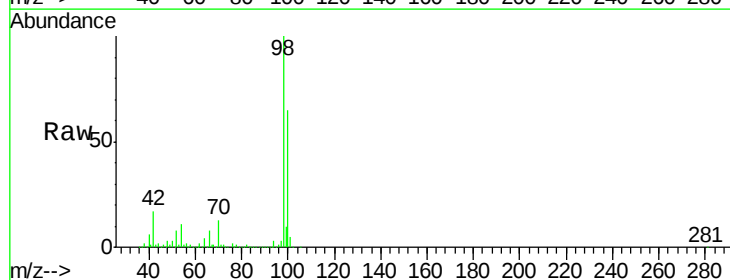
Manual Integrations
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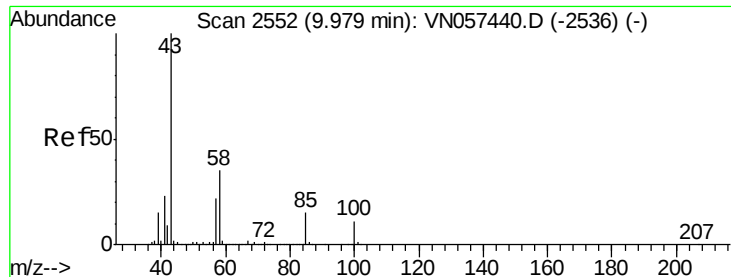
MMDadoda
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#50
Toluene-d8
Concen: 48.349 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 94.716 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 43 Resp: 694977

Ion Ratio Lower Upper

43 100

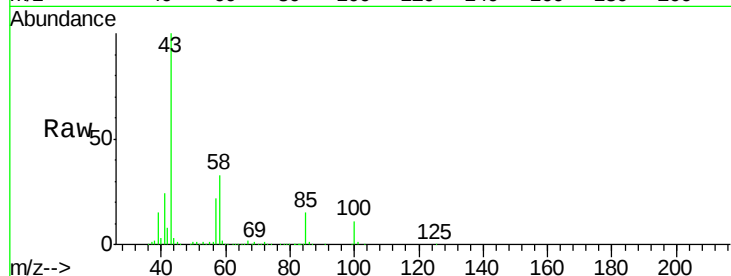
58 34.8 27.9 41.9

Manual Integrations

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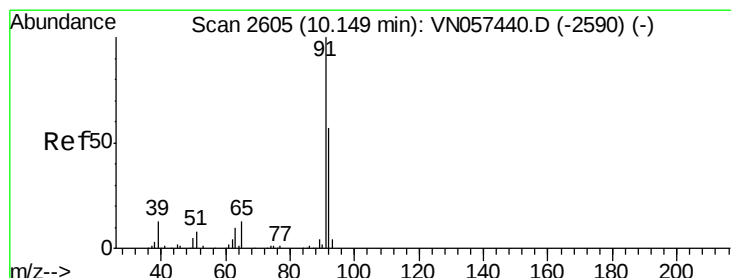
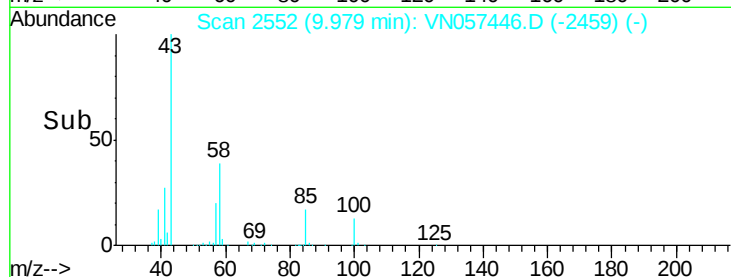
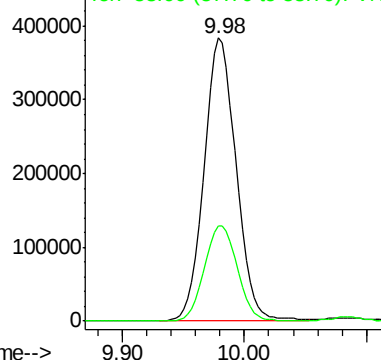
MMDadoda

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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: 18.747 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057446.D

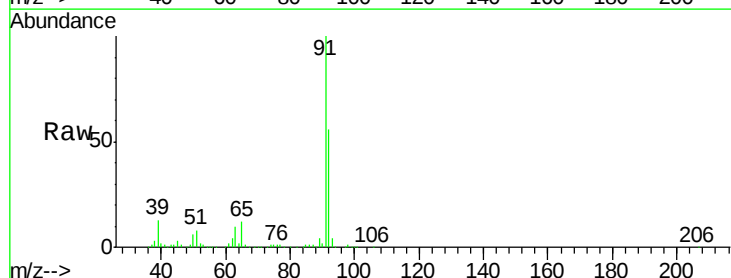
Acq: 22 Aug 2019 21:16

Tgt Ion: 92 Resp: 235651

Ion Ratio Lower Upper

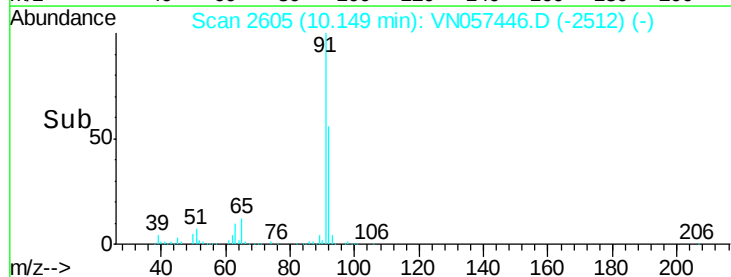
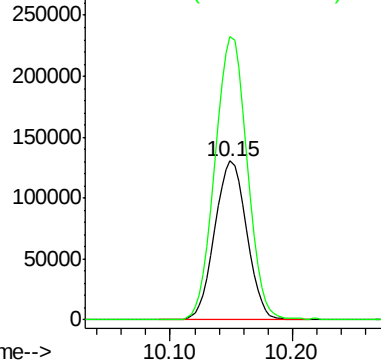
92 100

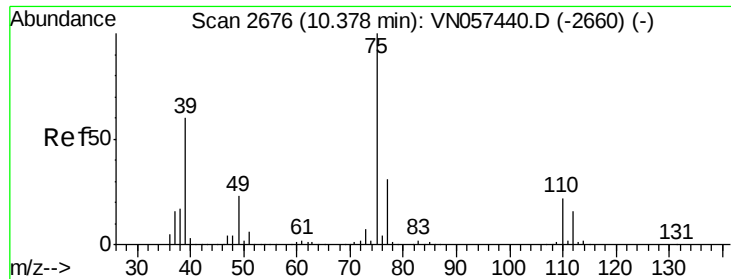
91 179.3 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





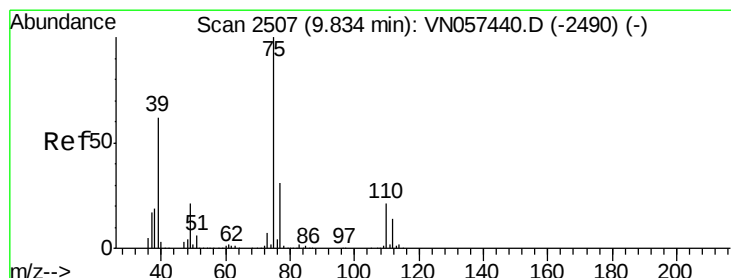
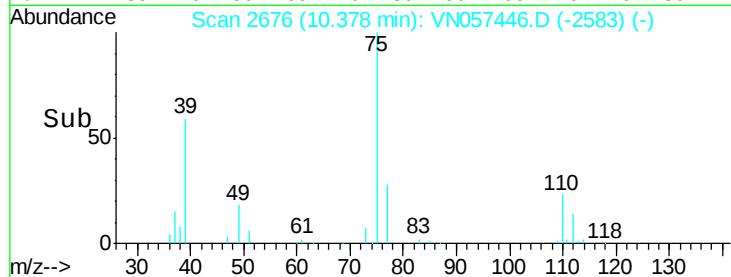
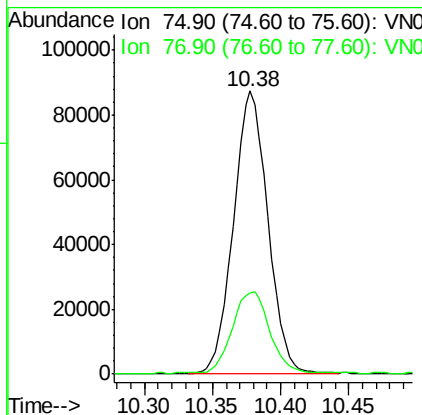
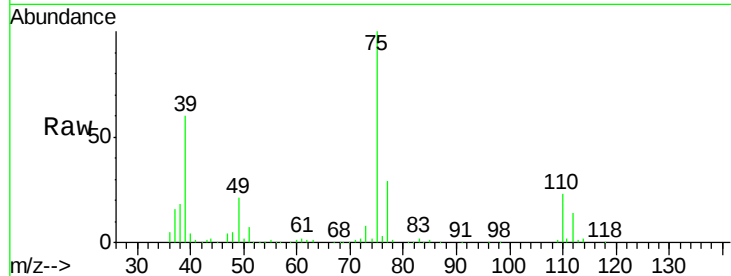
#53
t-1,3-Dichloropropene
Concen: 18.072 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion: 75 Resp: 153393
Ion Ratio Lower Upper
75 100
77 28.4 25.0 37.6

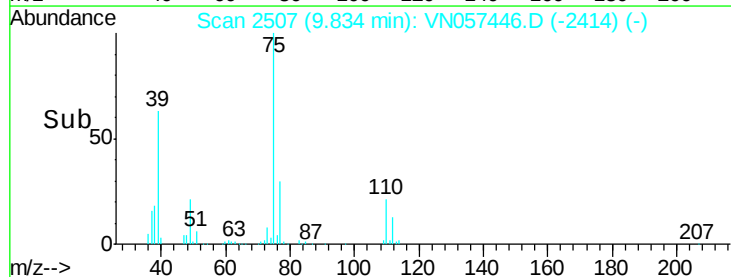
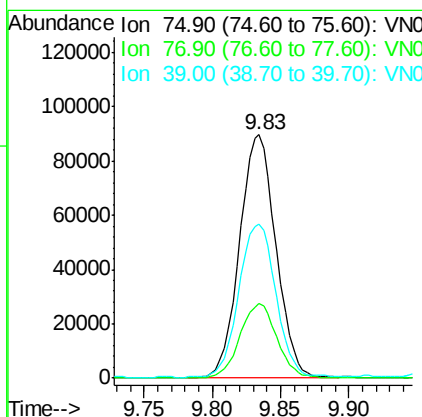
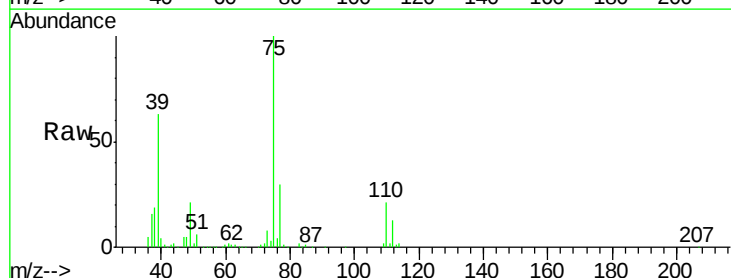
Manual Integrations
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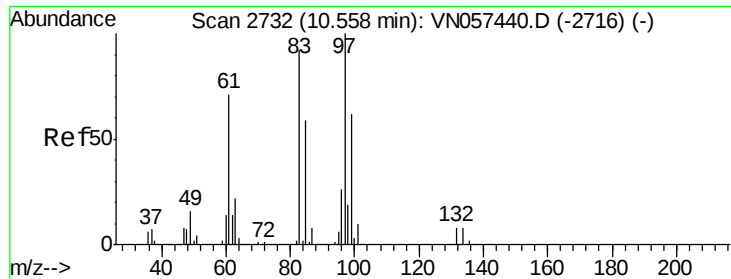
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#54
cis-1,3-Dichloropropene
Concen: 17.577 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion: 75 Resp: 166112
Ion Ratio Lower Upper
75 100
77 30.4 25.0 37.6
39 62.6 49.2 73.8





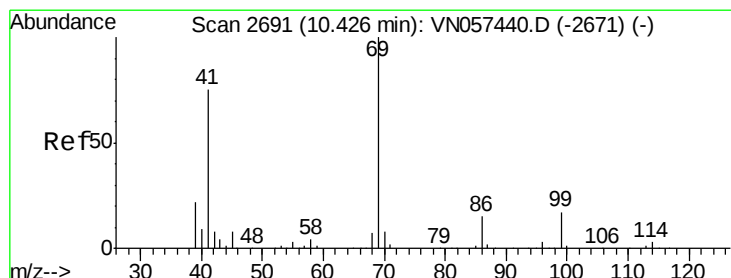
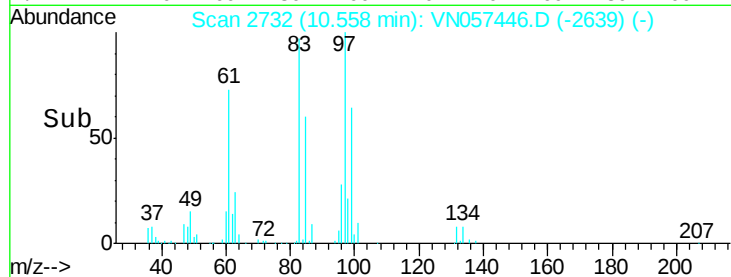
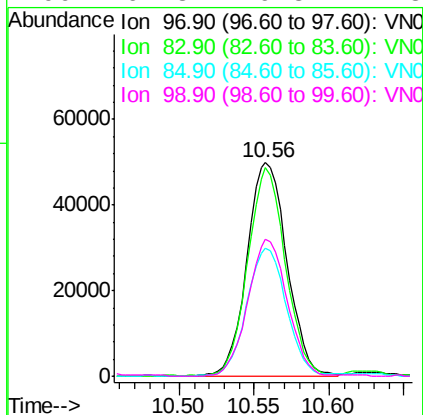
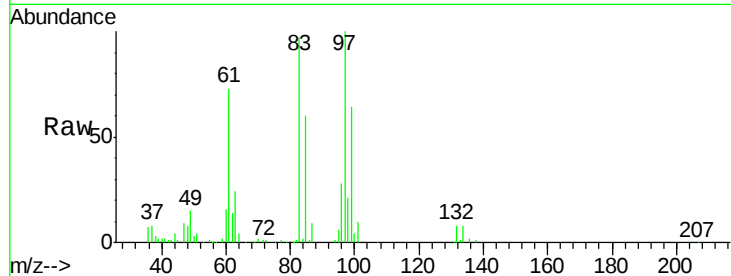
#55
 1,1,2-Trichloroethane
 Concen: 18.256 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion:	97	Resp:	92800
Ion	Ratio	Lower	Upper
97	100		
83	97.0	73.7	110.5
85	59.7	46.8	70.2
99	64.3	49.8	74.8

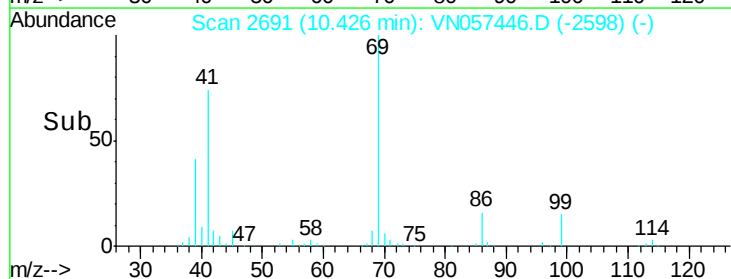
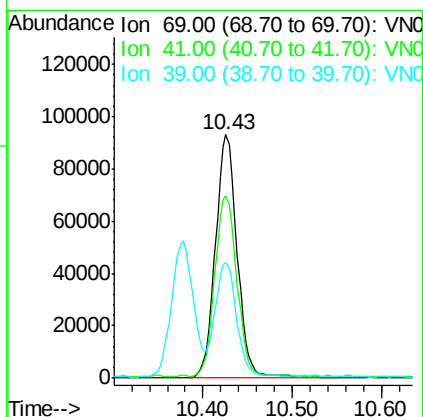
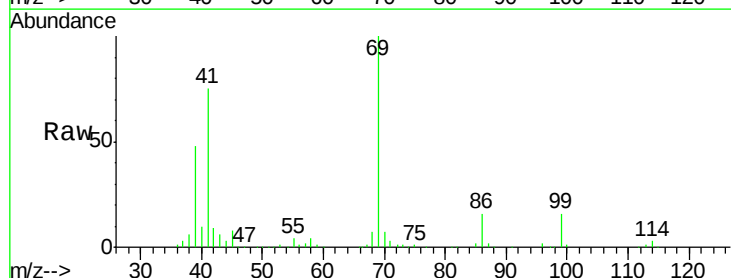
Manual Integrations
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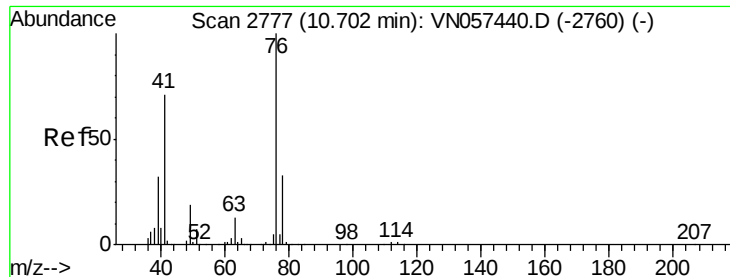
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#56
 Ethyl methacrylate
 Concen: 19.545 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Tgt Ion:	69	Resp:	156295
Ion	Ratio	Lower	Upper
69	100		
41	74.3	60.8	91.2
39	46.7	36.5	54.7





#57

1,3-Dichloropropane

Concen: 18.898 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 76 Resp: 167197

Ion Ratio Lower Upper

76 100

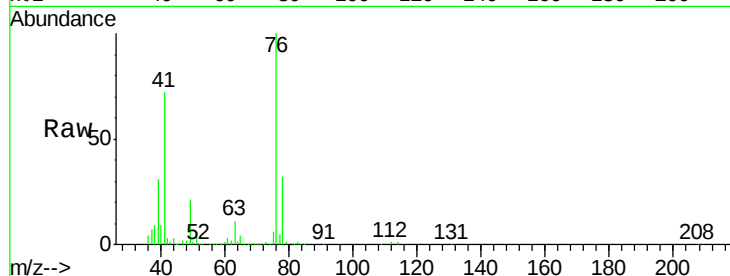
78 32.4 25.5 38.3

Manual Integrations

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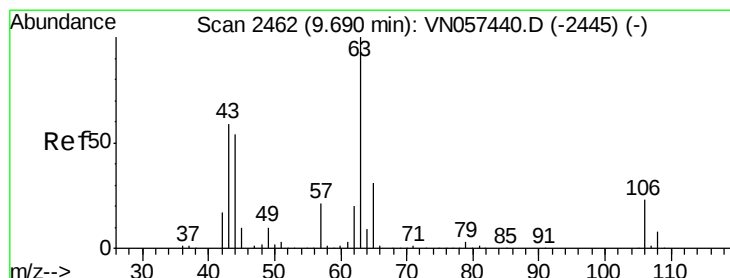
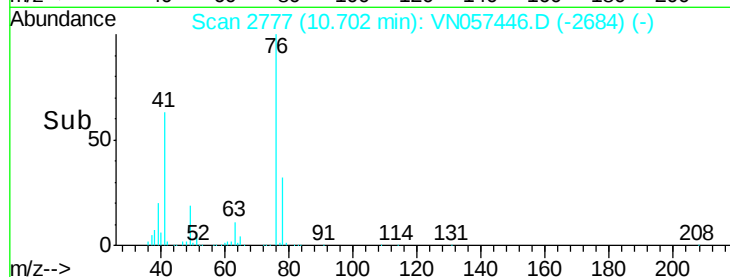
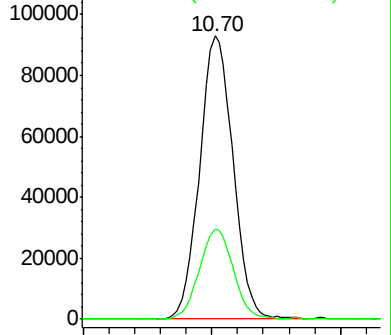
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 96.238 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057446.D

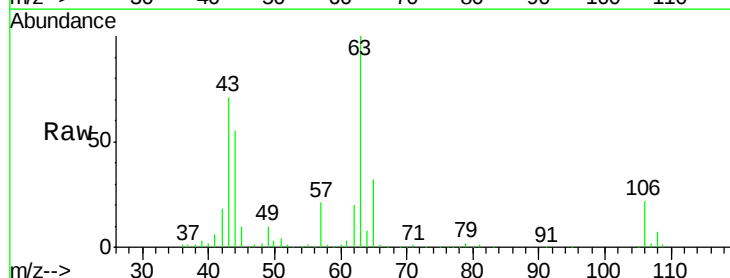
Acq: 22 Aug 2019 21:16

Tgt Ion: 63 Resp: 189242

Ion Ratio Lower Upper

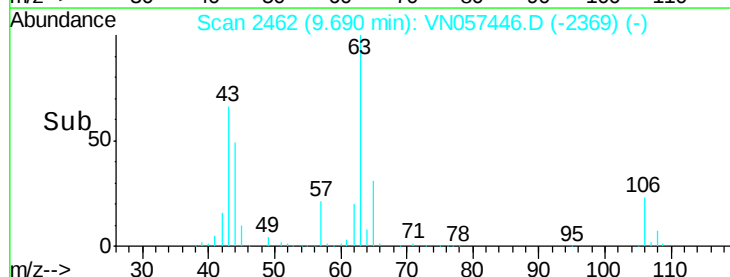
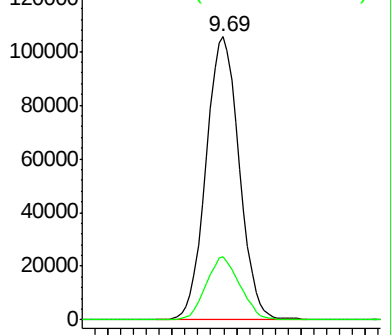
63 100

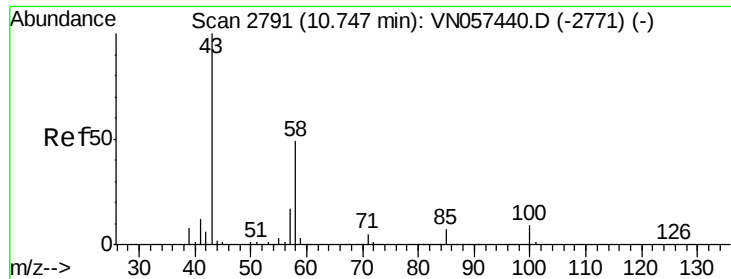
106 22.8 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





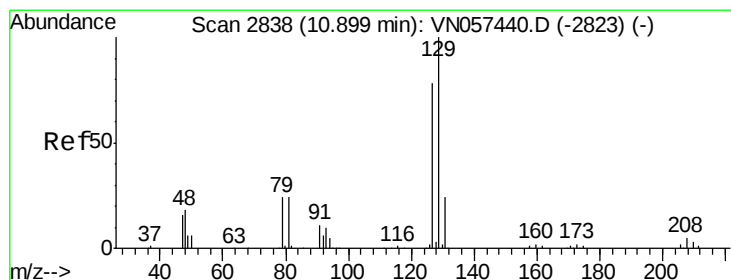
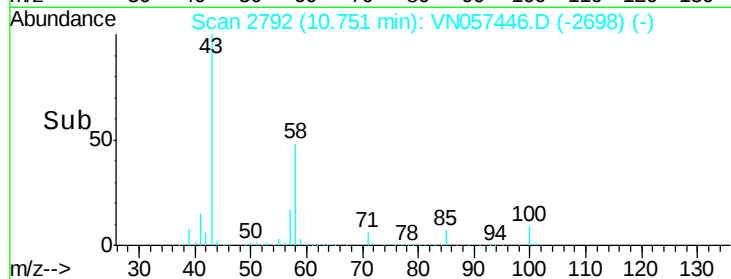
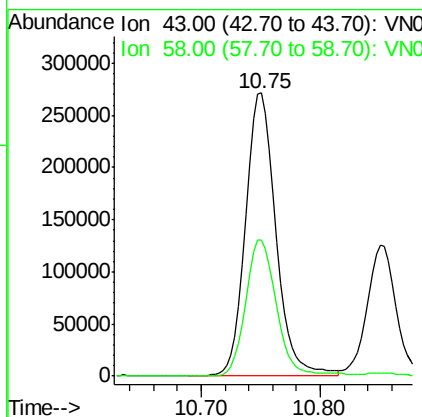
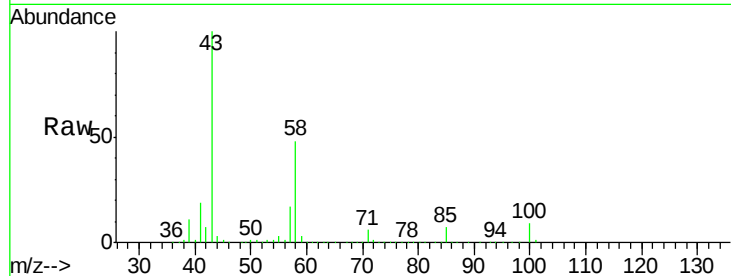
#59
2-Hexanone
Concen: 94.937 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion: 43 Resp: 477785
Ion Ratio Lower Upper
43 100
58 48.7 24.6 73.6

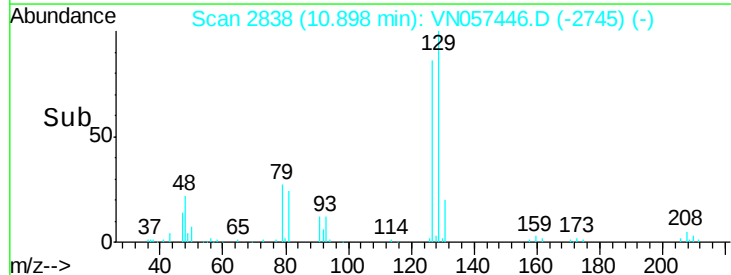
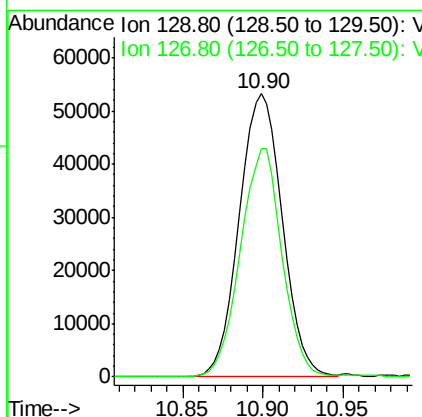
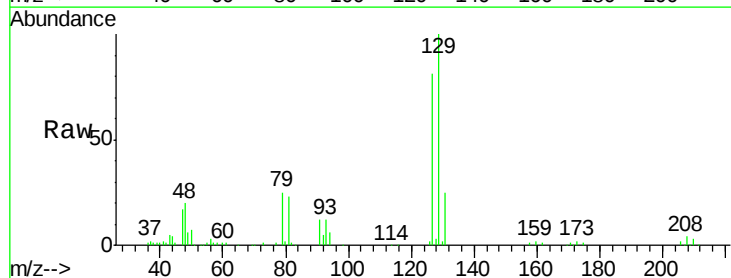
Manual Integrations
APPROVED

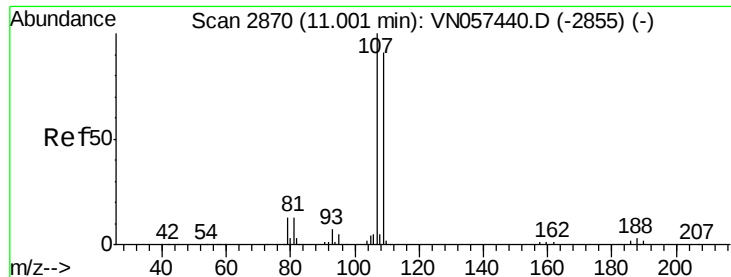
MMDadoda
8/23/2019 2:40:30 PM



#60
Dibromochloromethane
Concen: 18.223 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion: 129 Resp: 97893
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.374 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion:107 Resp: 96597

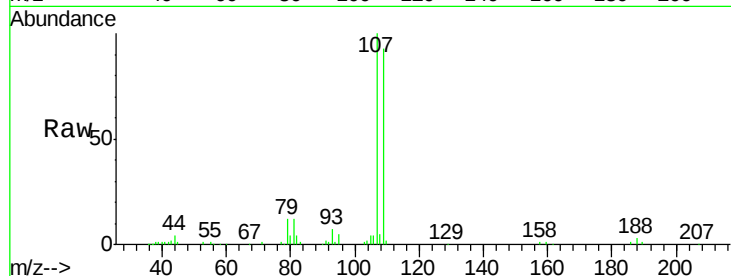
Ion Ratio Lower Upper

107 100

109 91.1 73.8 110.8

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:40:30 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

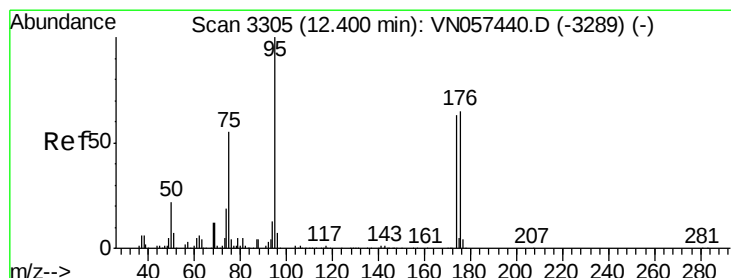
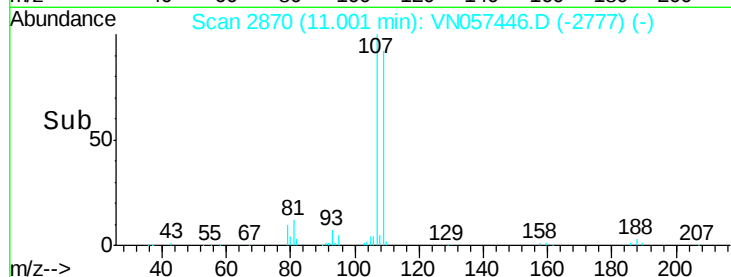
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.716 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

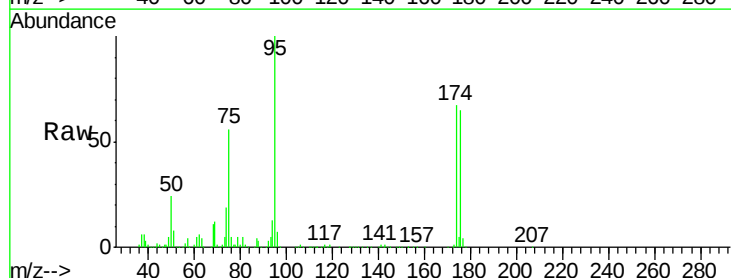
Tgt Ion: 95 Resp: 275228

Ion Ratio Lower Upper

95 100

174 67.1 0.0 133.0

176 66.1 0.0 130.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

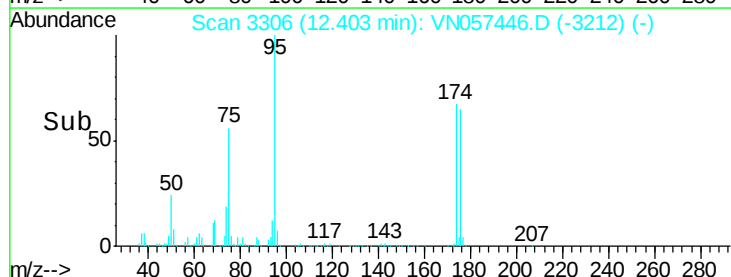
150000

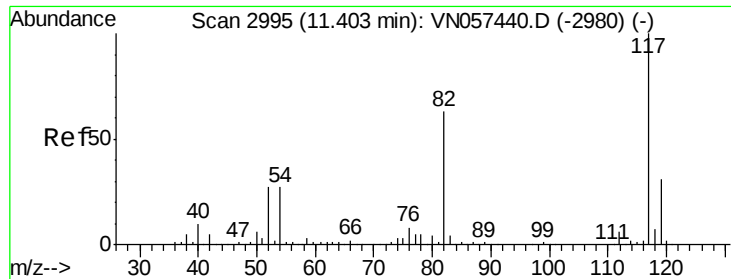
100000

50000

0

Time-->





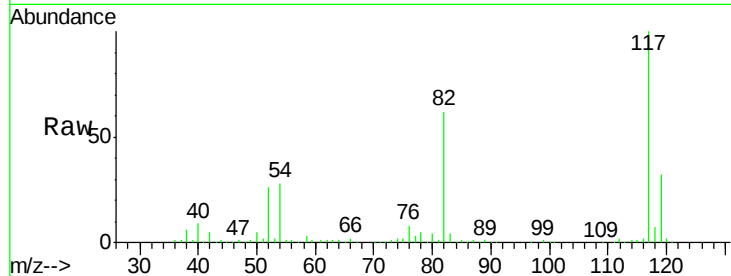
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

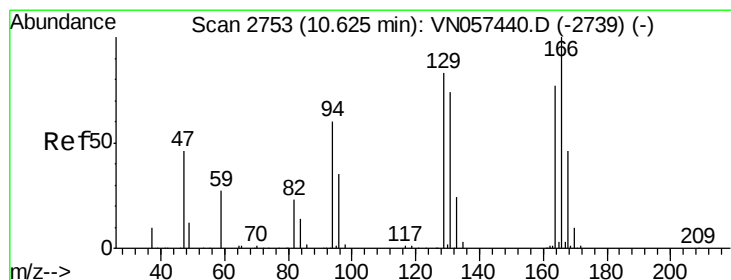
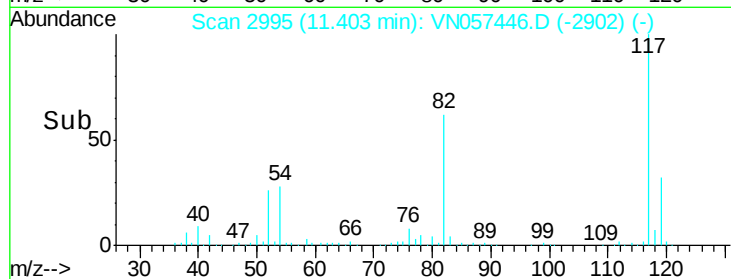
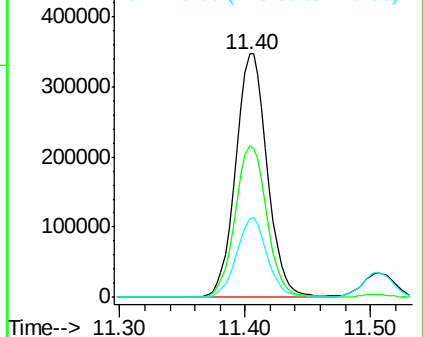
Tot Ion	Ratio	Lower	Upper
117	100		
82	62.2	50.6	75.8
119	32.1	24.6	36.8

Manual Integrations
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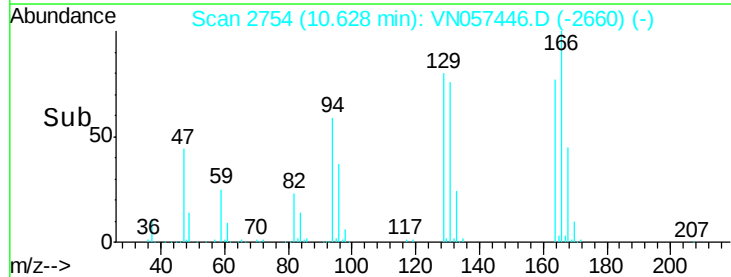
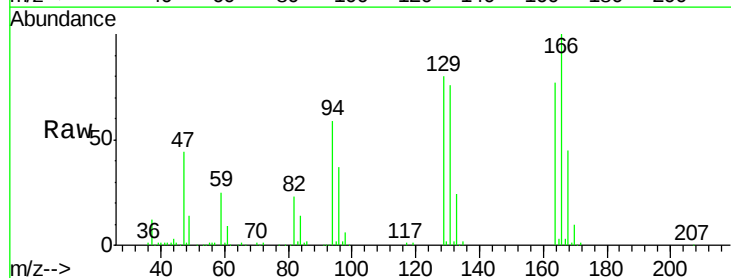
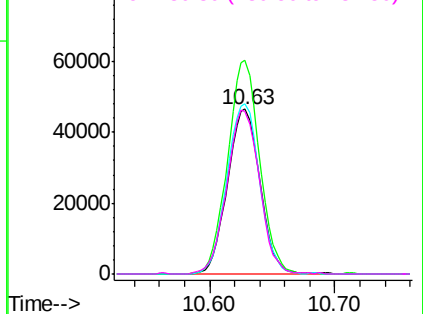
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

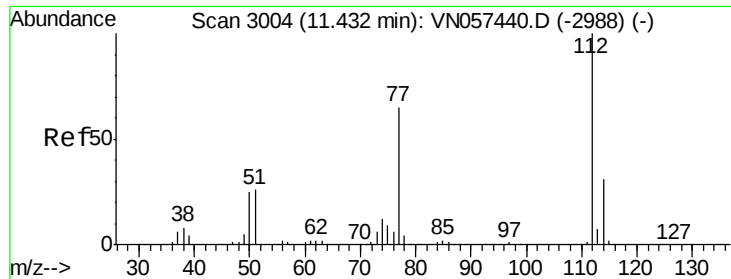


#64
Tetrachloroethene
Concen: 19.752 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	104.4	156.6
129	103.6	86.6	130.0
131	98.9	77.6	116.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.353 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampled :

VN0822WBSD01

Tot Ion:112 Resp: 225203

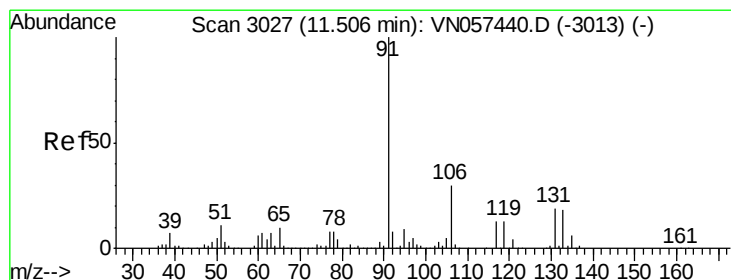
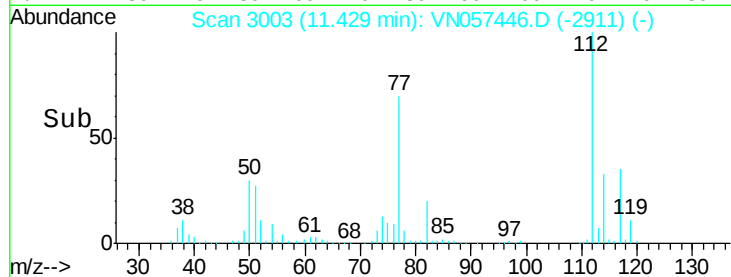
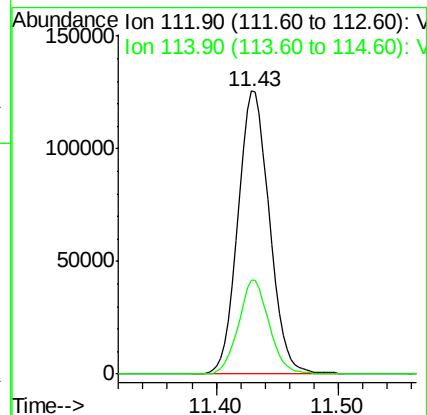
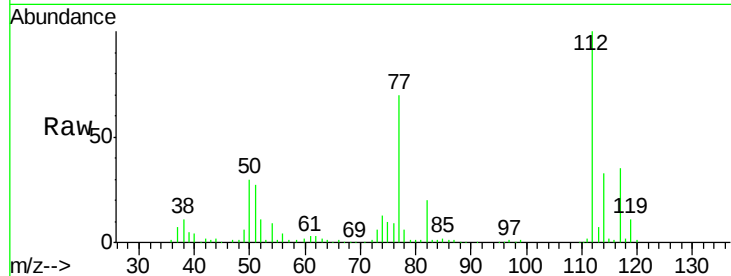
Ion Ratio Lower Upper

112 100

114 33.2 24.8 37.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.864 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

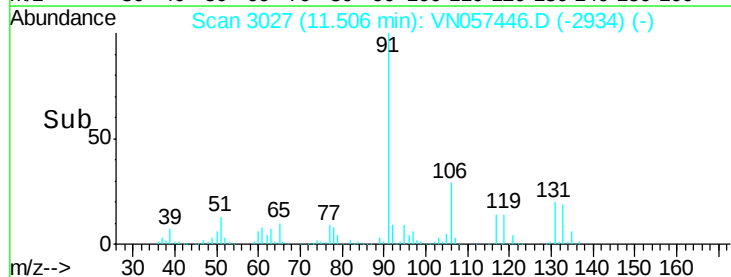
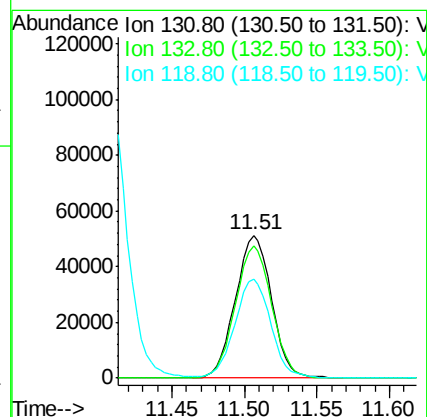
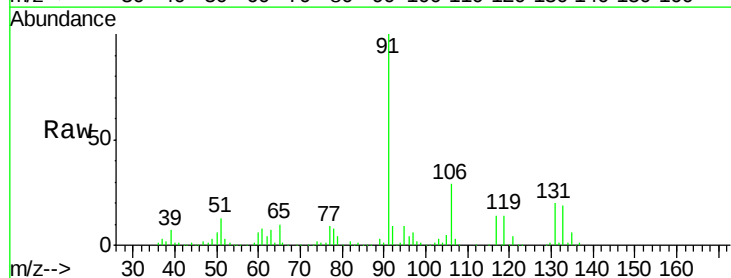
Tgt Ion:131 Resp: 88772

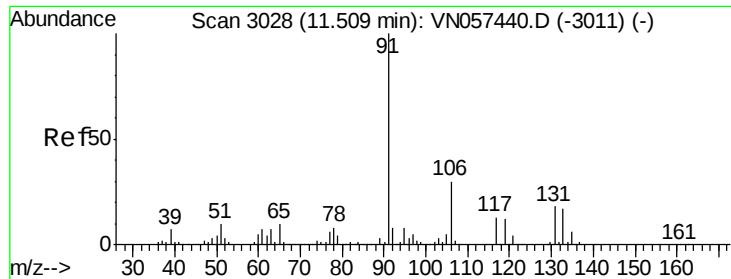
Ion Ratio Lower Upper

131 100

133 93.5 47.6 142.8

119 69.4 34.4 103.2





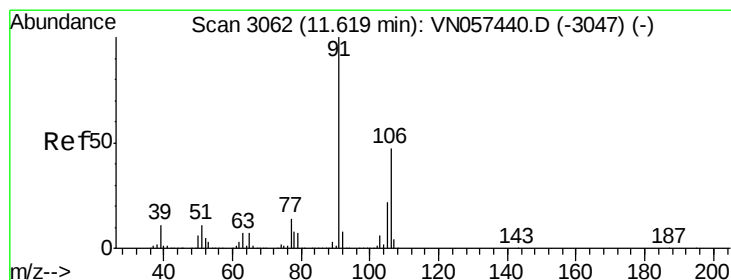
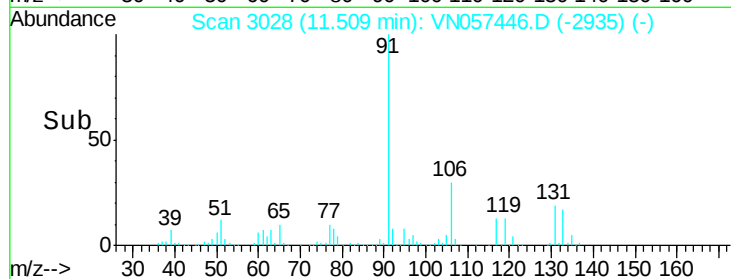
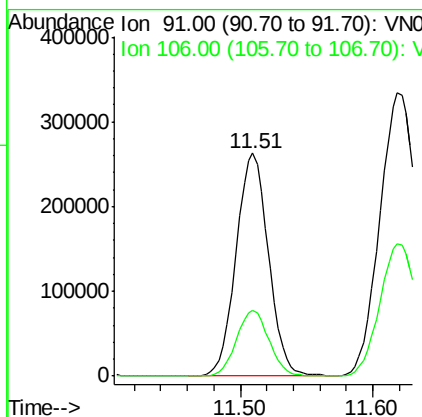
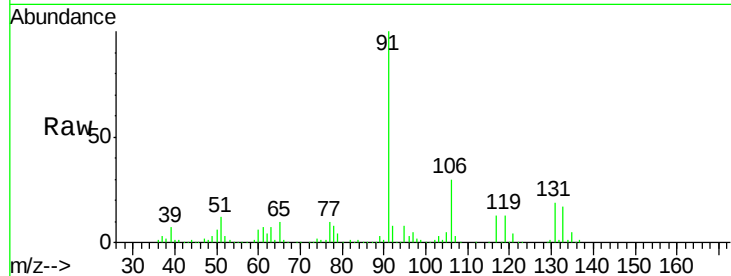
#67
Ethyl Benzene
Concen: 18.800 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampled :
VN0822WBSD01

Tot Ion: 91 Resp: 446524
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1

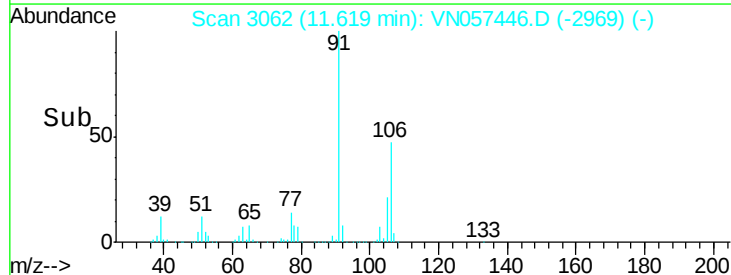
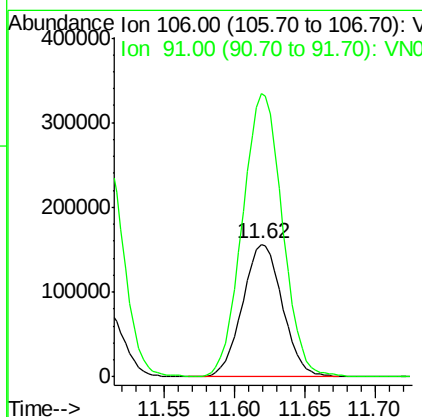
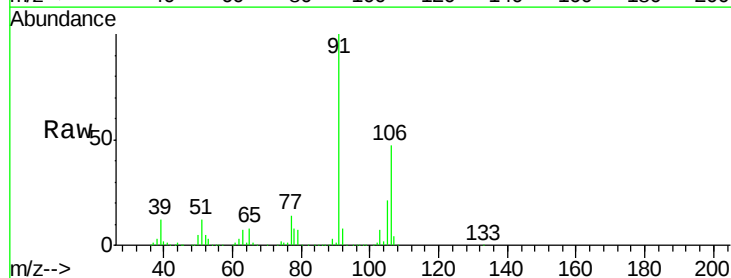
Manual Integrations
APPROVED

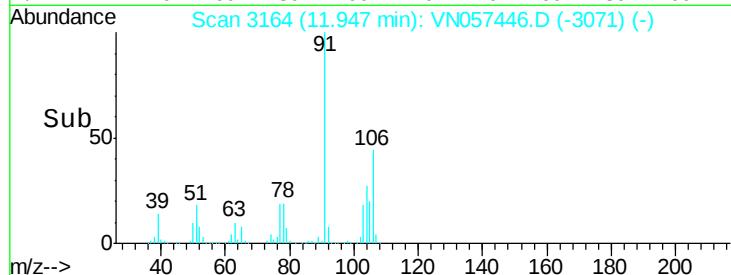
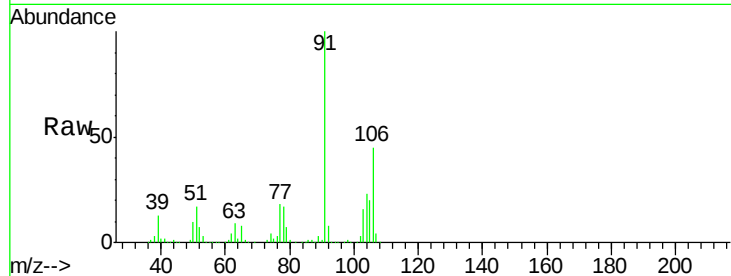
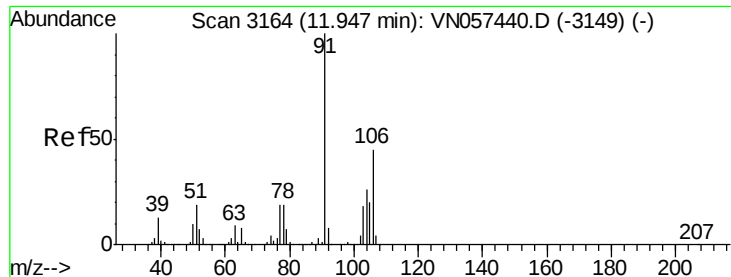
MMDadoda
8/23/2019 2:40:30 PM



#68
m/p-Xylenes
Concen: 38.187 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion: 106 Resp: 308447
Ion Ratio Lower Upper
106 100
91 215.7 171.8 257.6





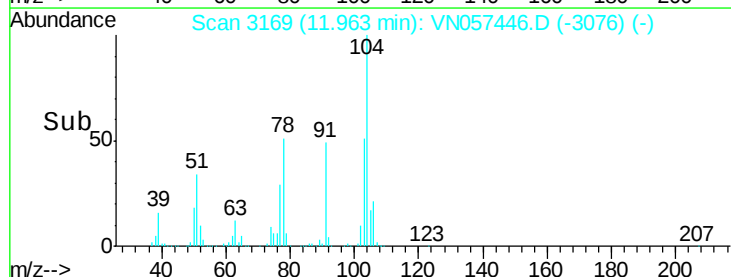
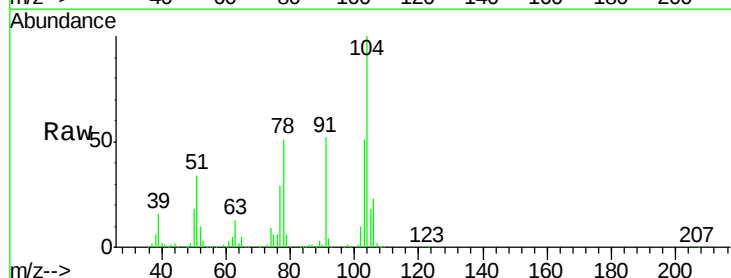
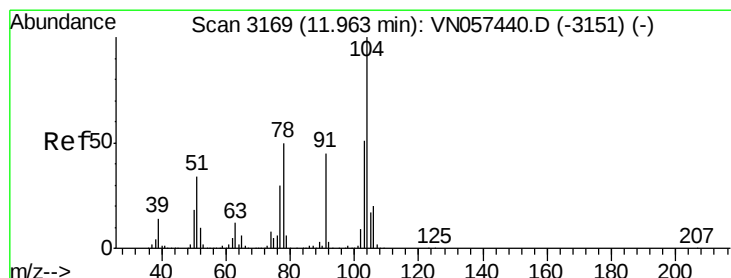
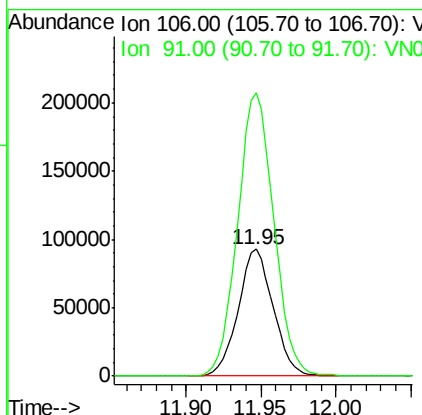
#69
o-Xylene
Concen: 18.932 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tot Ion	Ratio	Resp	Lower	Upper
106	100	151484		
91	231.3	112.3	336.9	

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

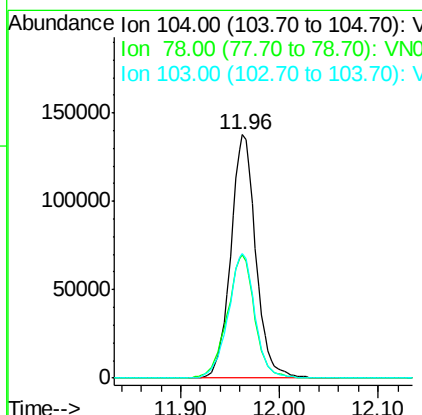
Manual Integrations
APPROVED

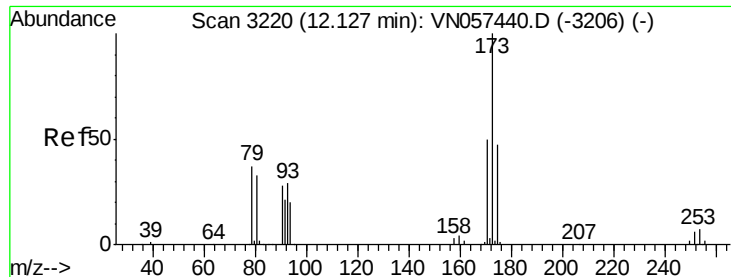
MMDadoda
8/23/2019 2:40:30 PM



#70
Styrene
Concen: 19.251 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	243914		
78	55.1	44.7	67.1	
103	54.6	44.4	66.6	





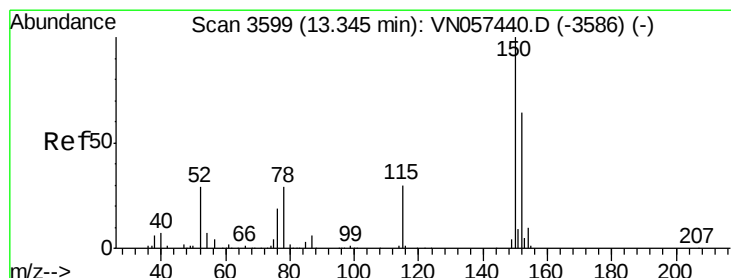
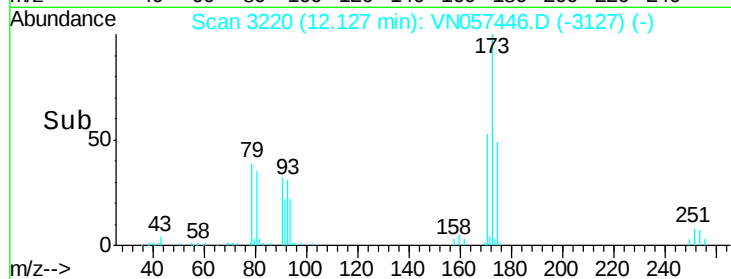
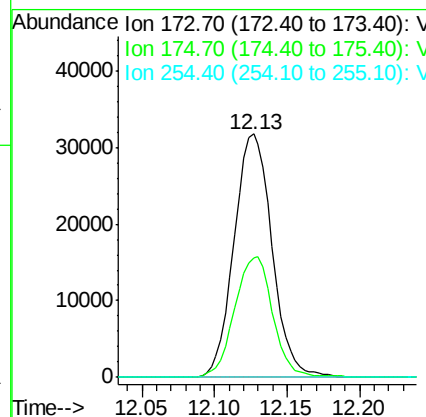
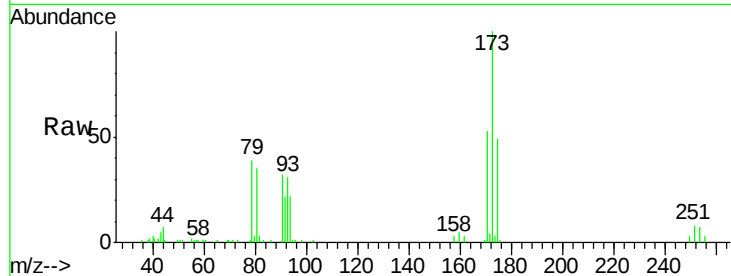
#71
Bromoform
Concen: 18.112 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	23.9	71.8
254	0.0	0.1	0.1#

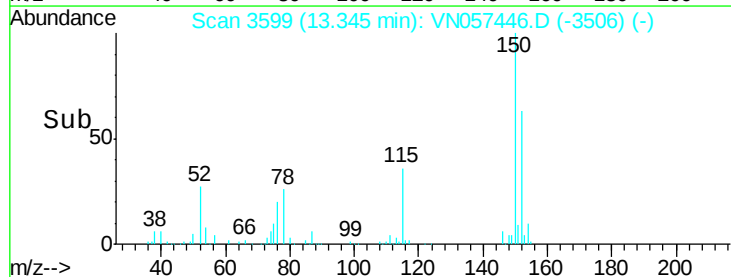
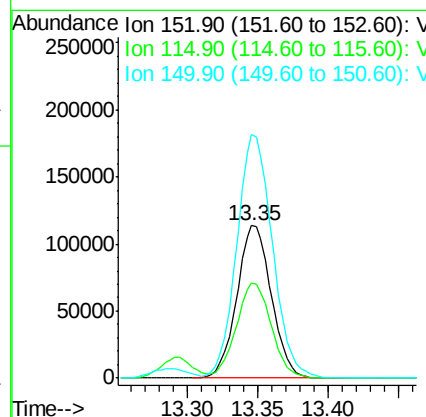
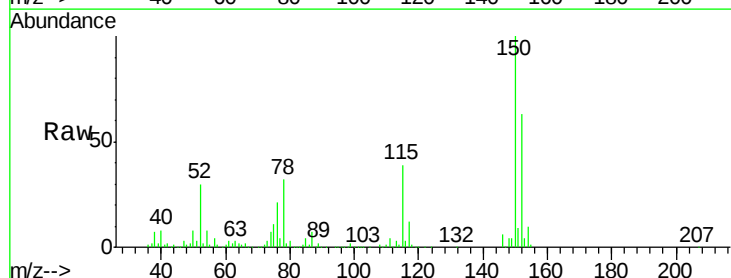
Manual Integrations
APPROVED

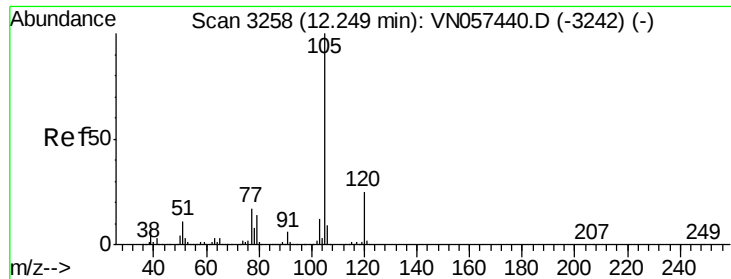
MMDadoda
8/23/2019 2:40:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	32.0	96.0
150	165.7	0.0	346.6





#73

Isopropylbenzene

Concen: 21.668 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 105 Resp: 412329

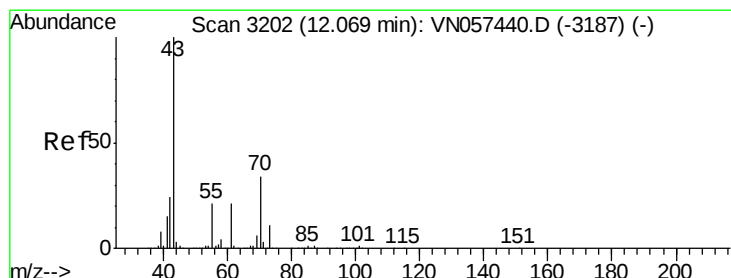
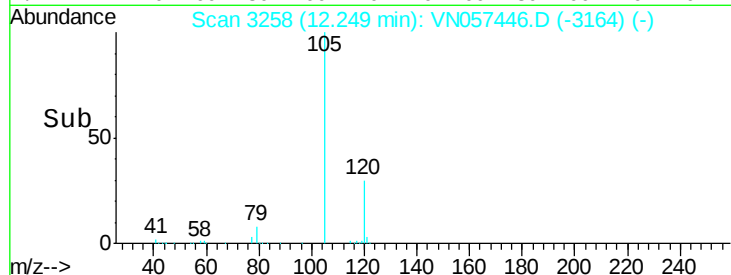
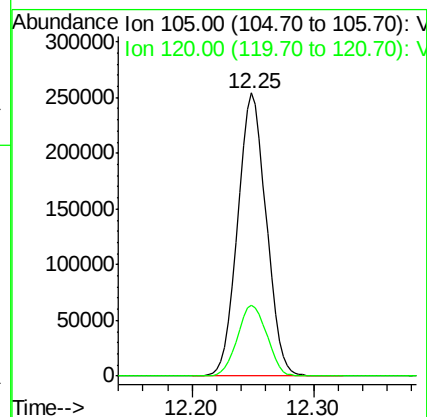
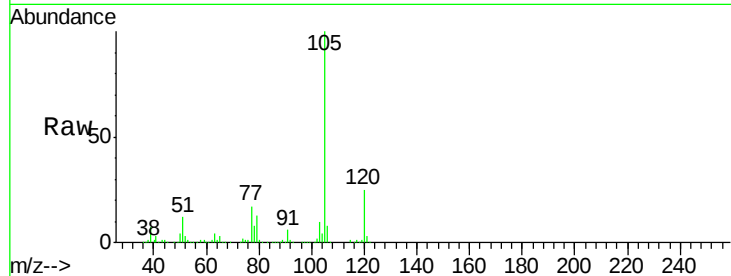
Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:40:30 PM



#74

N-ethyl acetate

Concen: 21.704 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion: 43 Resp: 191819

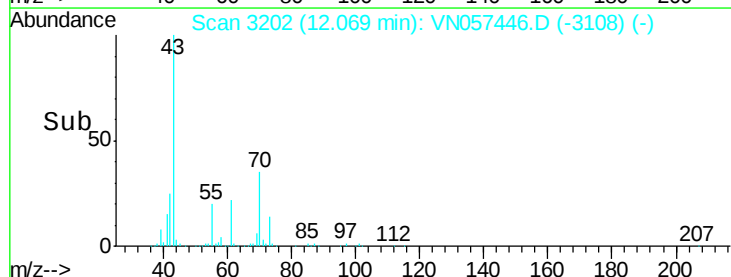
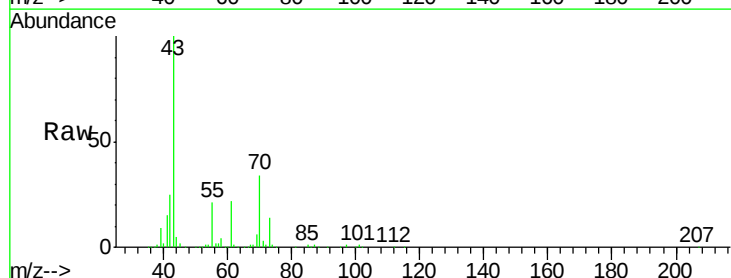
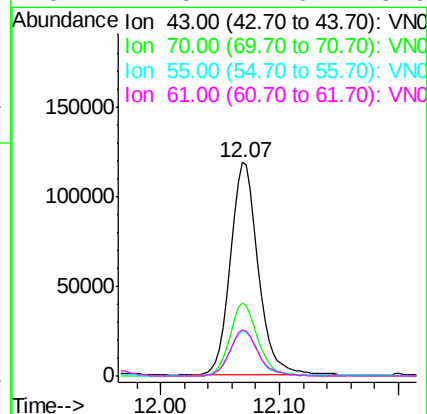
Ion Ratio Lower Upper

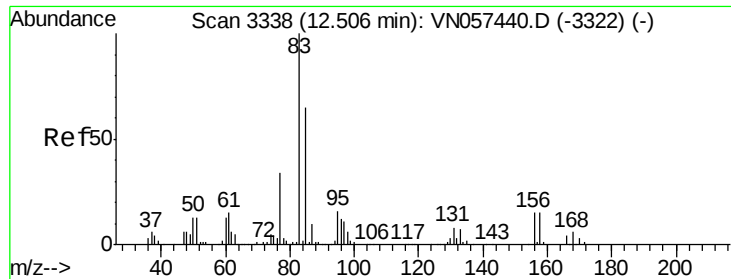
43 100

70 34.7 27.8 41.6

55 20.9 17.0 25.4

61 22.5 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.916 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

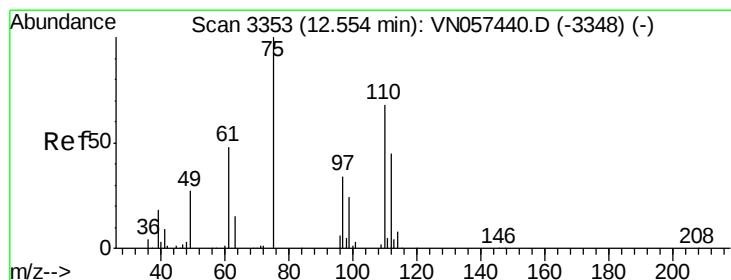
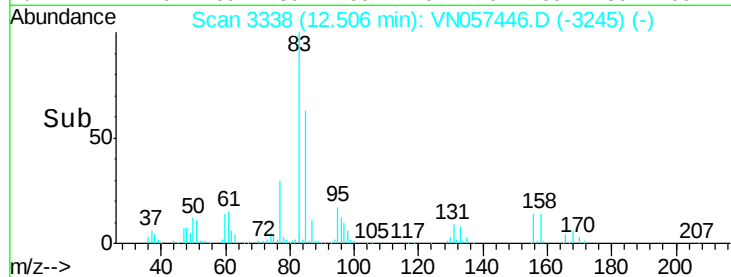
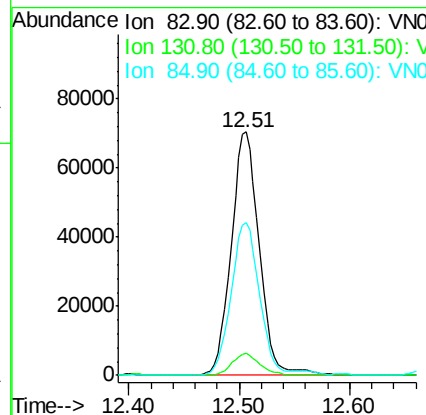
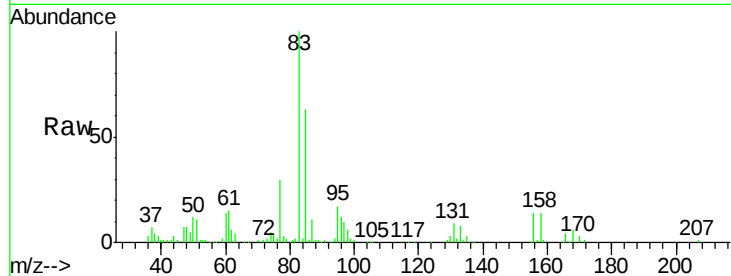
ClientSampleId :

VN0822WBSD01

Tot Ion:	83	Resp:	124170
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.3	13.1
85	63.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 26.019 ug/l m

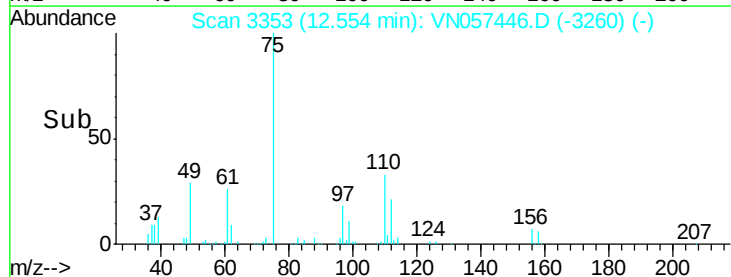
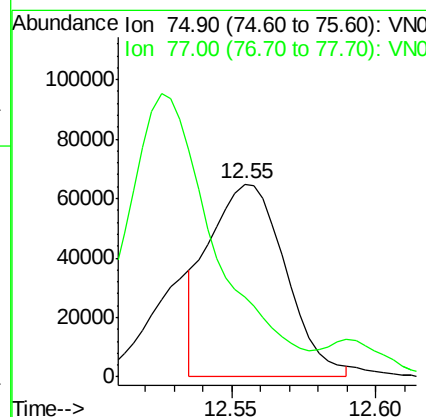
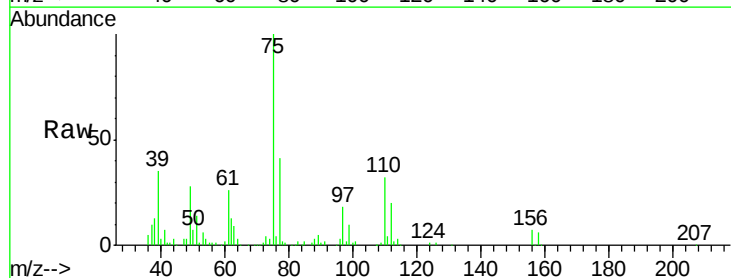
RT: 12.55 min Scan# 3353

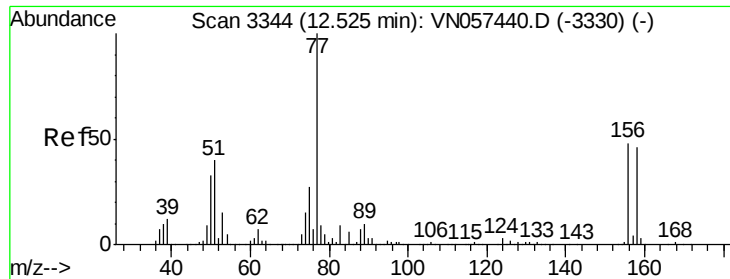
Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion:	75	Resp:	119647
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.956 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion:156 Resp: 84381

Ion Ratio Lower Upper

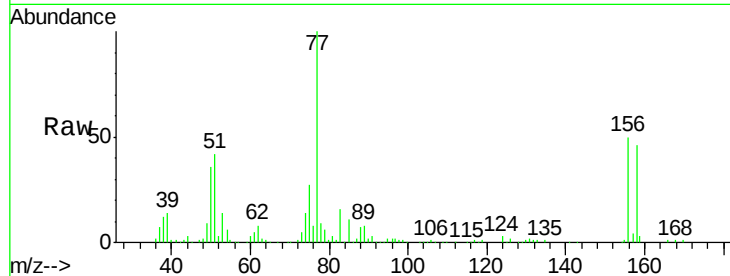
156 100

77 240.8 124.4 373.3

158 94.6 48.3 144.8

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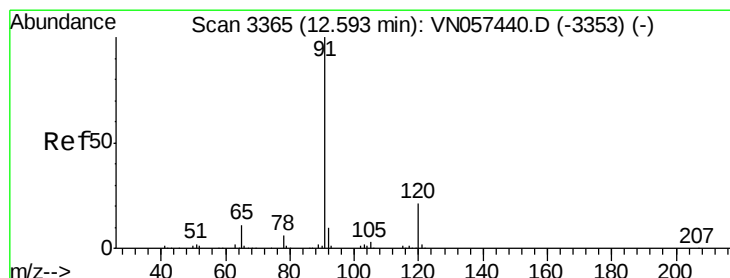
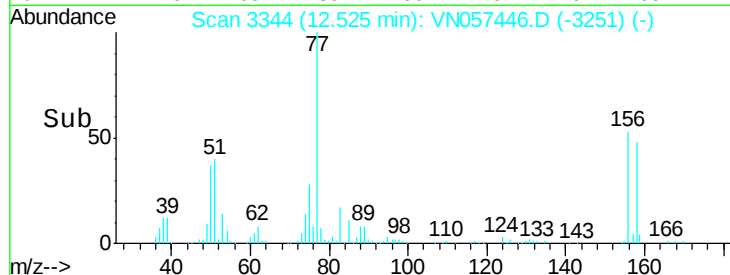
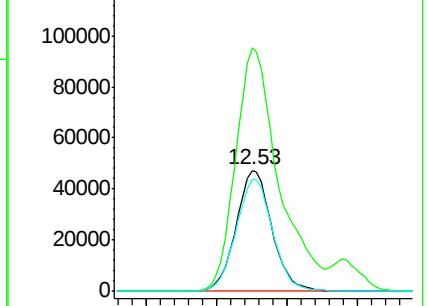
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.855 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057446.D

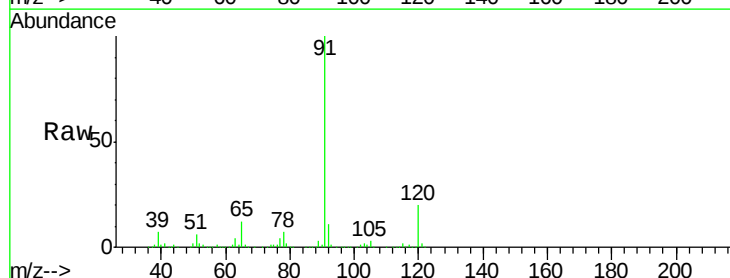
Acq: 22 Aug 2019 21:16

Tgt Ion: 91 Resp: 440753

Ion Ratio Lower Upper

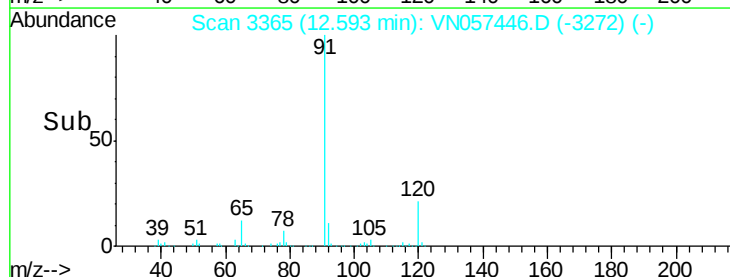
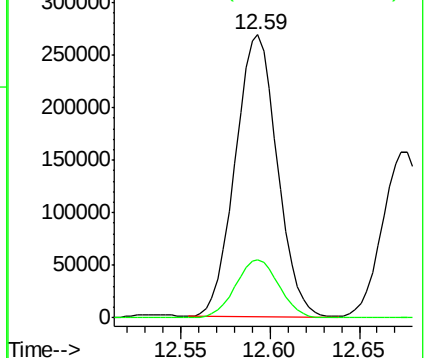
91 100

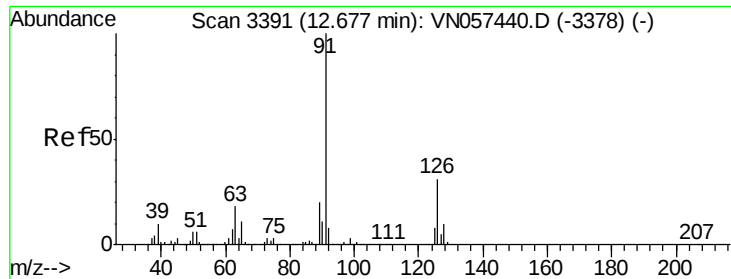
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.375 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 91 Resp: 269044

Ion Ratio Lower Upper

91 100

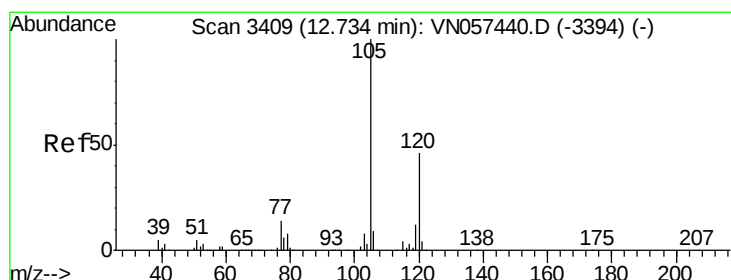
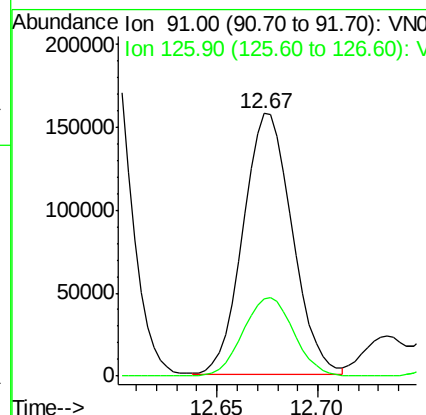
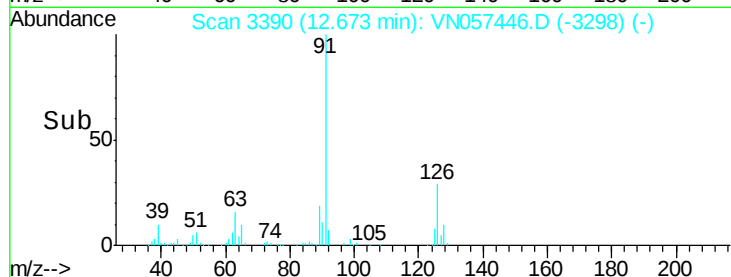
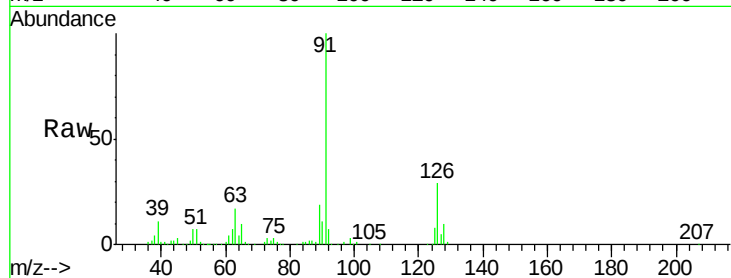
126 31.1 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.393 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057446.D

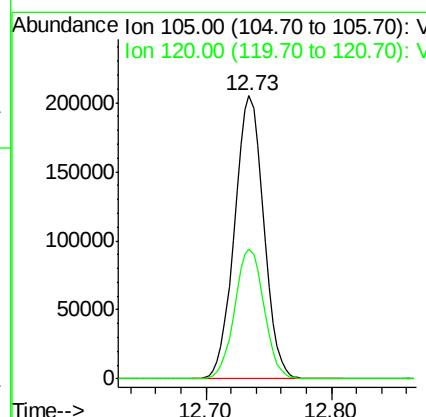
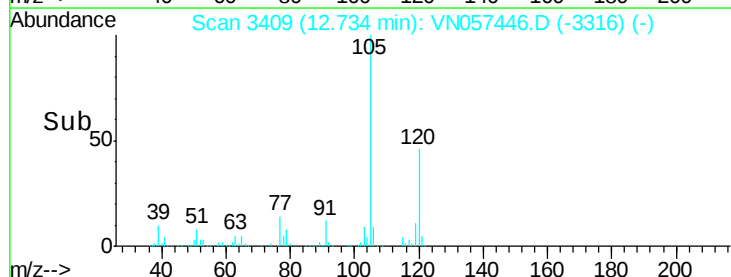
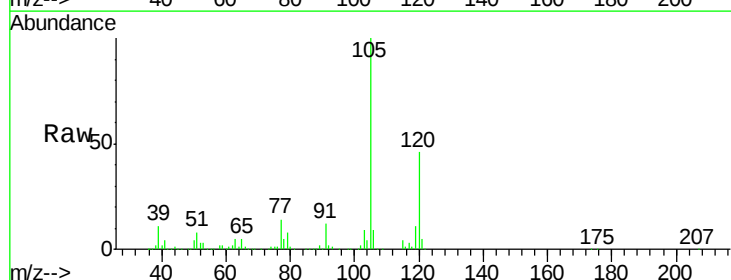
Acq: 22 Aug 2019 21:16

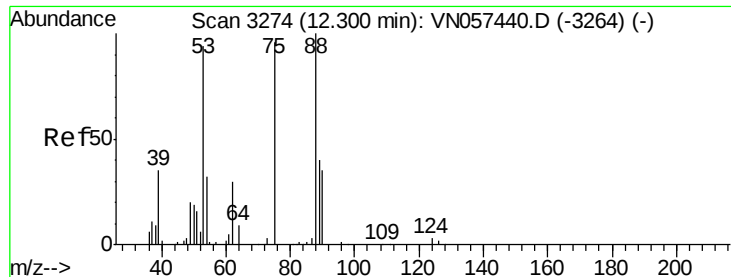
Tgt Ion: 105 Resp: 330965

Ion Ratio Lower Upper

105 100

120 46.2 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.466 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBSD01

Tot Ion: 75 Resp: 37350

Ion Ratio Lower Upper

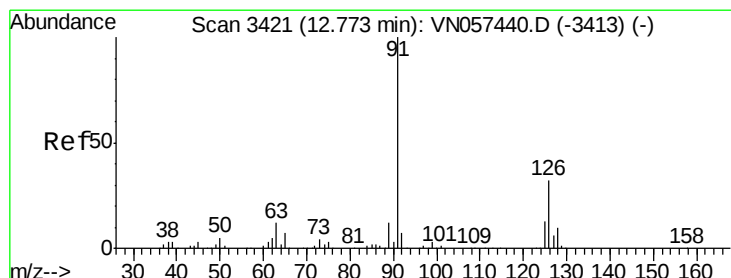
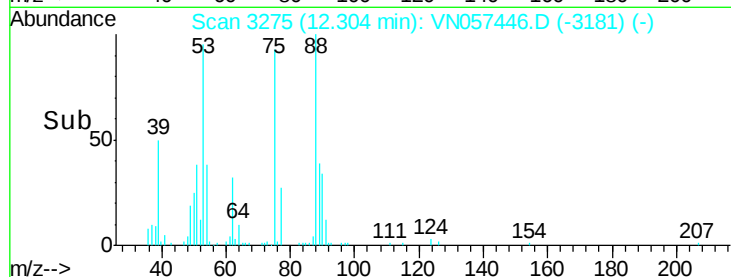
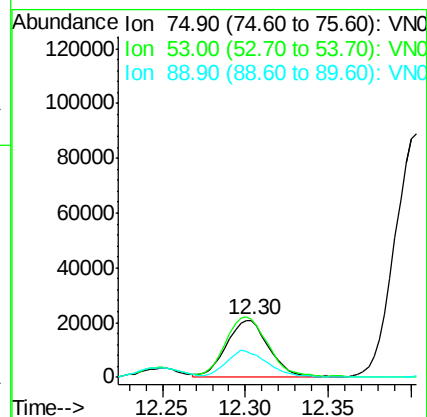
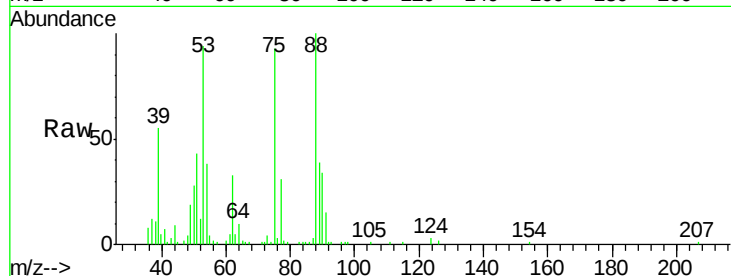
75 100

53 103.2 82.7 124.1

89 46.1 35.8 53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.989 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057446.D

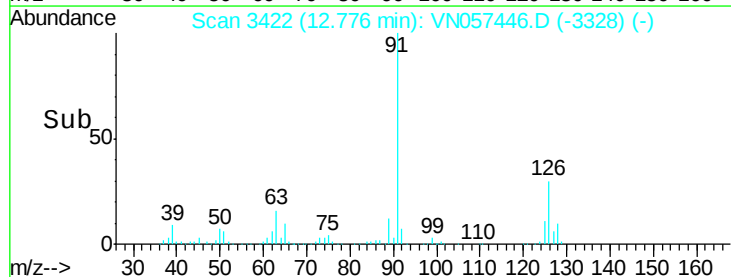
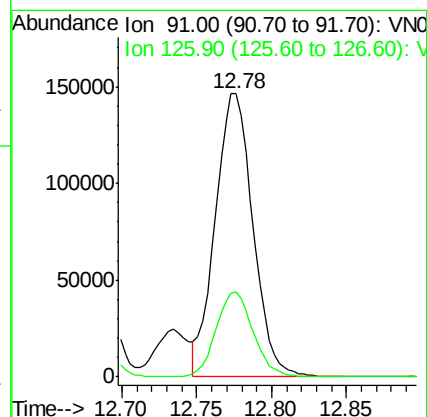
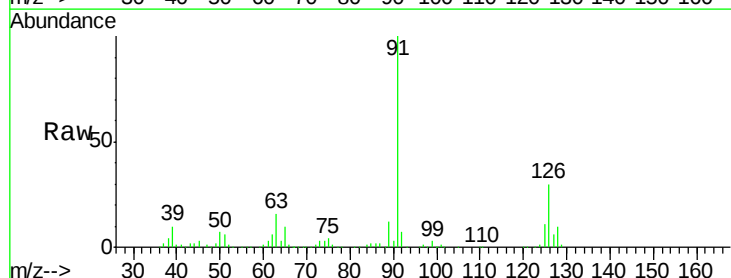
Acq: 22 Aug 2019 21:16

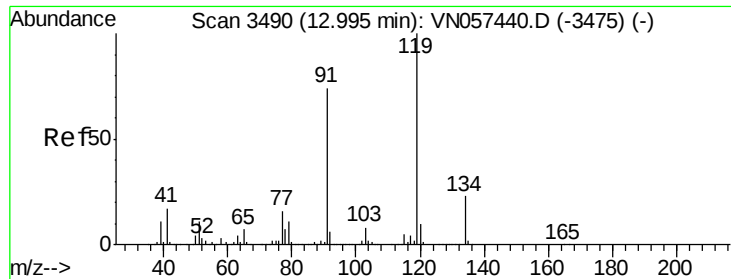
Tgt Ion: 91 Resp: 255787

Ion Ratio Lower Upper

91 100

126 29.6 15.0 45.0





#83

tert-Butylbenzene

Concen: 21.602 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

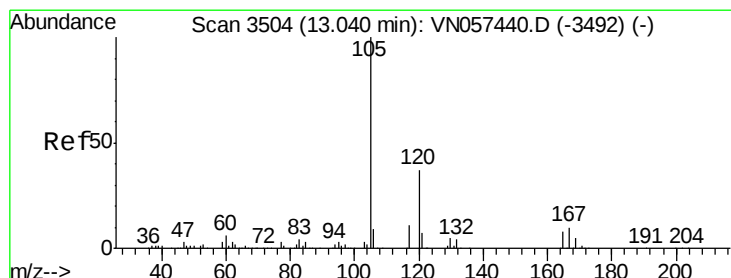
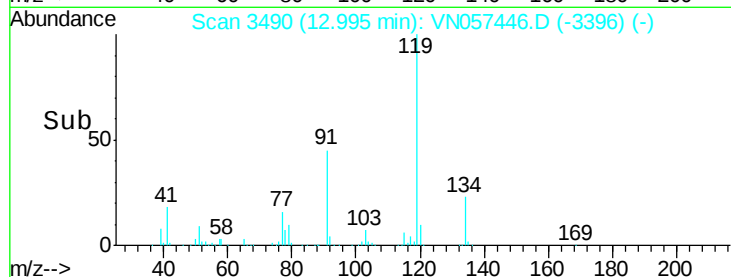
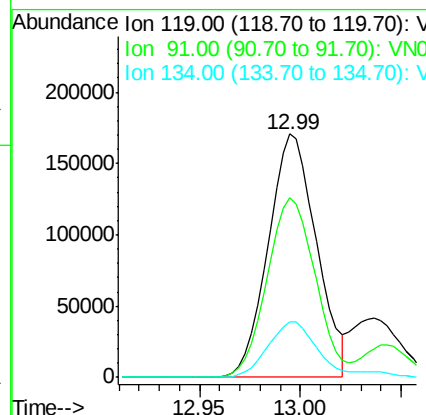
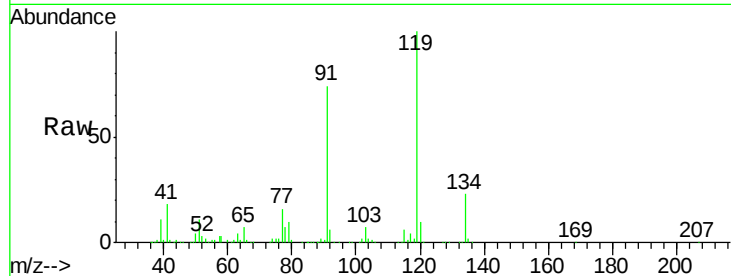
ClientSampleId :

VN0822WBSD01

Tot Ion:	119	Resp:	283457
Ion Ratio	Lower	Upper	
119	100		
91	73.7	37.0	111.0
134	23.1	12.2	36.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.834 ug/l

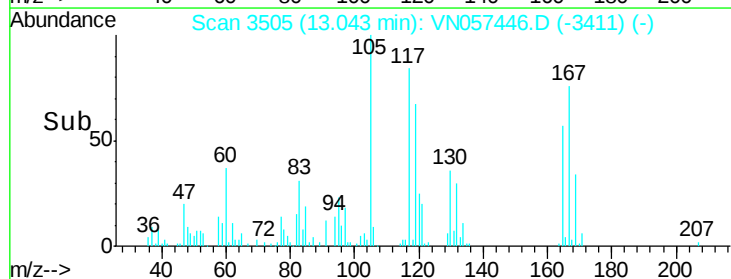
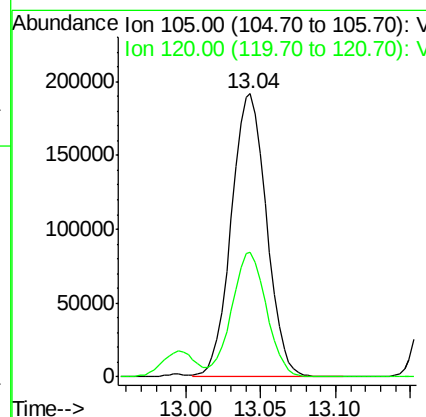
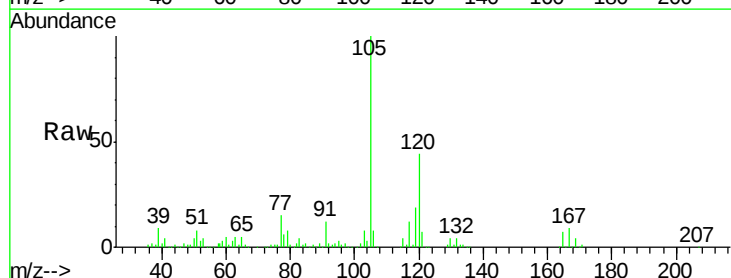
RT: 13.04 min Scan# 3505

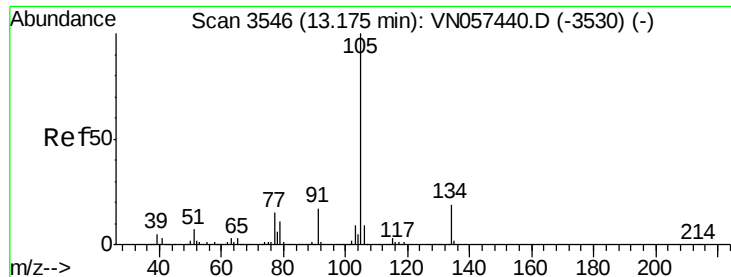
Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion:	105	Resp:	314814
Ion Ratio	Lower	Upper	
105	100		
120	43.3	21.9	65.7





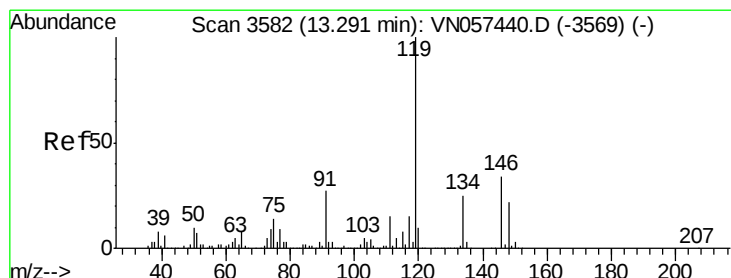
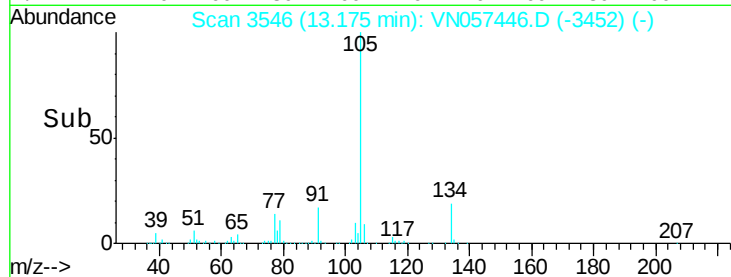
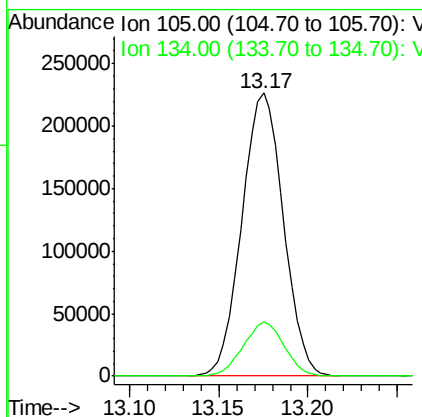
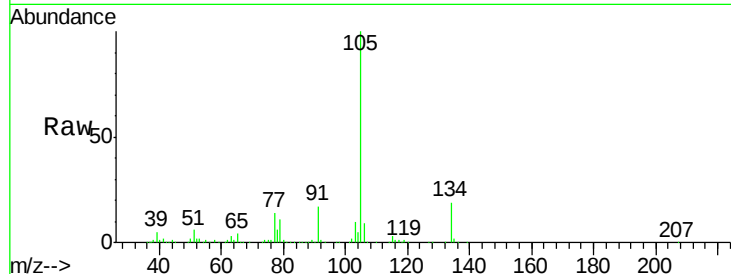
#85
 sec-Butylbenzene
 Concen: 21.323 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.3	27.9

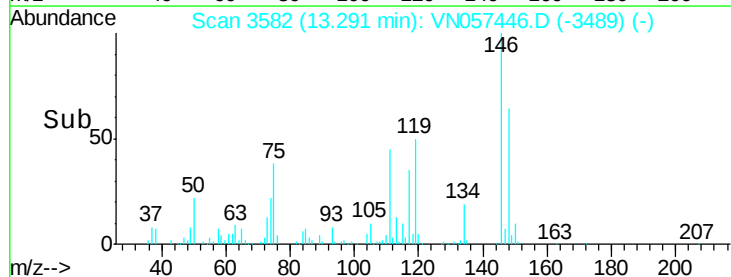
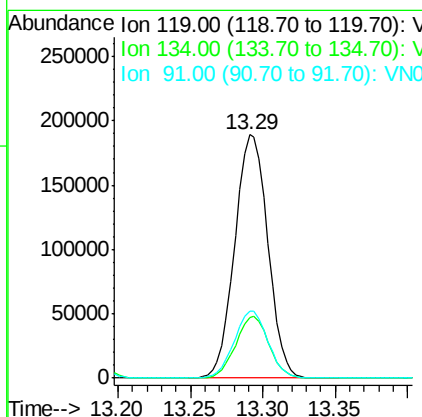
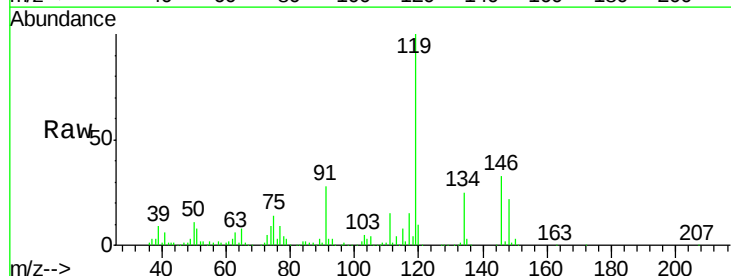
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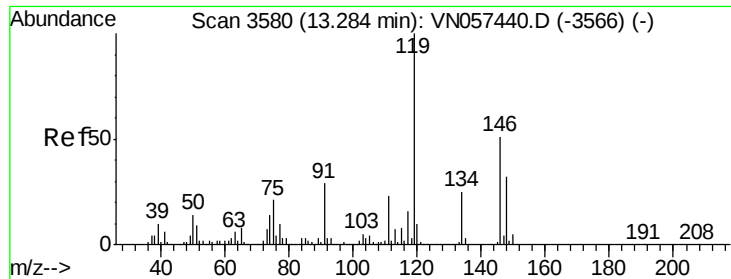
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#86
 p-Isopropyltoluene
 Concen: 19.698 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.7	38.1
91	27.8	13.9	41.6





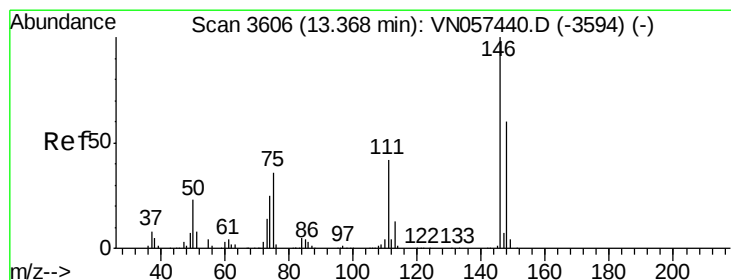
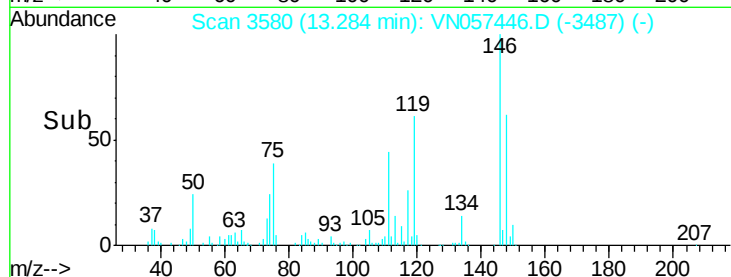
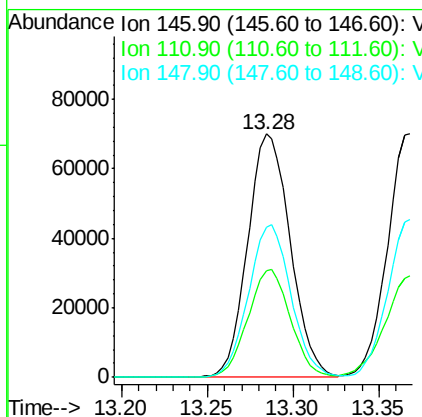
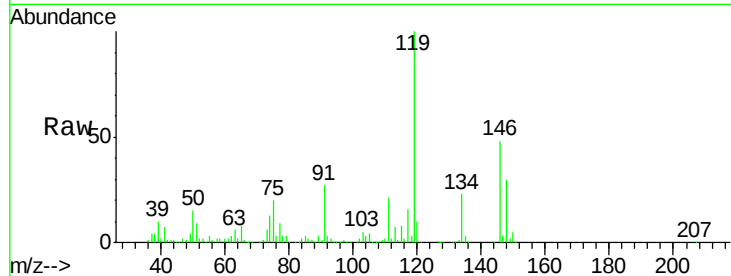
#87
 1,3-Dichlorobenzene
 Concen: 19.213 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.1
148	62.6	31.9	95.9

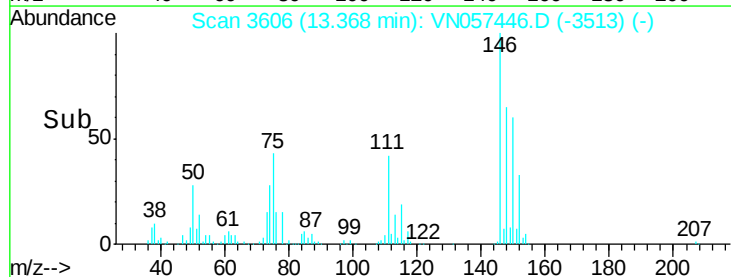
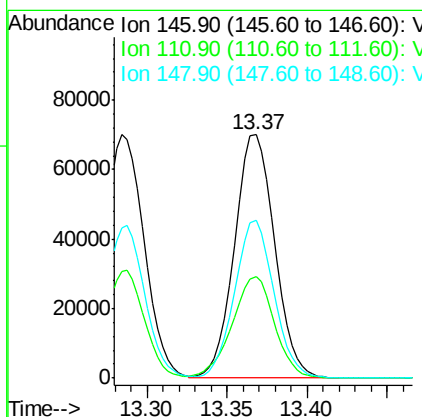
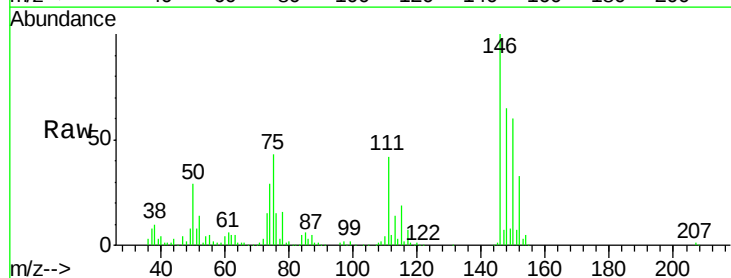
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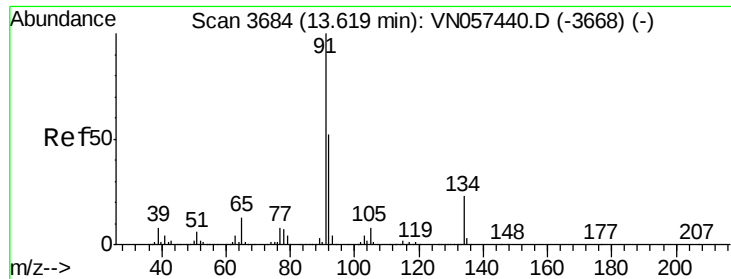
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#88
 1,4-Dichlorobenzene
 Concen: 19.519 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.5
148	63.5	31.1	93.2





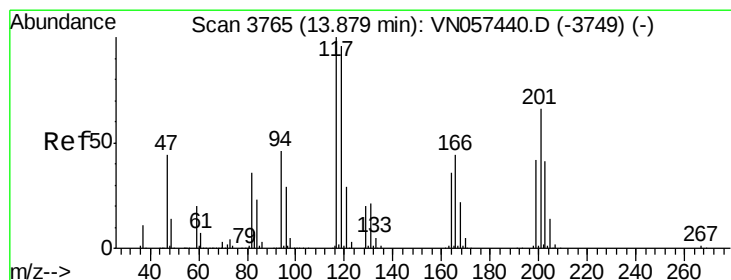
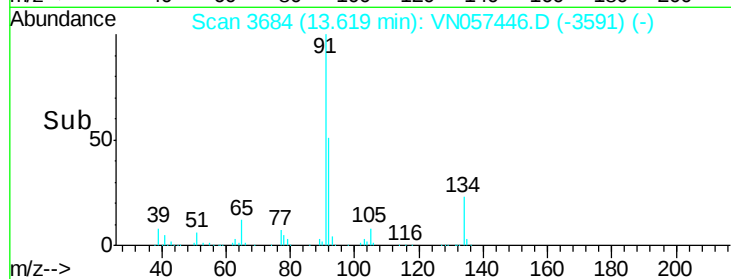
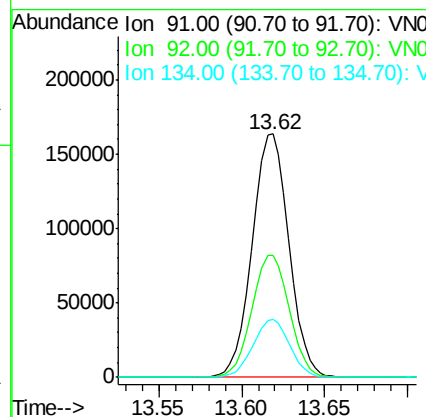
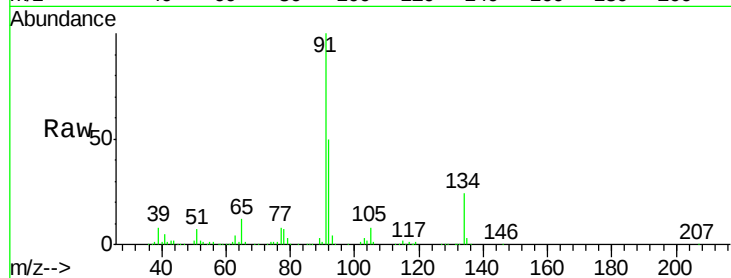
#89
n-Butylbenzene
Concen: 19.676 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.7	77.0
134	23.7	11.4	34.1

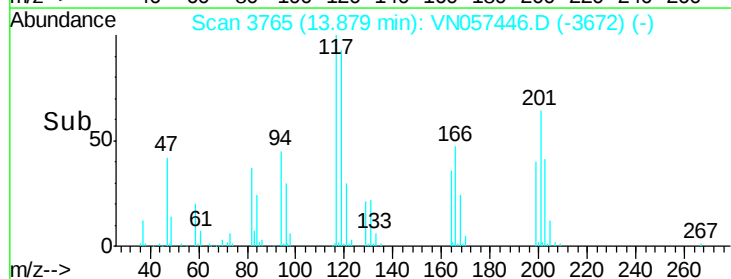
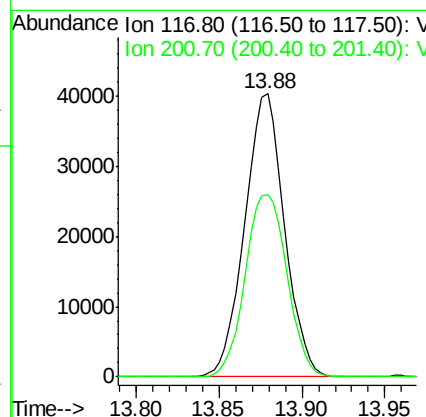
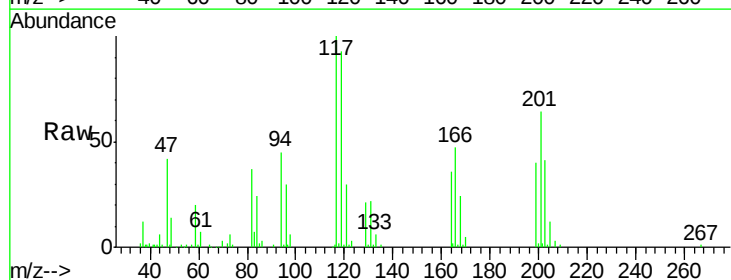
Manual Integrations
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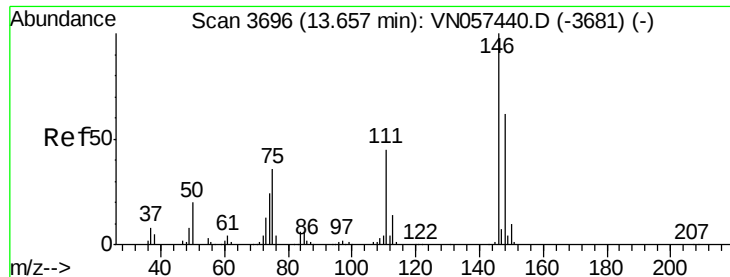
MMDadoda
8/23/2019 2:40:30 PM



#90
Hexachloroethane
Concen: 21.588 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057446.D
Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.7	33.1	99.3





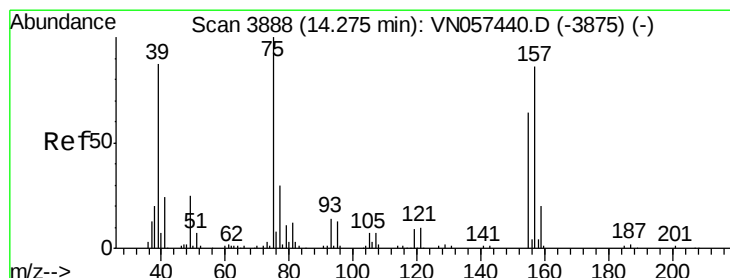
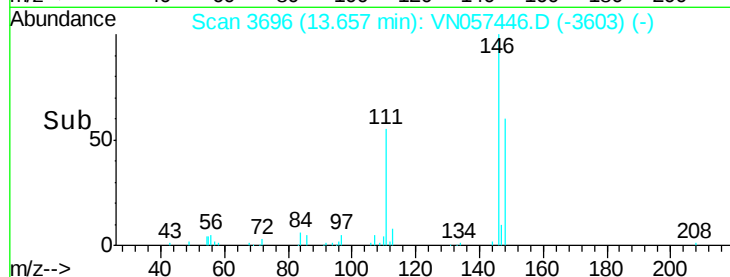
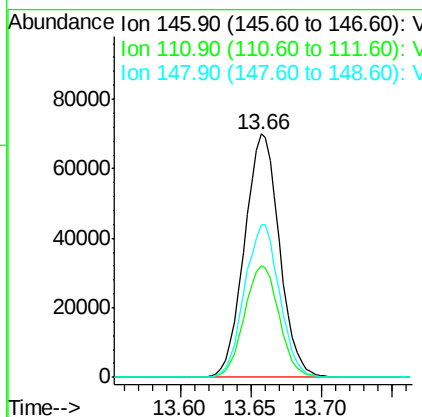
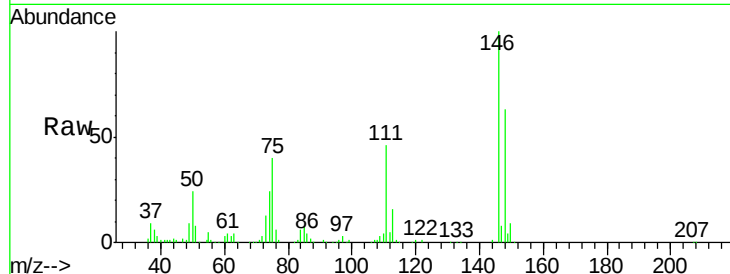
#91
 1,2-Dichlorobenzene
 Concen: 20.288 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.1	69.2
148	63.0	31.8	95.4

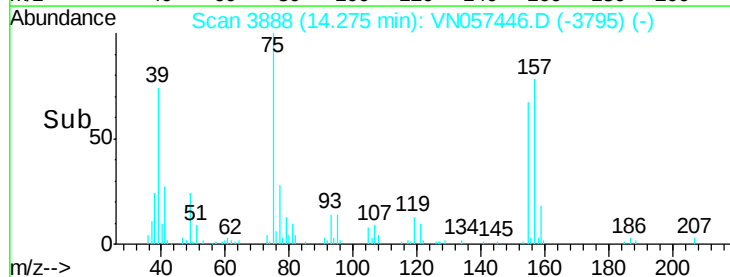
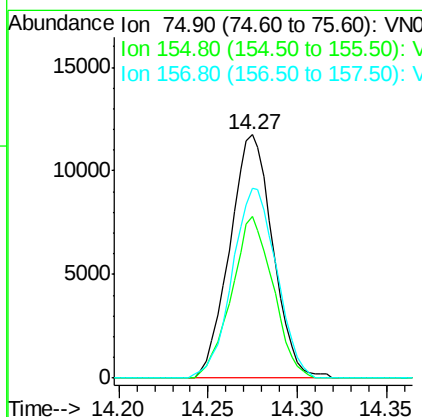
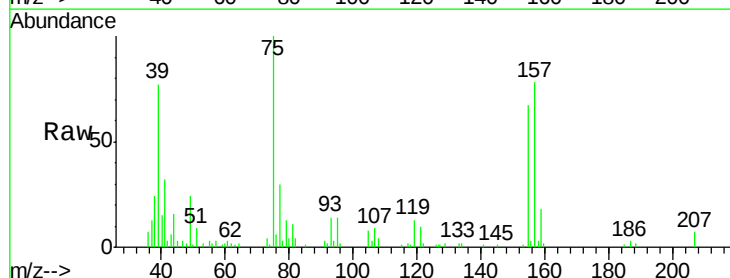
Manual Integrations
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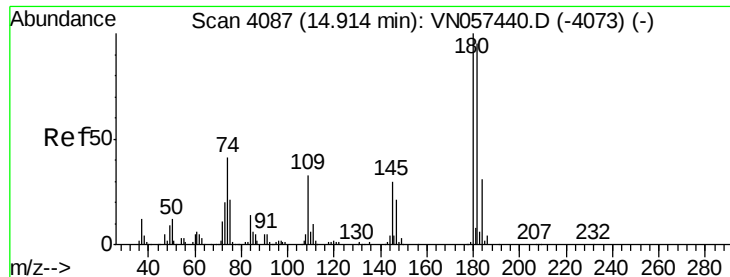
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.910 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.9	31.6	94.7
157	80.1	43.3	129.8





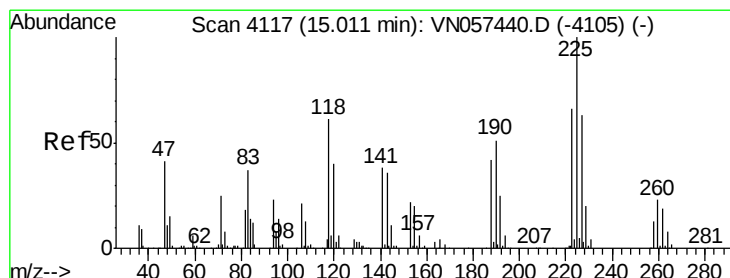
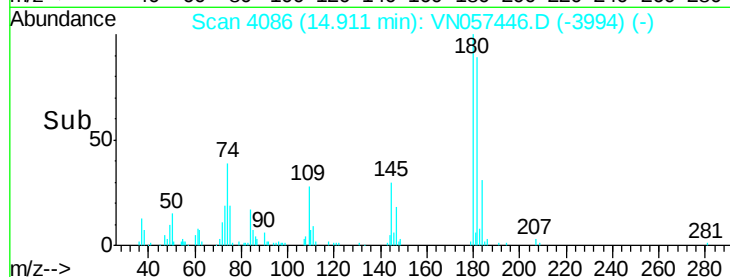
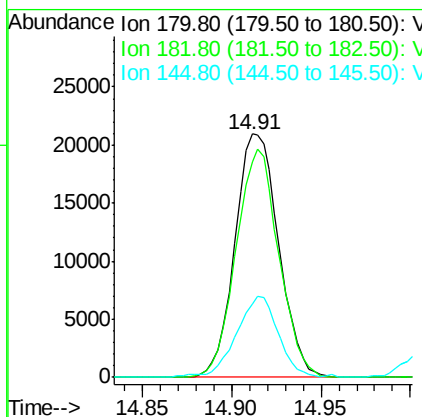
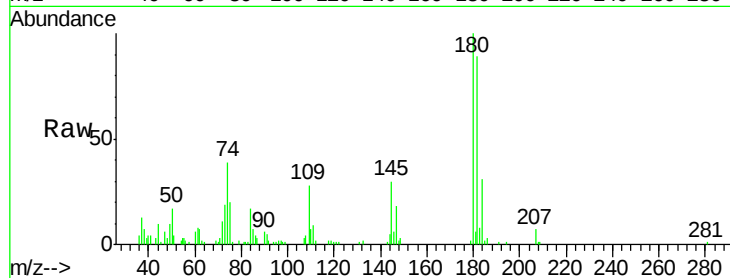
#93
 1,2,4-Trichlorobenzene
 Concen: 18.555 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.7	46.7	140.1
145	32.0	15.6	46.8

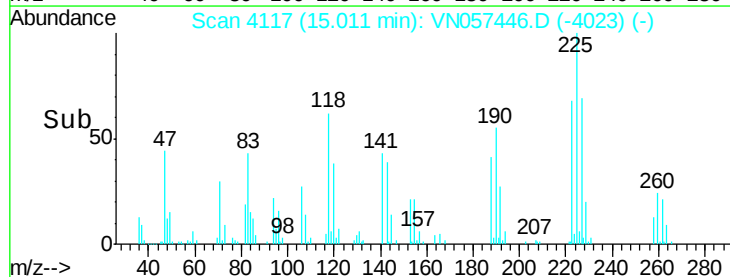
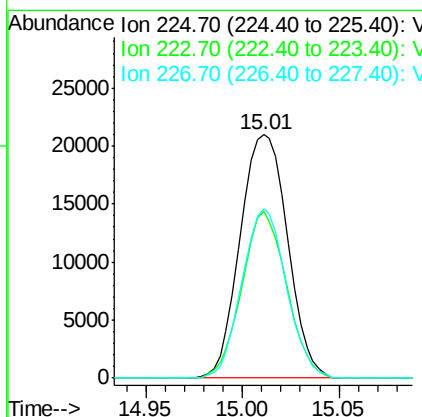
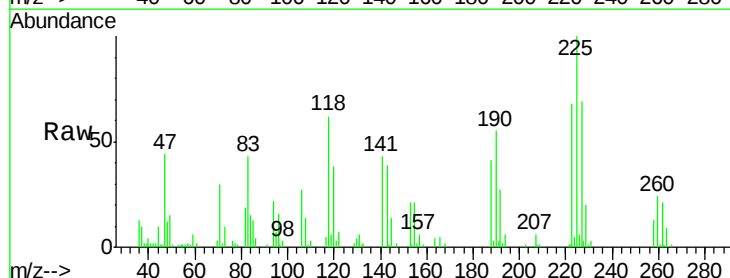
Manual Integrations
 APPROVED

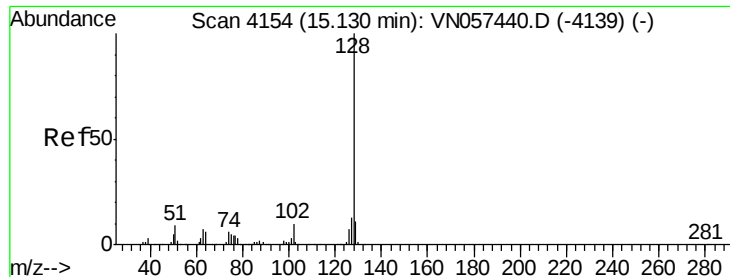
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#94
 Hexachlorobutadiene
 Concen: 21.620 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057446.D
 Acq: 22 Aug 2019 21:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.0	96.2
227	65.1	31.5	94.5





#95

Naphthalene

Concen: 18.478 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Instrument :

MSVOA_N

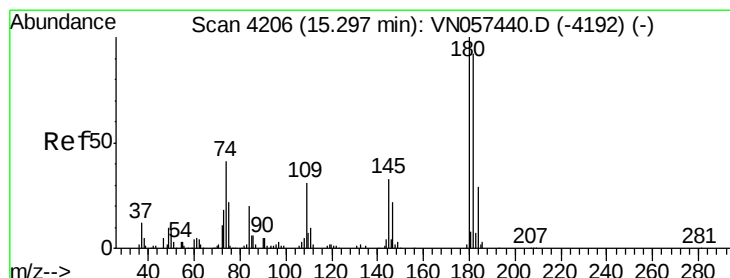
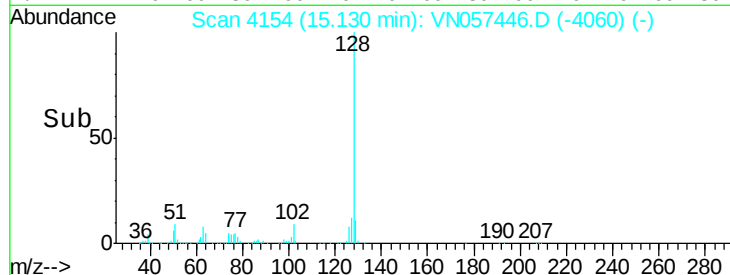
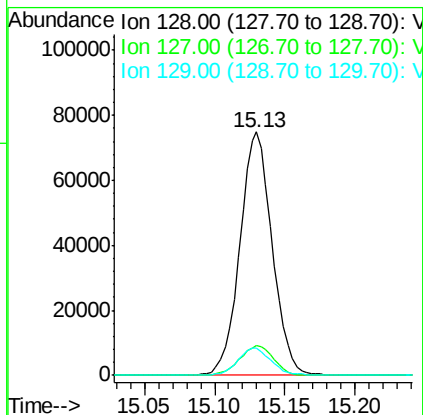
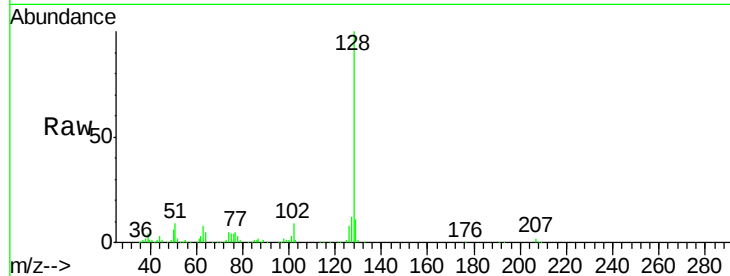
ClientSampleId :

VN0822WBSD01

Tot Ion:	128	Resp:	119713
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	11.6	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 18.115 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057446.D

Acq: 22 Aug 2019 21:16

Tgt Ion:	180	Resp:	35087
Ion Ratio	Lower	Upper	
180	100		
182	97.9	46.7	140.1
145	35.2	16.8	50.3

