

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057445.D
 Acq On : 22 Aug 2019 20:50
 Operator : JC/SP
 Sample : VN0822WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:24 PM

Quant Time: Aug 23 05:28:17 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	378770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	704616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	606341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	192174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	351716	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
35) Dibromofluoromethane	7.58	113	238134	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.08	98	921652	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.40	95	289515	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	95578	21.383	ug/l	97
3) Chloromethane	2.05	50	130487	20.440	ug/l	98
4) Vinyl Chloride	2.17	62	162312	20.889	ug/l	99
5) Bromomethane	2.55	94	105172	21.963	ug/l	93
6) Chloroethane	2.69	64	100005	20.008	ug/l	95
7) Trichlorofluoromethane	3.00	101	242643	20.118	ug/l	99
8) Diethyl Ether	3.39	74	87400	20.689	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	131678	21.312	ug/l	99
10) Methyl Iodide	3.92	142	92541	18.790	ug/l	98
11) Tert butyl alcohol	4.79	59	86485	104.468	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	125429	19.455	ug/l	95
13) Acrolein	3.58	56	81612	112.112	ug/l	99
14) Allyl chloride	4.29	41	172449	20.217	ug/l	99
15) Acrylonitrile	4.97	53	230734	103.349	ug/l	97
16) Acetone	3.80	43	211551	69.136	ug/l	100
17) Carbon Disulfide	4.02	76	237881	19.343	ug/l	98
18) Methyl Acetate	4.30	43	145123	21.432	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	298288	19.166	ug/l	97
20) Methylene Chloride	4.53	84	92032	20.241	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	88280	19.404	ug/l	95
22) Diisopropyl ether	5.94	45	363245	19.858	ug/l	98
23) Vinyl Acetate	5.87	43	1389176	97.231	ug/l	99
24) 1,1-Dichloroethane	5.82	63	189682	19.566	ug/l	100
25) 2-Butanone	6.82	43	320554	96.474	ug/l	99
26) 2,2-Dichloropropane	6.80	77	144245	17.182	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	103612	19.212	ug/l	99
28) Bromochloromethane	7.18	49	117363	22.481	ug/l	100
29) Tetrahydrofuran	7.20	42	218334	99.652	ug/l	99
30) Chloroform	7.36	83	182900	20.378	ug/l	100
31) Cyclohexane	7.63	56	190205	20.322	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	160482	19.298	ug/l	98
36) 1,1-Dichloropropene	7.78	75	135815	18.864	ug/l	99
37) Ethyl Acetate	6.92	43	137564	19.336	ug/l	99
38) Carbon Tetrachloride	7.76	117	133492	18.664	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	170144	19.898	ug/l	100
40) Benzene	8.03	78	407187	18.843	ug/l	99
41) Methacrylonitrile	7.16	41	59555	17.555	ug/l	97
42) 1,2-Dichloroethane	8.11	62	157713	18.955	ug/l	99
43) Isopropyl Acetate	8.16	43	246667	18.909	ug/l	99
44) Trichloroethene	8.83	130	93208	19.323	ug/l	94
45) 1,2-Dichloropropane	9.11	63	116733	19.181	ug/l	96
46) Dibromomethane	9.20	93	72462	20.090	ug/l	97
47) Bromodichloromethane	9.40	83	148559	18.503	ug/l	97
48) Methyl methacrylate	9.19	41	118810	19.153	ug/l	98
49) 1,4-Dioxane	9.20	88	30842	384.488	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	700219	96.314	ug/l	99
52) Toluene	10.15	92	238576	19.155	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	151021	17.957	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	170828	18.243	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	94351	18.733	ug/l	98
56) Ethyl methacrylate	10.43	69	150760	19.028	ug/l	99
57) 1,3-Dichloropropane	10.70	76	171004	19.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	178638	92.493	ug/l	100
59) 2-Hexanone	10.75	43	475581	95.374	ug/l	99
60) Dibromochloromethane	10.90	129	99912	18.771	ug/l	99
61) 1,2-Dibromoethane	11.00	107	94386	19.106	ug/l	98
64) Tetrachloroethene	10.63	164	85703	20.203	ug/l	98
65) Chlorobenzene	11.43	112	234179	19.106	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91407	19.445	ug/l	97
67) Ethyl Benzene	11.51	91	450592	18.993	ug/l	100
68) m/p-Xylenes	11.62	106	315106	39.055	ug/l	99
69) o-Xylene	11.95	106	156908	19.632	ug/l	99
70) Styrene	11.96	104	243069	19.206	ug/l	98
71) Bromoform	12.12	173	59441	18.706	ug/l #	98
73) Isopropylbenzene	12.25	105	414721	22.116	ug/l	99
74) N-amyl acetate	12.07	43	195197	22.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	120401	22.393	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	110163m	23.952	ug/l	
77) Bromobenzene	12.53	156	85396	22.549	ug/l	97
78) n-propylbenzene	12.59	91	445370	21.370	ug/l	100
79) 2-Chlorotoluene	12.67	91	272149	21.947	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333271	21.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37806	20.005	ug/l	100
82) 4-Chlorotoluene	12.77	91	255505	21.226	ug/l	99
83) tert-Butylbenzene	12.99	119	284152	21.964	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	315164	21.095	ug/l	98
85) sec-Butylbenzene	13.17	105	364354	21.435	ug/l	99
86) p-Isopropyltoluene	13.29	119	306942	20.434	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	122915	19.801	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	118054	19.420	ug/l	97
89) n-Butylbenzene	13.62	91	258327	20.322	ug/l	99
90) Hexachloroethane	13.88	117	67075	21.867	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	122472	20.668	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19142	20.550	ug/l	96

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Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	33121	17.702	ug/l	99
94) Hexachlorobutadiene	15.01	225	36493	22.393	ug/l	99
95) Naphthalene	15.13	128	115173	18.097	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	35110	18.272	ug/l	99

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

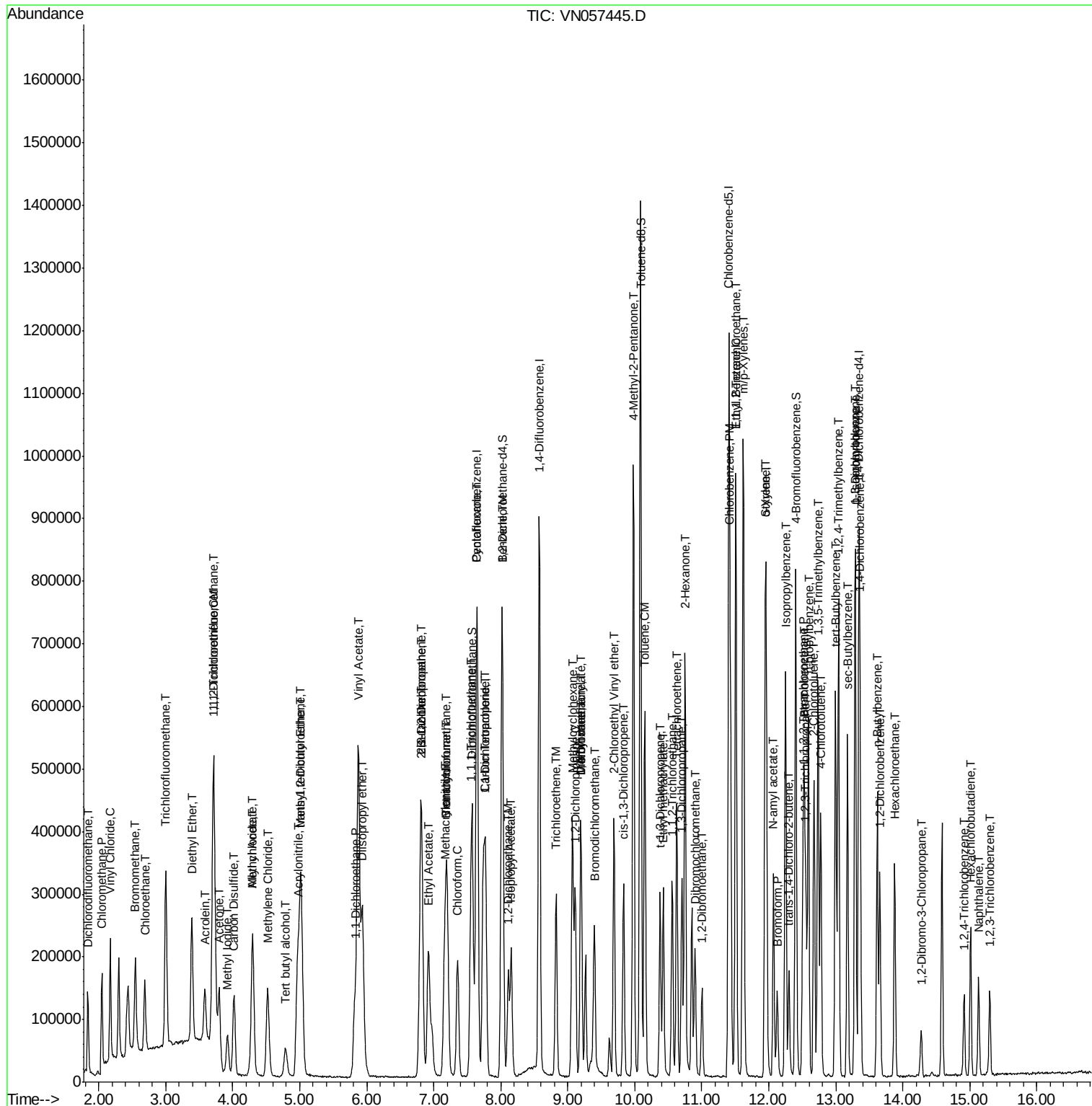
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Data File : VN057445.D
Acq On : 22 Aug 2019 20:50
Operator : JC/SP
Sample : VN0822WBS01
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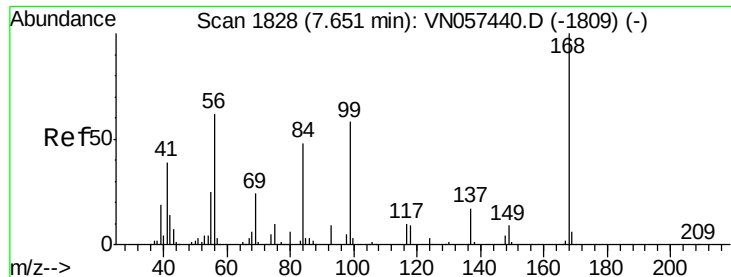
Instrument :
MSVOA_N
Client Sampled :
VN0822WBS01

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:40:24 PM

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tot Ion:168 Resp: 378770

Ion Ratio Lower Upper

168 100

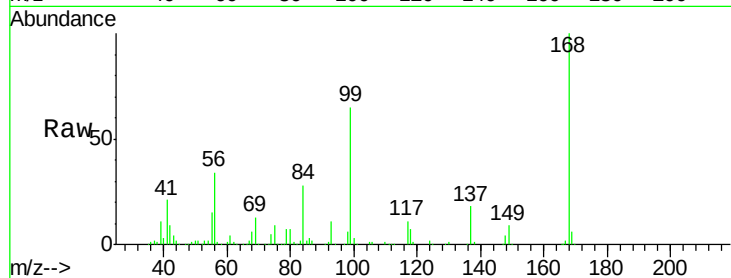
99 64.9 50.6 76.0

Manual Integrations

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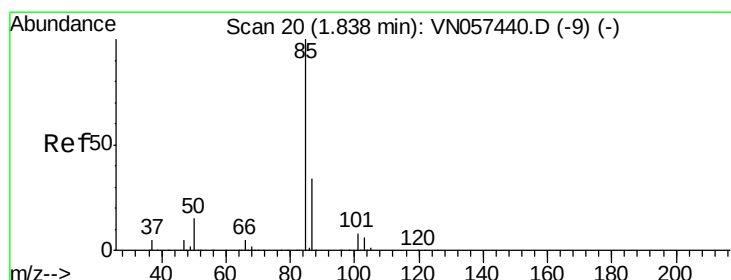
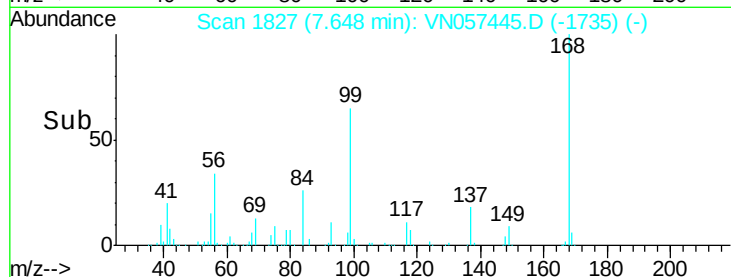
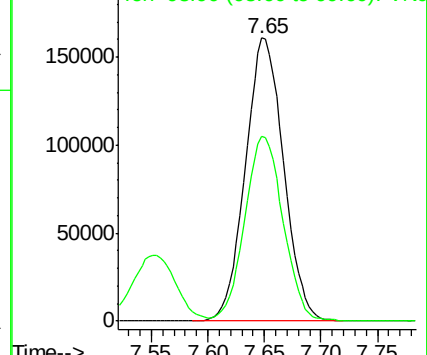
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.383 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057445.D

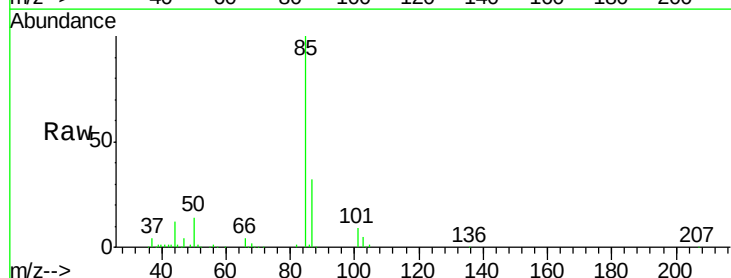
Acq: 22 Aug 2019 20:50

Tgt Ion: 85 Resp: 95578

Ion Ratio Lower Upper

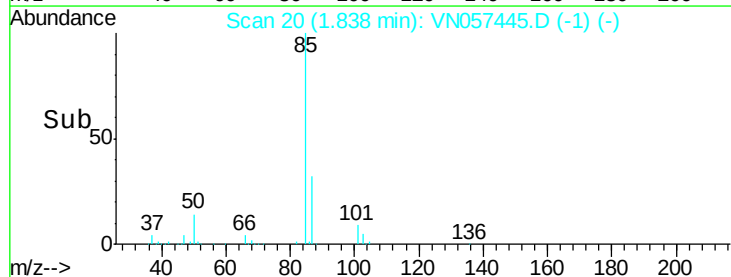
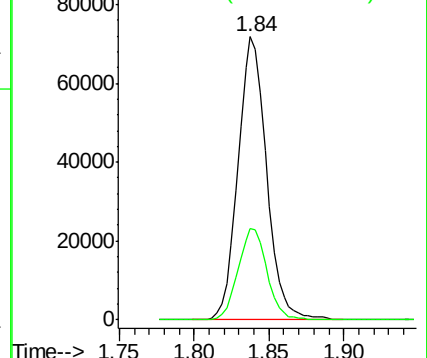
85 100

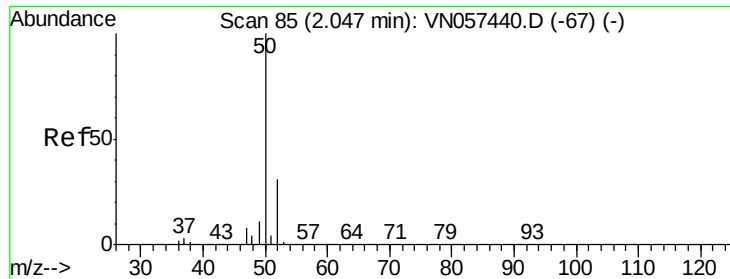
87 32.3 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.440 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tot Ion: 50 Resp: 130487

Ion Ratio Lower Upper

50 100

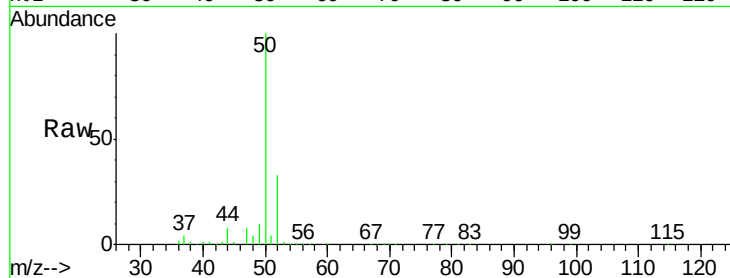
52 32.6 25.1 37.7

Manual Integrations

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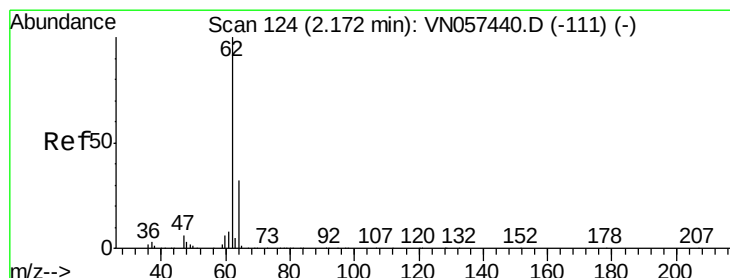
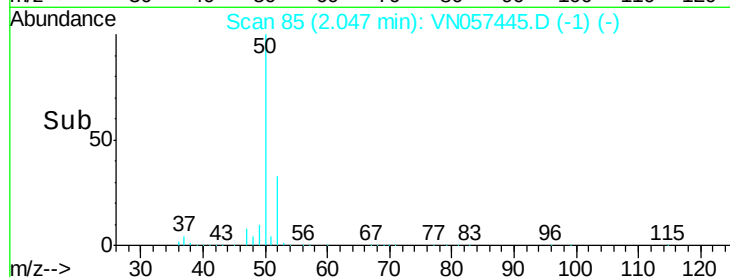
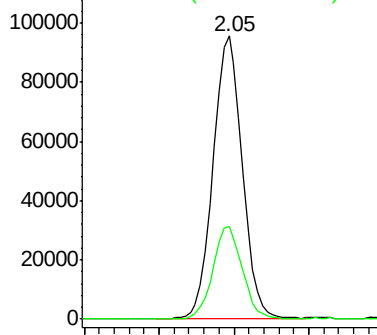
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.889 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057445.D

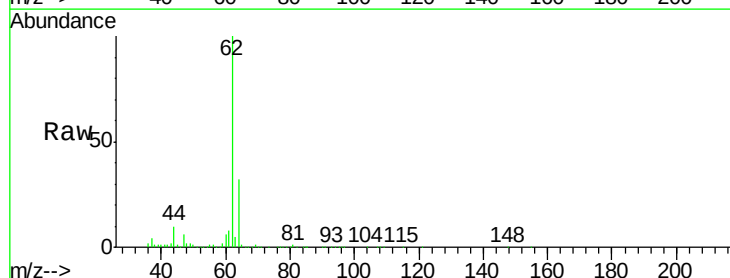
Acq: 22 Aug 2019 20:50

Tgt Ion: 62 Resp: 162312

Ion Ratio Lower Upper

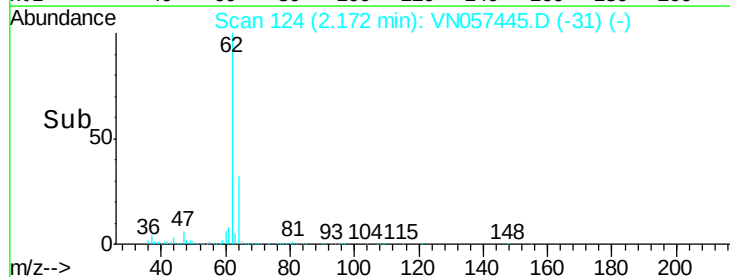
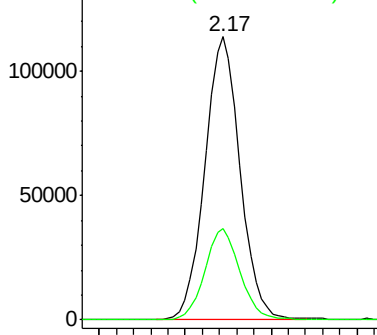
62 100

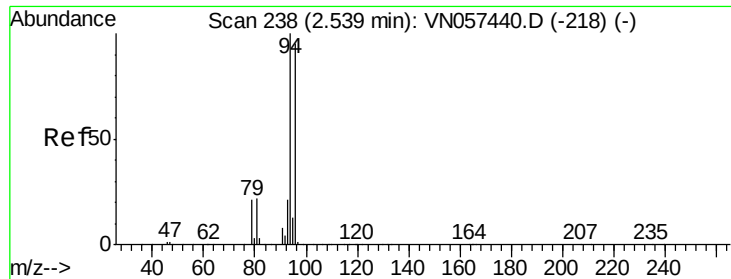
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.963 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 105172

Ion Ratio Lower Upper

94 100

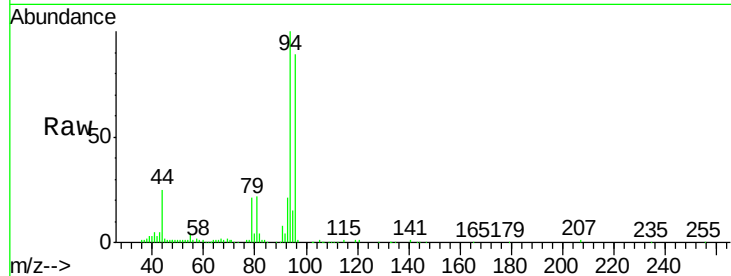
96 88.2 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

60000

50000

40000

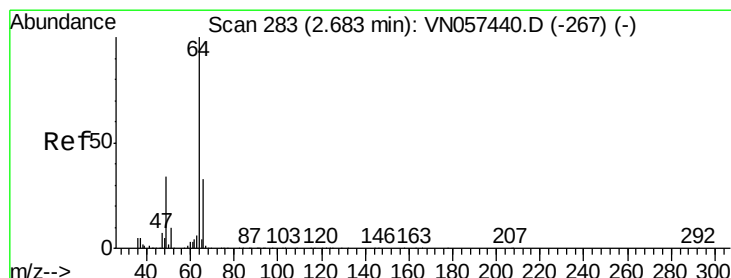
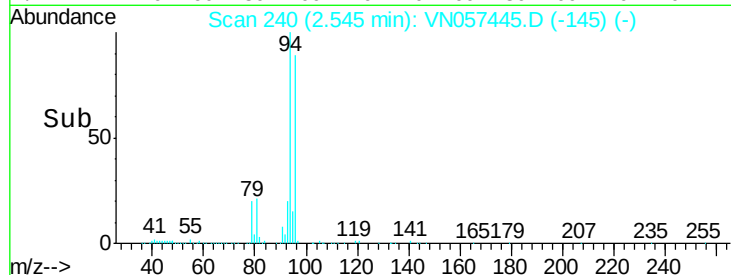
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 20.008 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057445.D

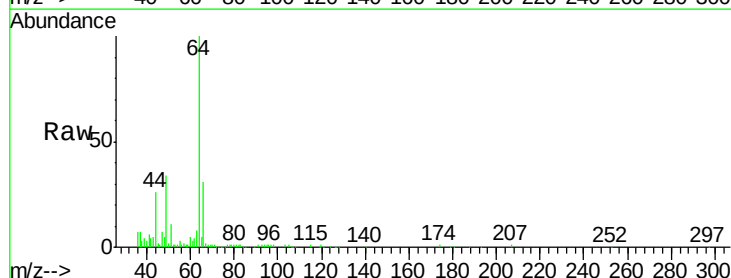
Acq: 22 Aug 2019 20:50

Tgt Ion: 64 Resp: 100005

Ion Ratio Lower Upper

64 100

66 30.4 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

60000

50000

40000

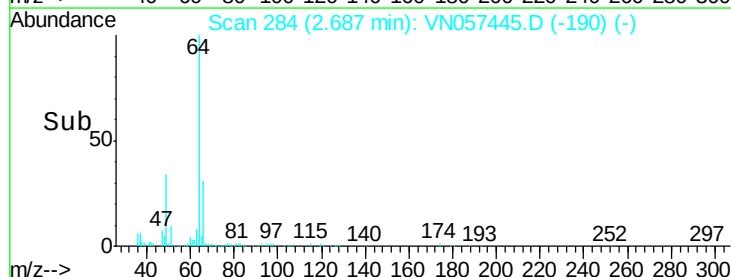
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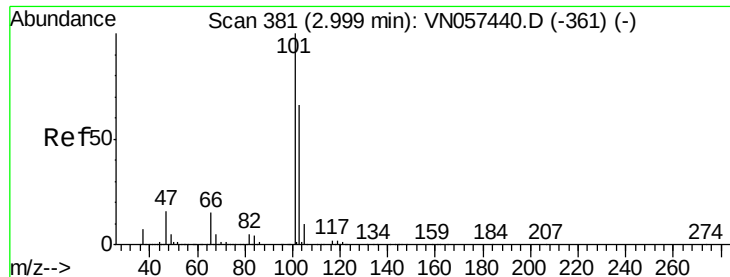
20000

10000

0

Time-->





#7

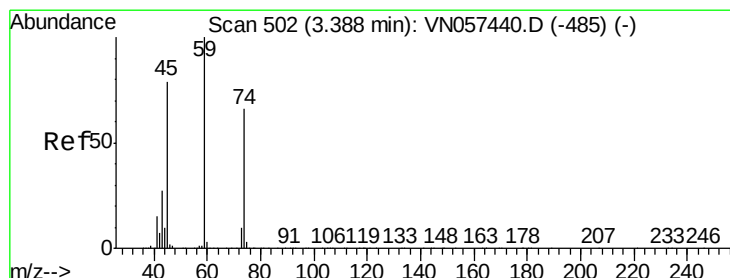
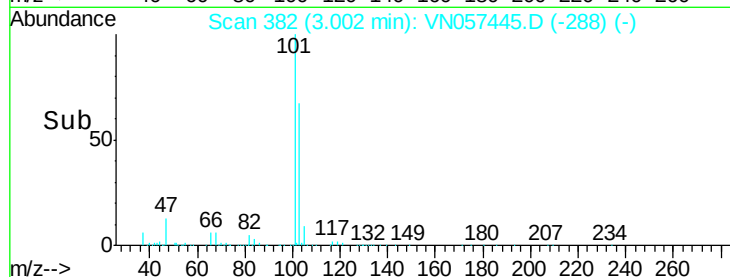
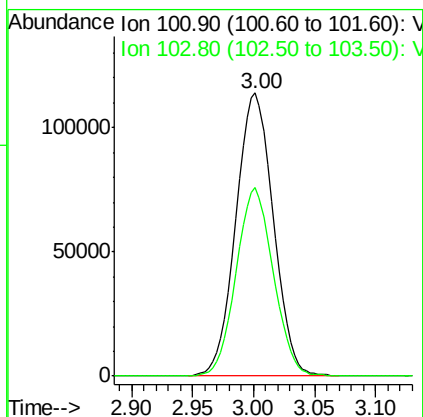
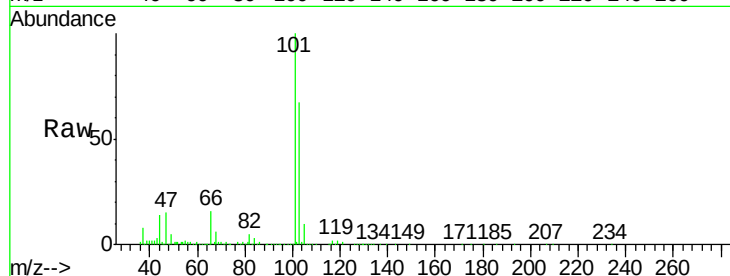
Trichlorofluoromethane
Concen: 20.118 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampled :
VN0822WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.6	78.8

Manual Integrations
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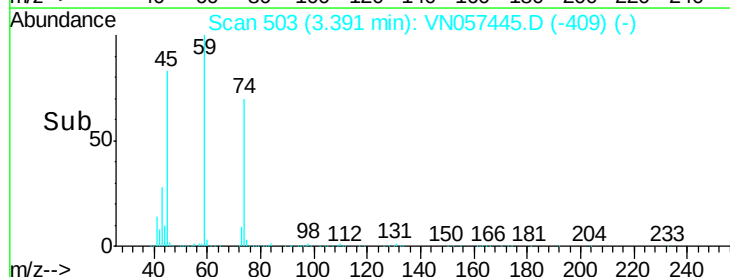
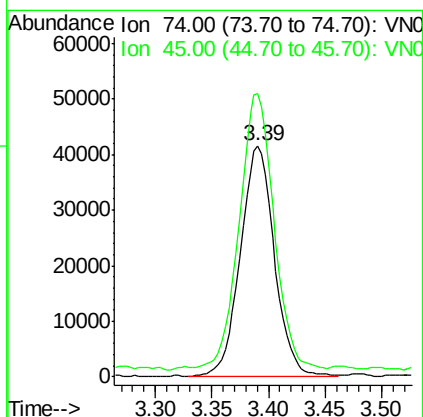
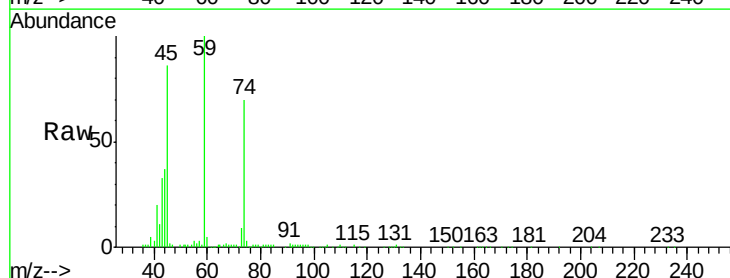
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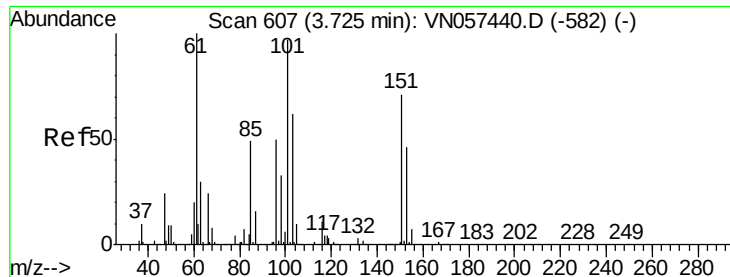


#8

Diethyl Ether
Concen: 20.689 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.5	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.312 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

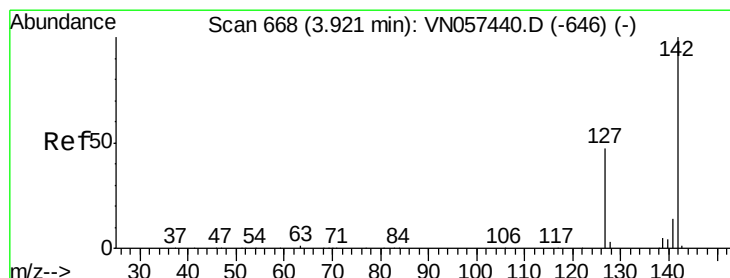
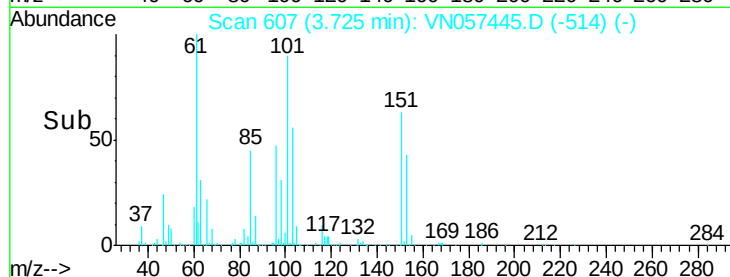
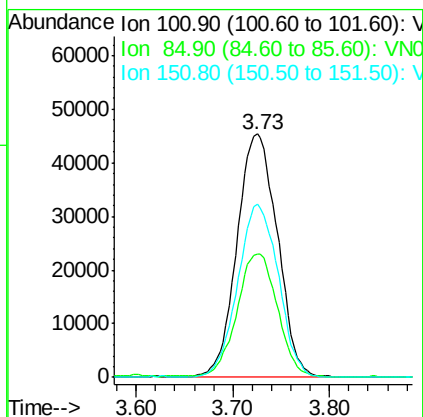
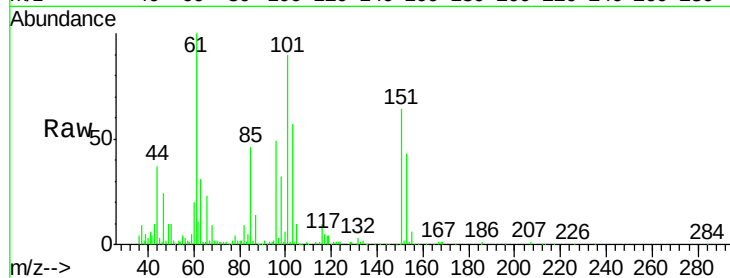
ClientSampleId :

VN0822WBS01

Tot Ion:	101	Resp:	131678
Ion Ratio	Lower	Upper	
101	100		
85	51.2	40.0	60.0
151	71.4	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.790 ug/l

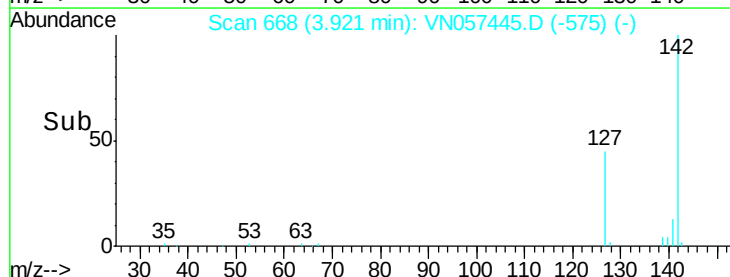
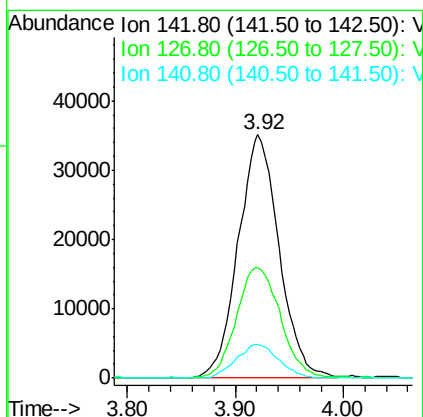
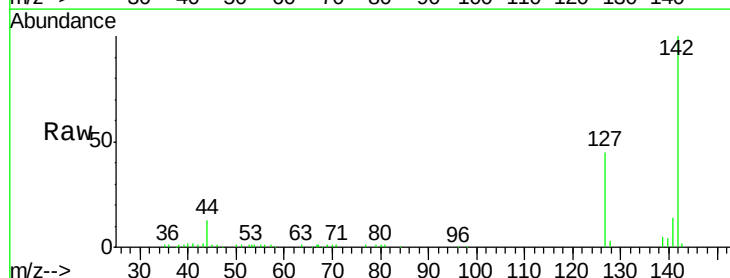
RT: 3.92 min Scan# 668

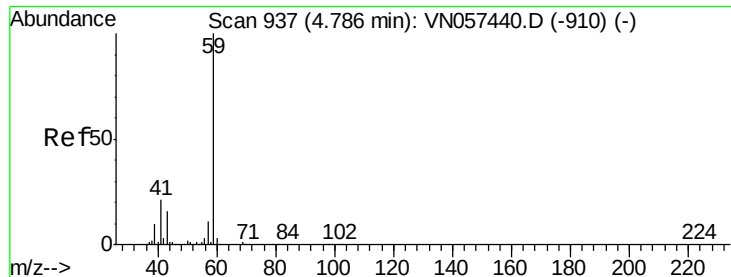
Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion:	142	Resp:	92541
Ion Ratio	Lower	Upper	
142	100		
127	48.9	37.8	56.8
141	14.3	11.9	17.9





#11

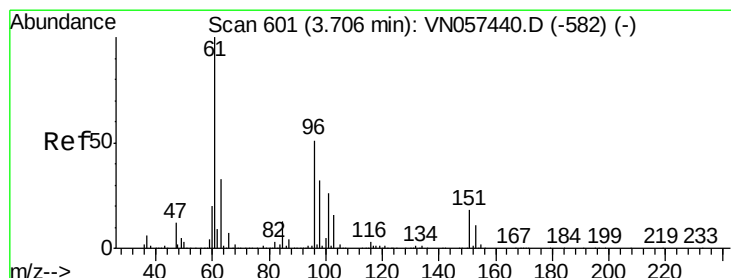
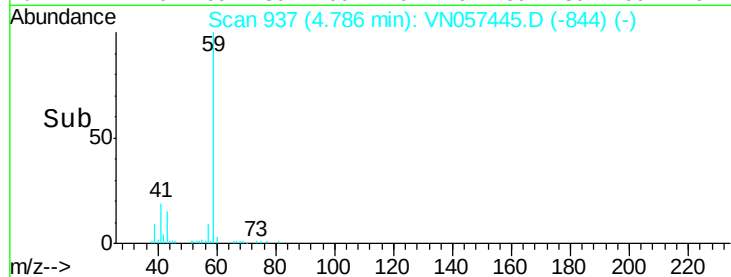
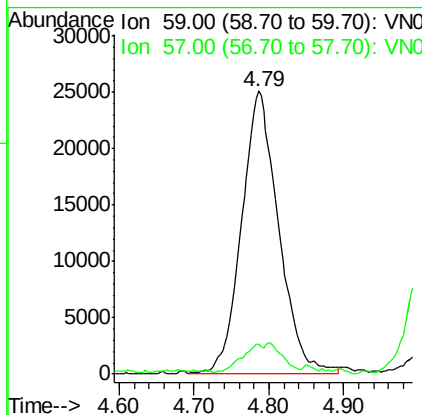
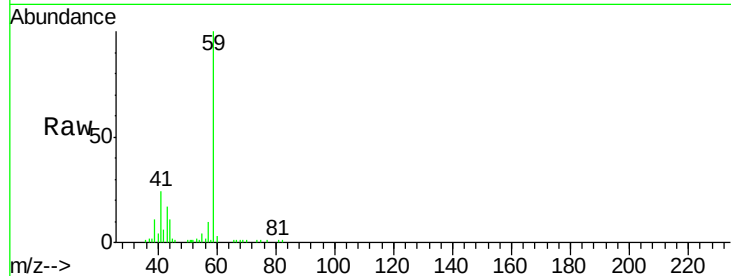
Tert butyl alcohol
Concen: 104.468 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	9.1	13.7#

Manual Integrations
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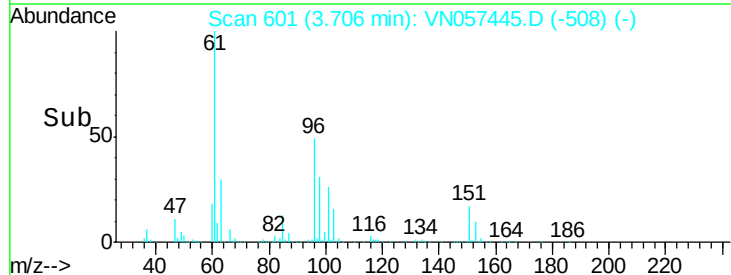
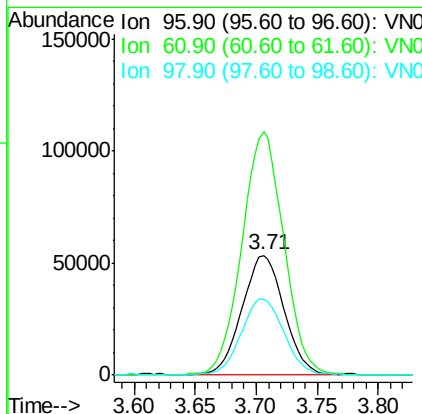
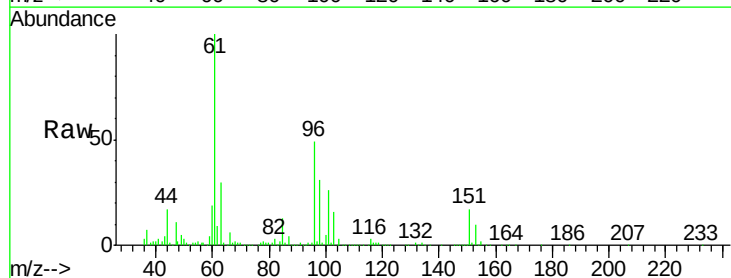
MMDadoda
8/23/2019 2:40:24 PM

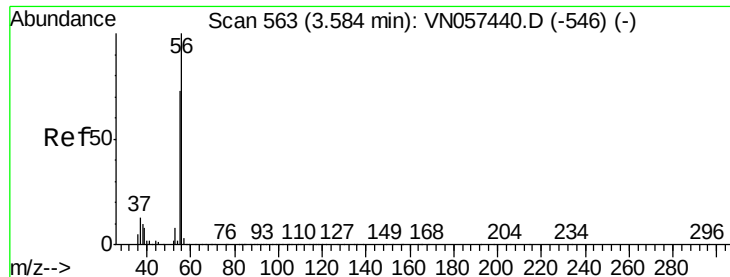


#12

1,1-Dichloroethene
Concen: 19.455 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	203.8	155.3	232.9
98	62.8	50.2	75.2





#13

Acrolein

Concen: 112.112 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tot Ion: 56 Resp: 81612

Ion Ratio Lower Upper

56 100

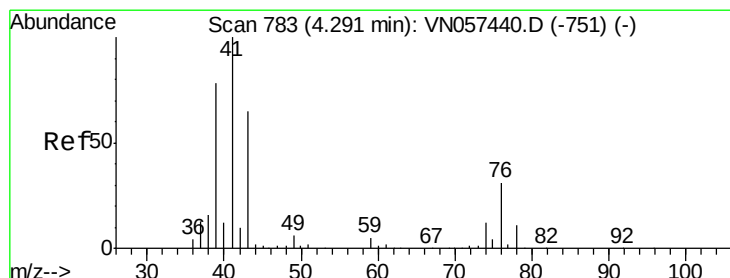
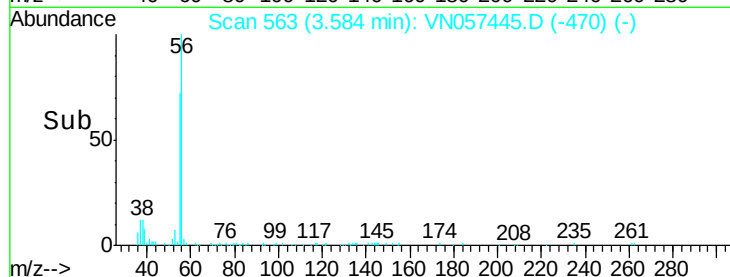
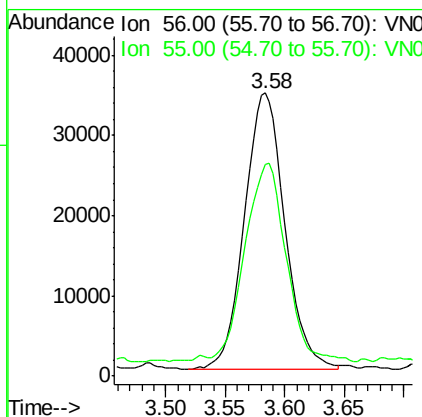
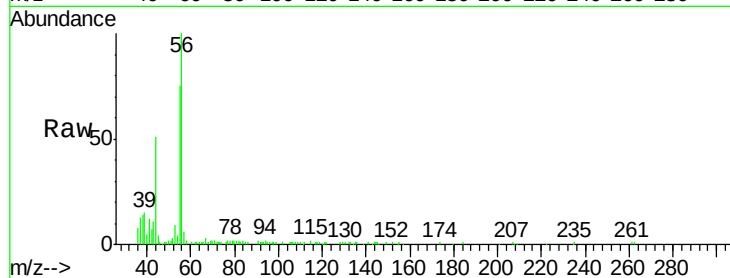
55 72.7 59.0 88.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.217 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

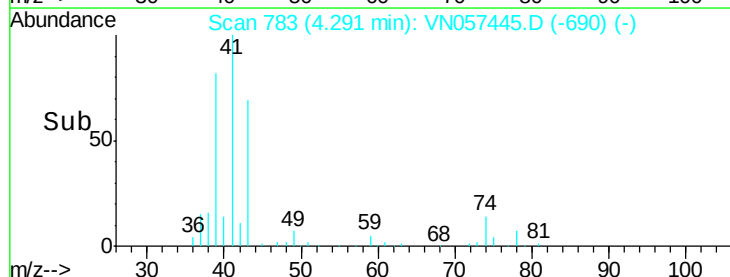
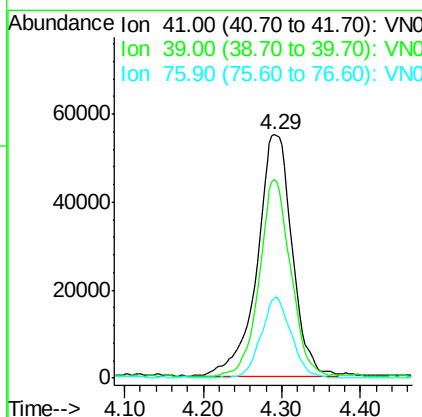
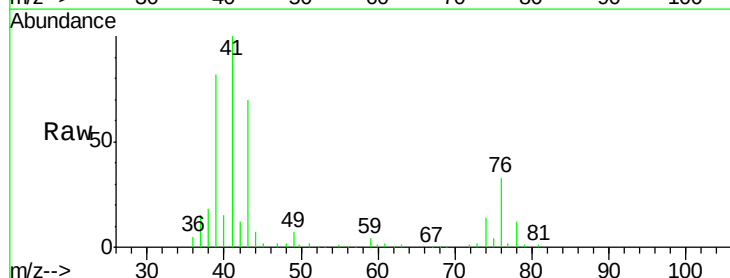
Tgt Ion: 41 Resp: 172449

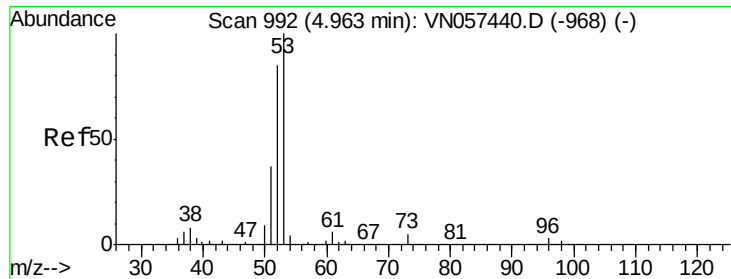
Ion Ratio Lower Upper

41 100

39 72.6 57.4 86.2

76 29.0 22.9 34.3





#15

Acrylonitrile

Concen: 103.349 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

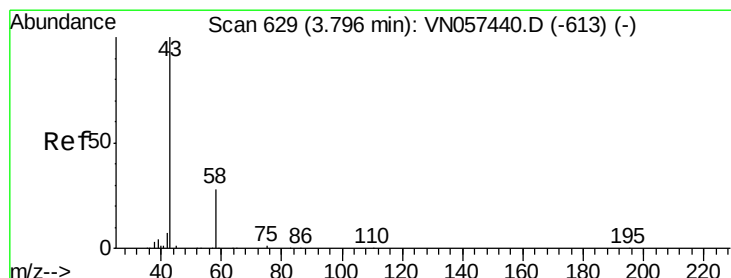
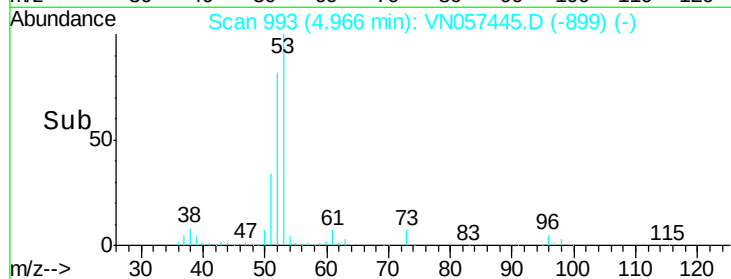
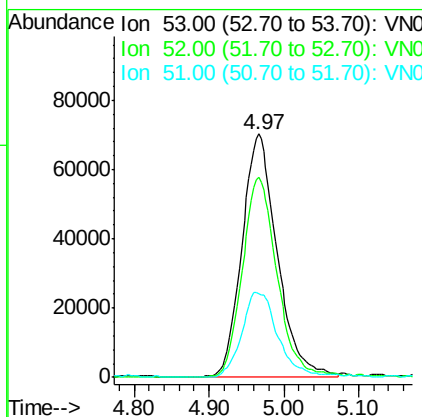
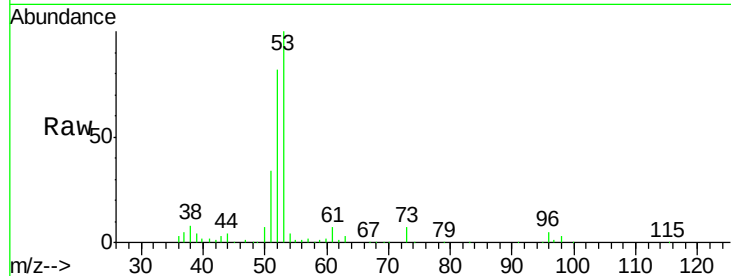
ClientSampleId :

VN0822WBS01

Tot Ion:	53	Resp:	230734
Ion	Ratio	Lower	Upper
53	100		
52	80.9	67.0	100.6
51	35.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 69.136 ug/l

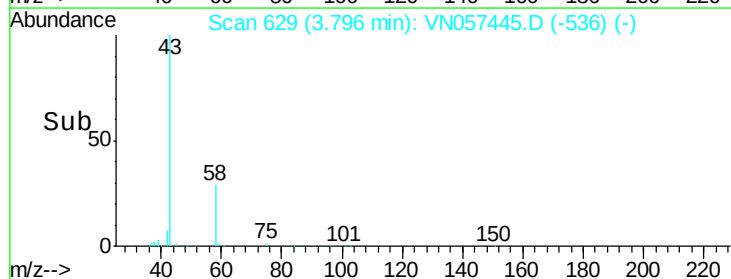
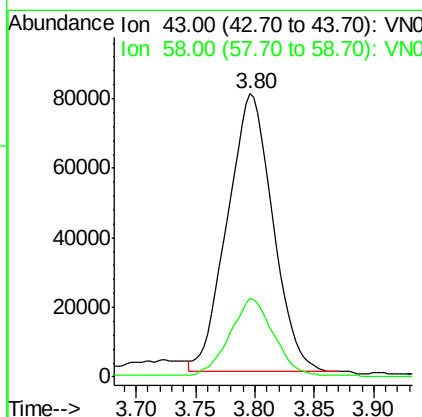
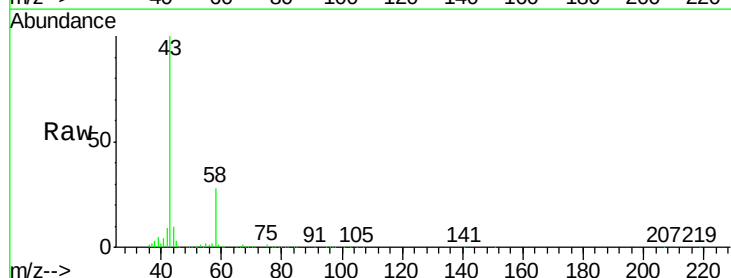
RT: 3.80 min Scan# 629

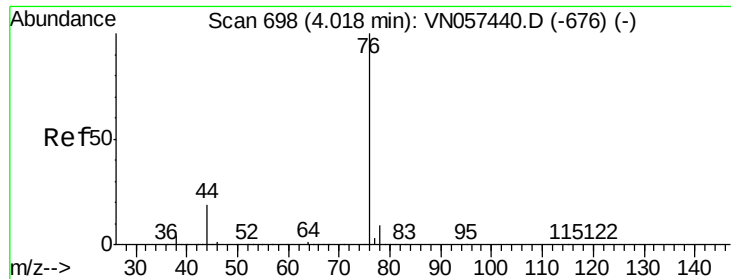
Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion:	43	Resp:	211551
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.1	33.1





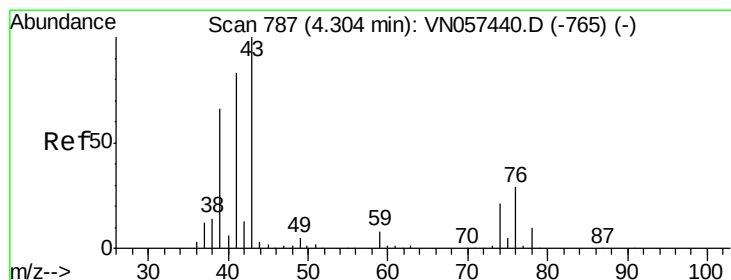
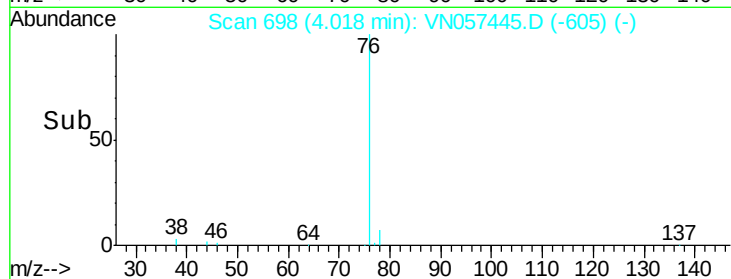
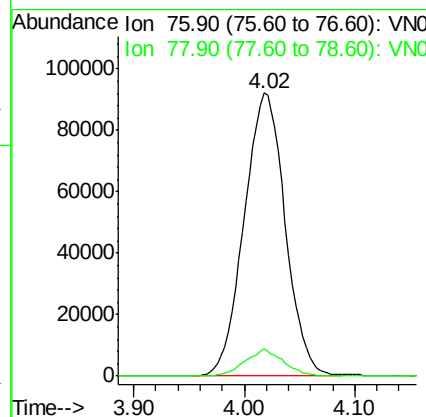
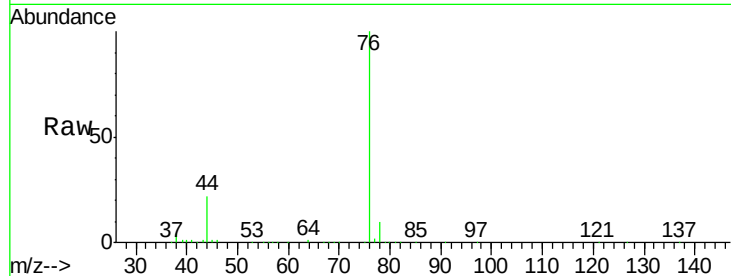
#17
 Carbon Disulfide
 Concen: 19.343 ug/l
 RT: 4.02 min Scan# 698
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

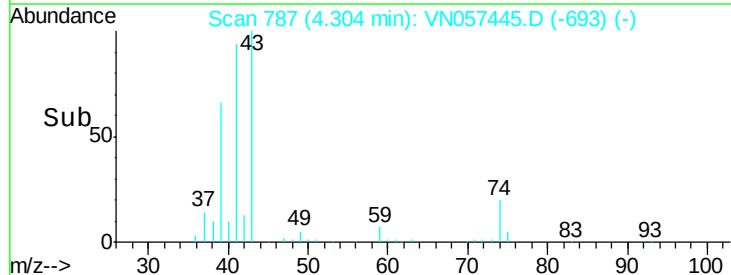
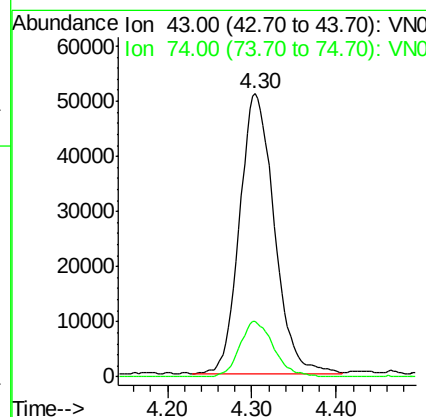
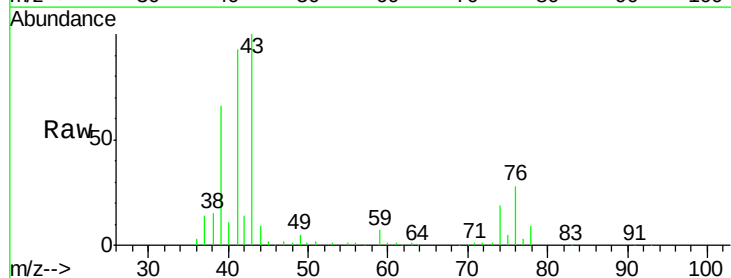
Manual Integrations
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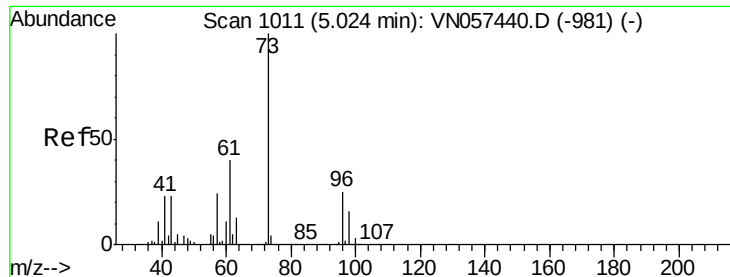
MMDadoda
 8/23/2019 2:40:24 PM



#18
 Methyl Acetate
 Concen: 21.432 ug/l
 RT: 4.30 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.9	23.9





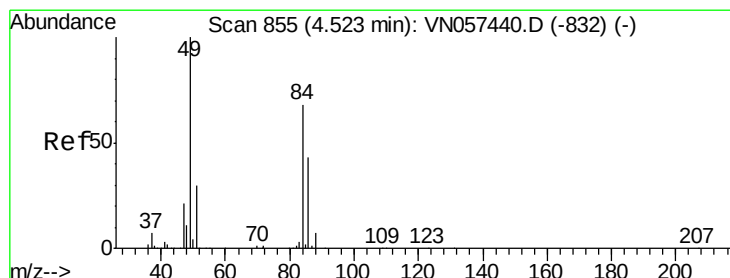
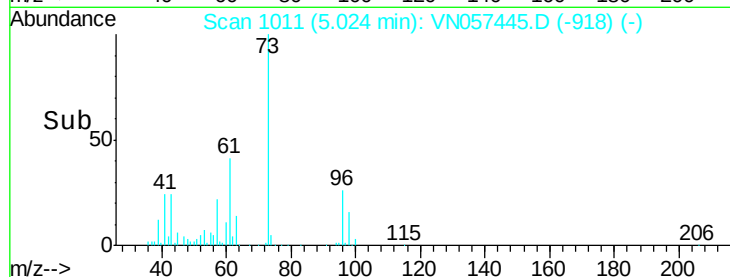
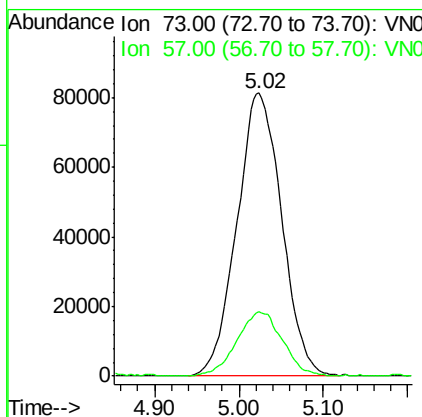
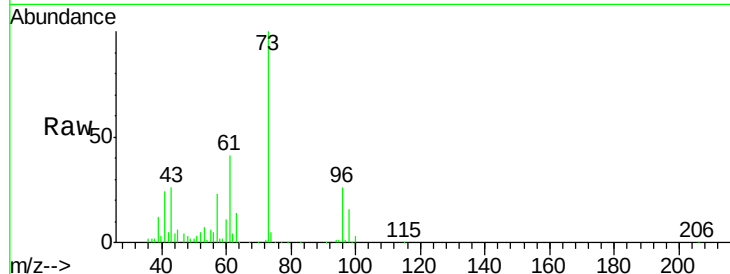
#19
Methvl tert-butvl Ether
Concen: 19.166 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion: 73 Resp: 298288
Ion Ratio Lower Upper
73 100
57 22.4 19.1 28.7

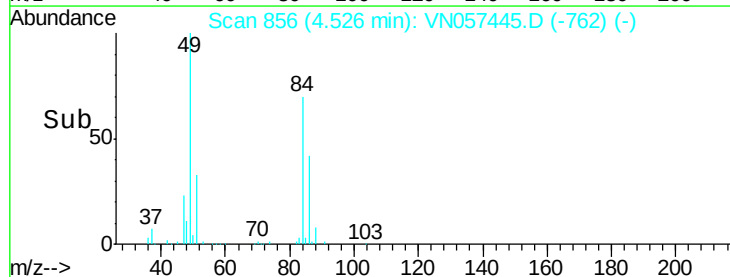
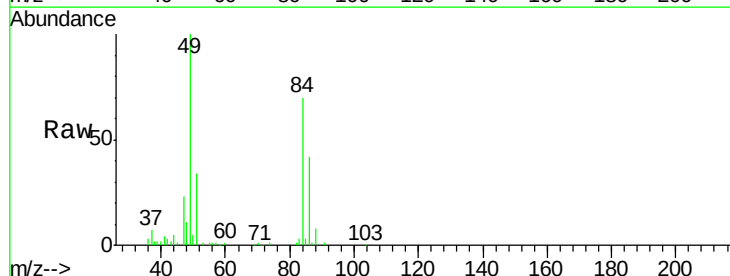
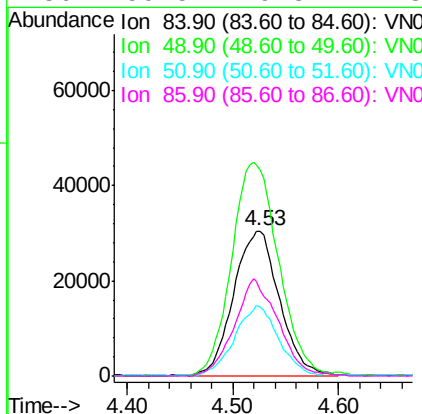
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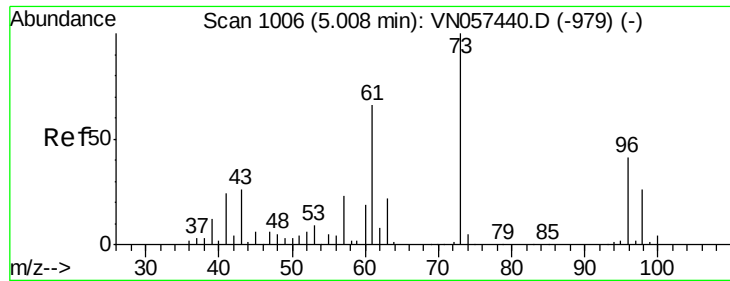
MMDadoda
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#20
Methylene Chloride
Concen: 20.241 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 84 Resp: 92032
Ion Ratio Lower Upper
84 100
49 141.2 117.0 175.4
51 47.2 35.5 53.3
86 59.5 49.8 74.8





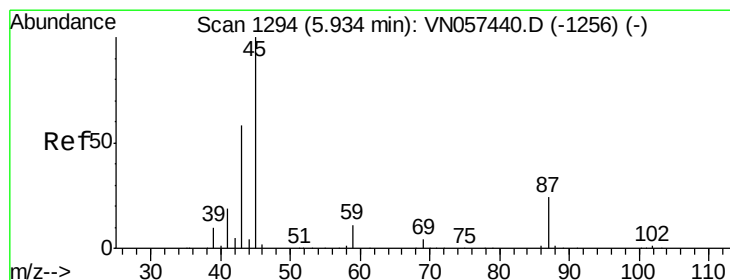
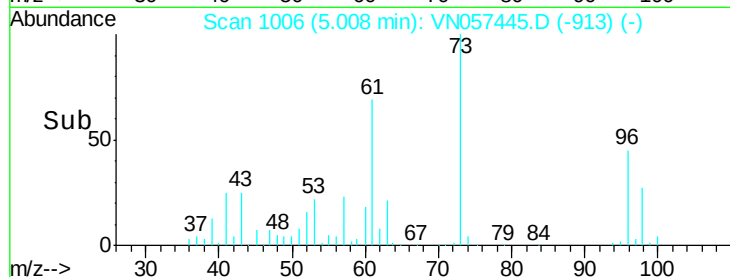
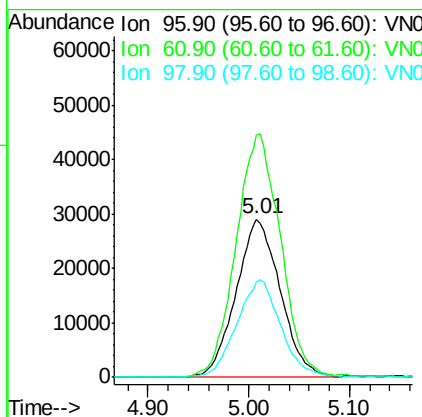
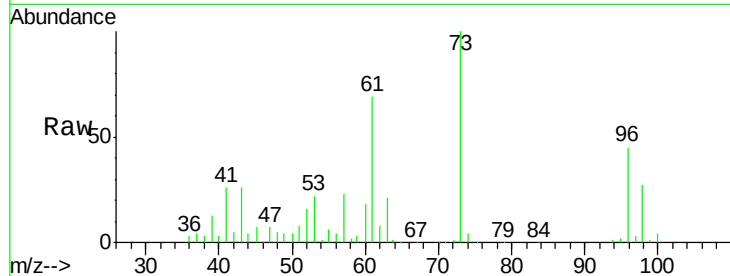
#21
trans-1,2-Dichloroethene
Concen: 19.404 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	152.5	127.9	191.9	
98	59.2	50.6	76.0	

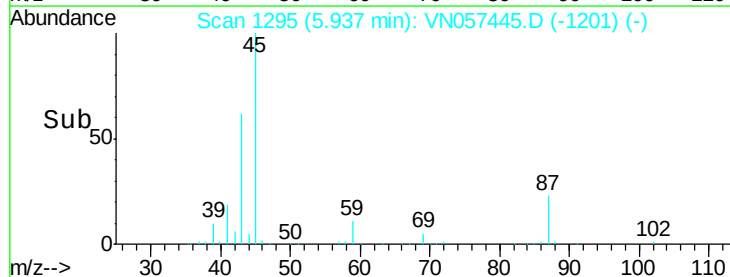
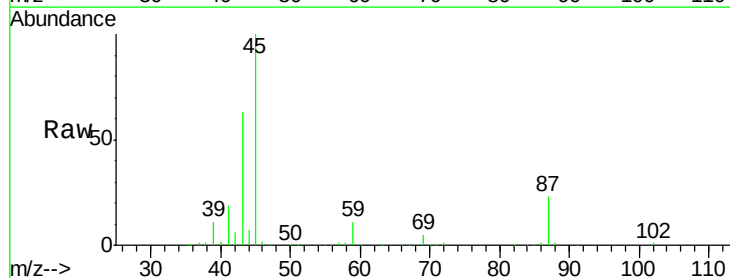
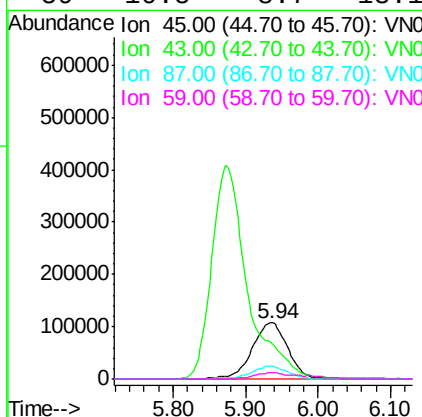
Manual Integrations
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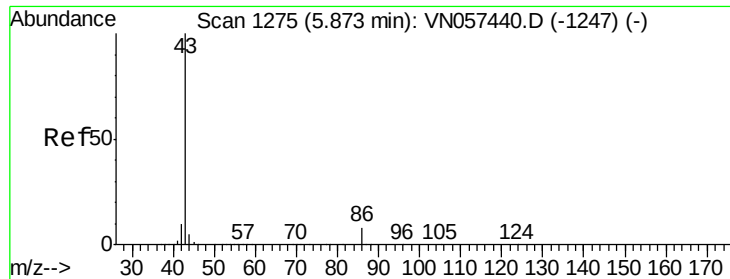
MMDadoda
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#22
Diisopropyl ether
Concen: 19.858 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	60.5	46.9	70.3	
87	22.7	19.3	28.9	
59	10.5	8.7	13.1	





#23

Vinyl Acetate

Concen: 97.231 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tot Ion: 43 Resp: 1389176

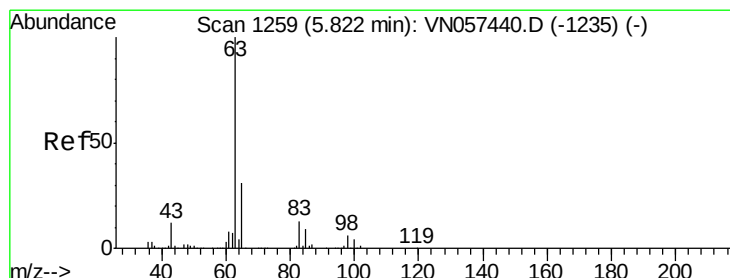
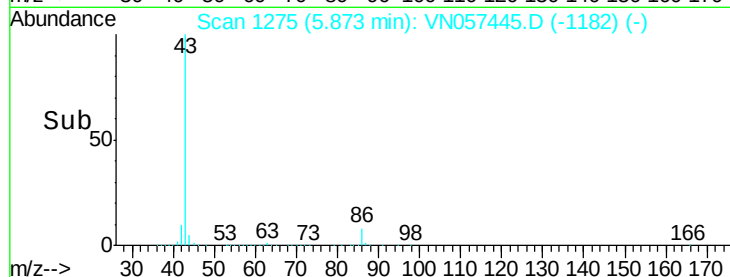
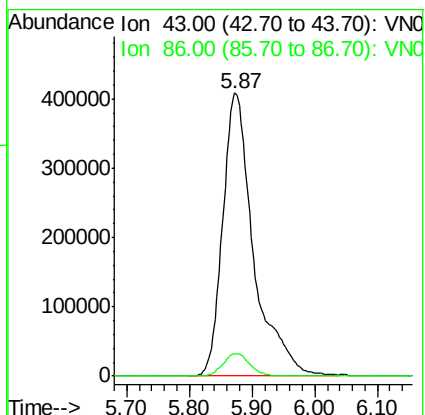
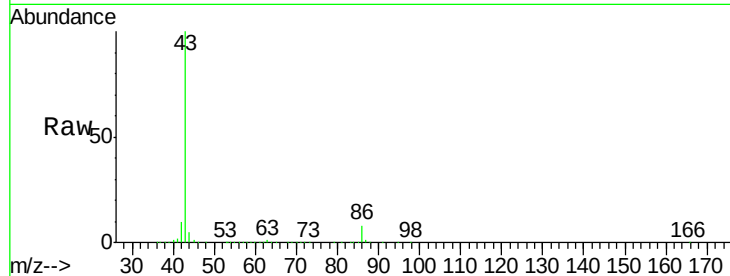
Ion Ratio Lower Upper

43 100

86 8.1 6.7 10.1

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 19.566 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

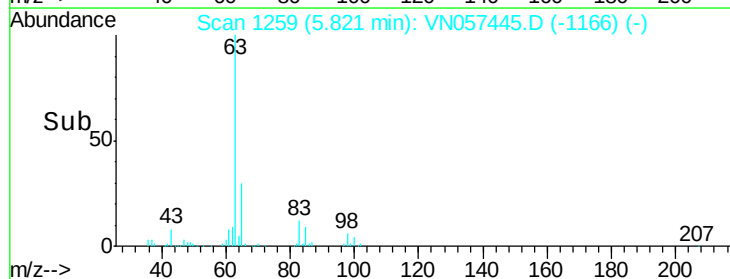
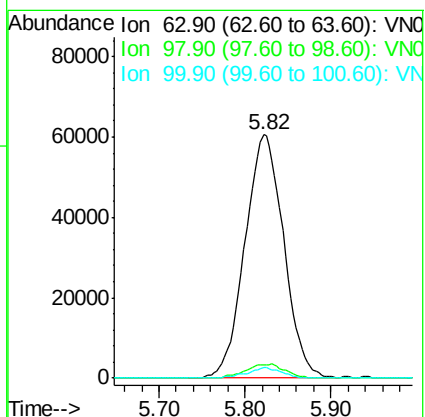
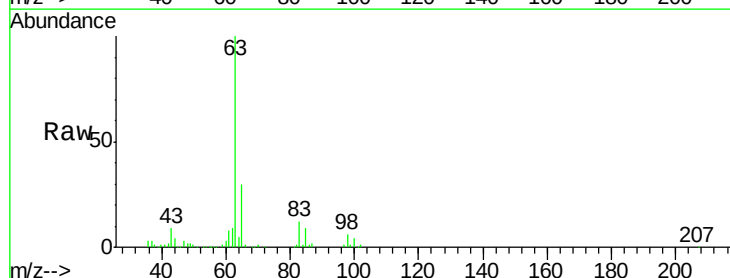
Tgt Ion: 63 Resp: 189682

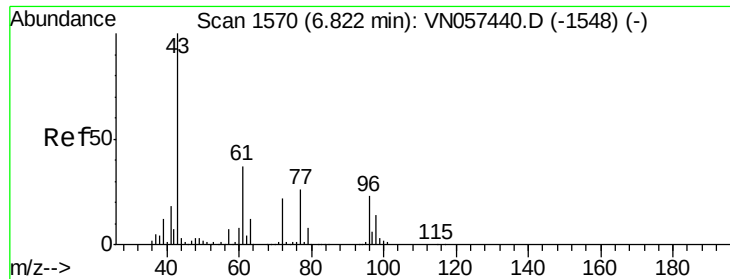
Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 96.474 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tot Ion: 43 Resp: 320554

Ion Ratio Lower Upper

43 100

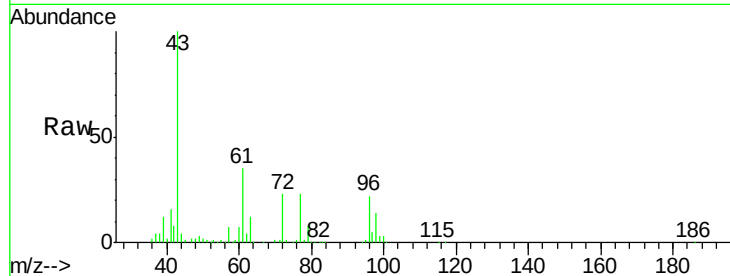
72 23.0 17.8 26.8

Manual Integrations

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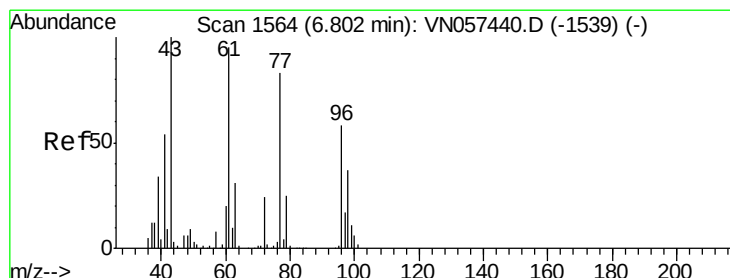
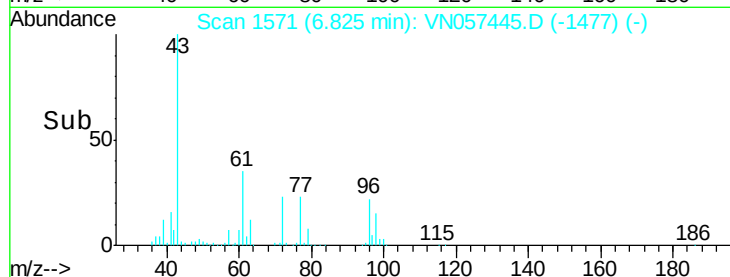
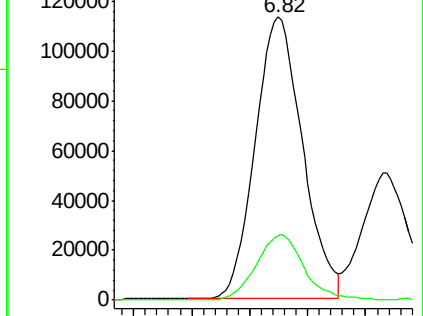
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.182 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057445.D

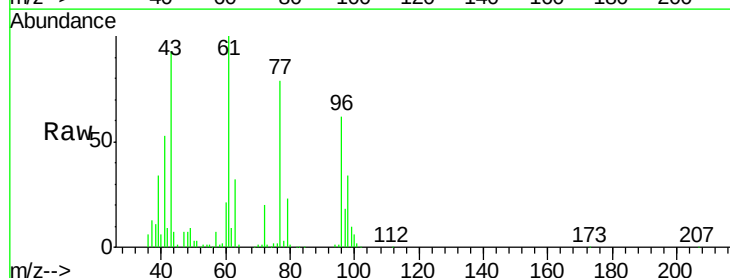
Acq: 22 Aug 2019 20:50

Tgt Ion: 77 Resp: 144245

Ion Ratio Lower Upper

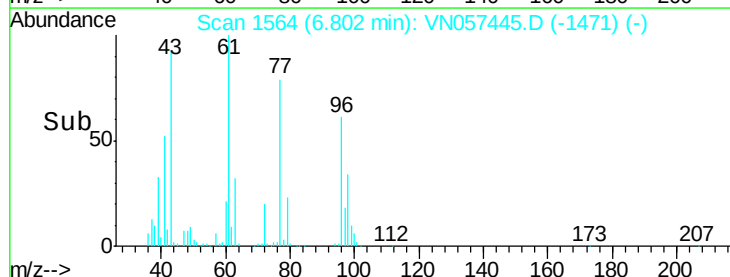
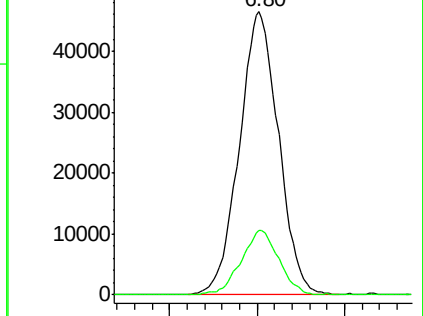
77 100

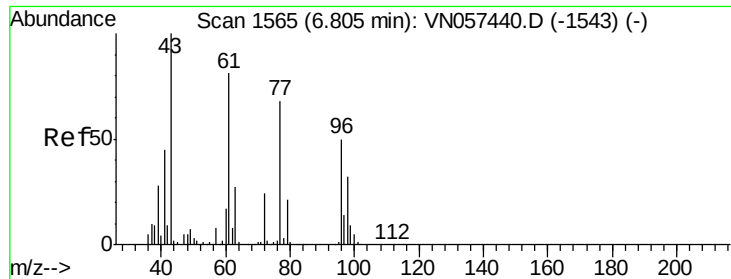
97 21.9 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.212 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

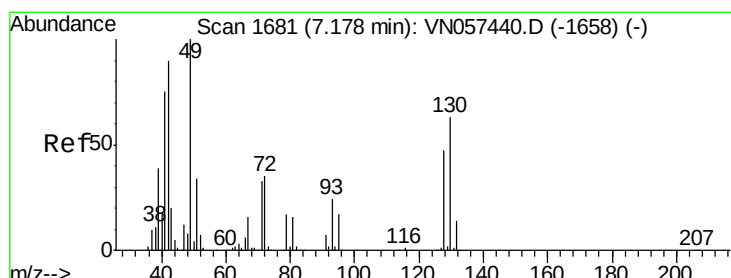
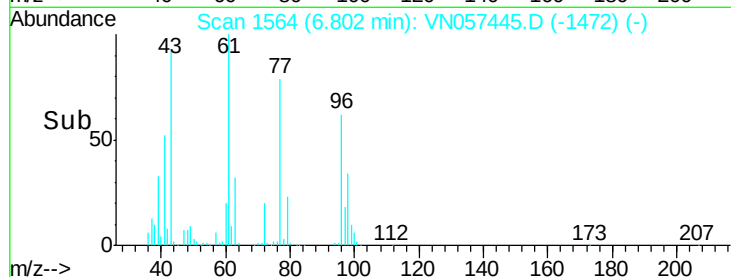
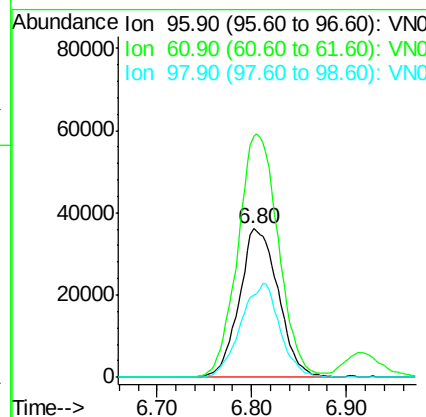
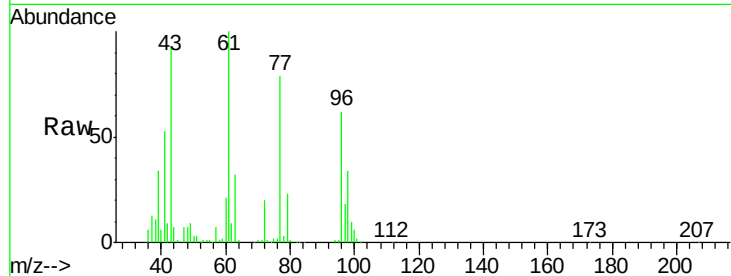
ClientSampleId :

VN0822WBS01

Tot Ion:	96	Resp:	103612
Ion Ratio	Lower	Upper	
96	100		
61	169.7	0.0	334.8
98	63.4	0.0	127.4

Manual Integrations
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8/23/2019 2:40:24 PM



#28

Bromochloromethane

Concen: 22.481 ug/l

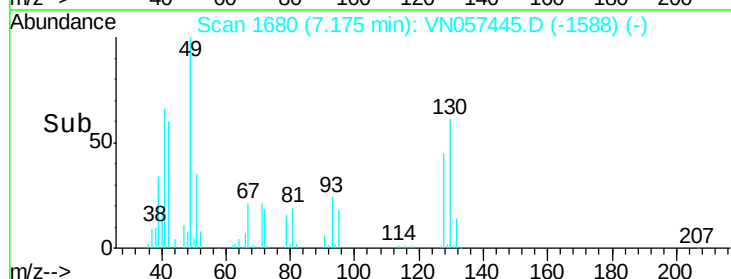
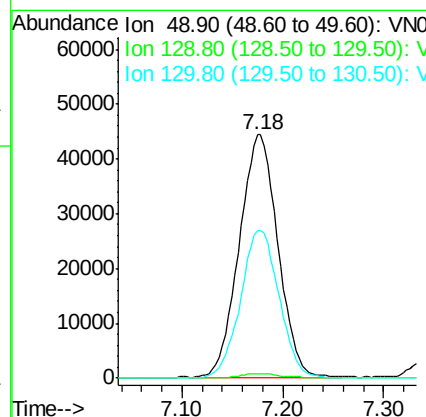
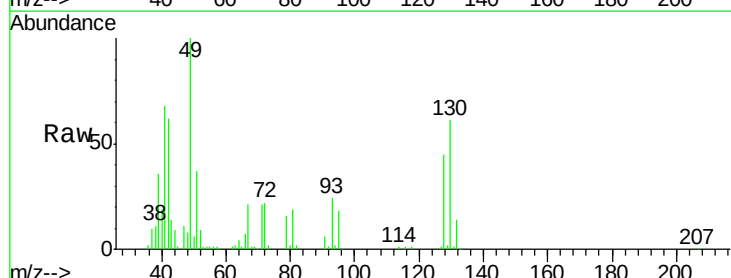
RT: 7.18 min Scan# 1680

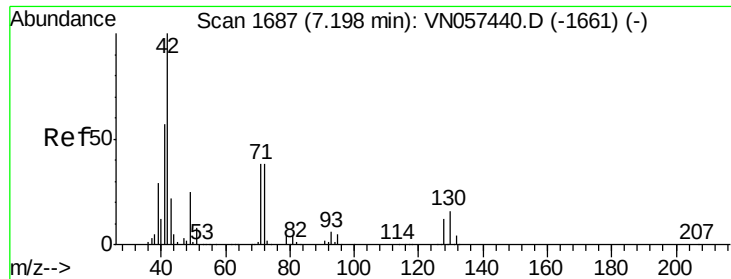
Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion:	49	Resp:	117363
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.6
130	60.9	48.6	72.8





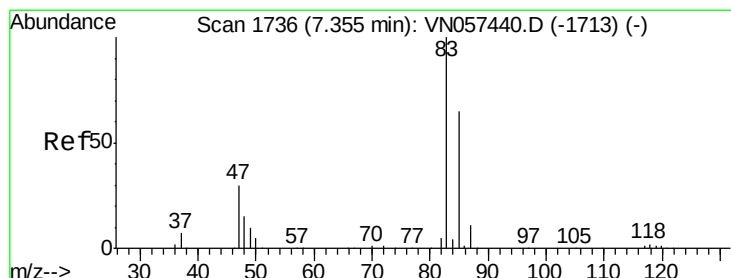
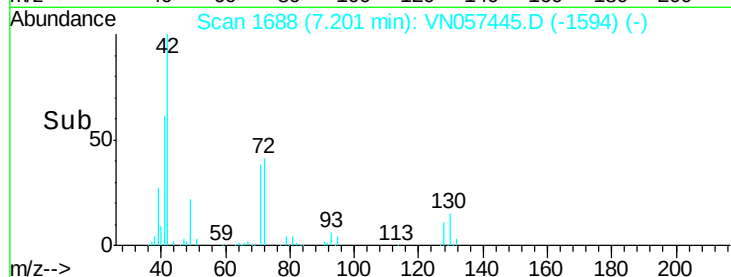
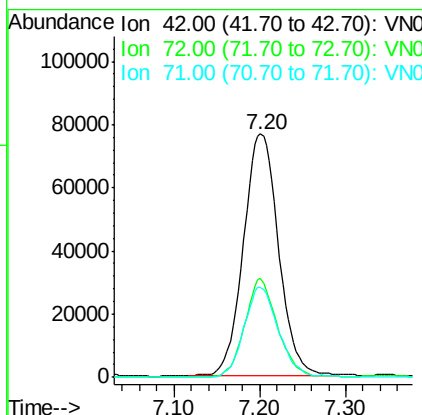
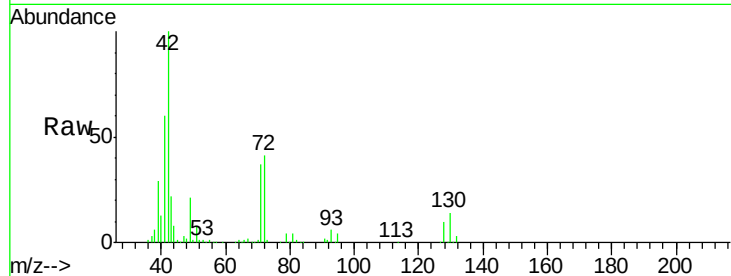
#29
Tetrahydrofuran
Concen: 99.652 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.1	45.1
71	36.0	28.8	43.2

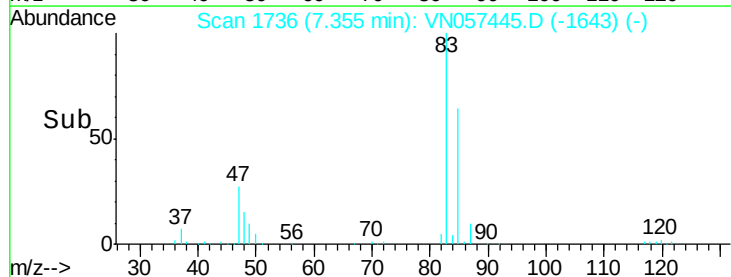
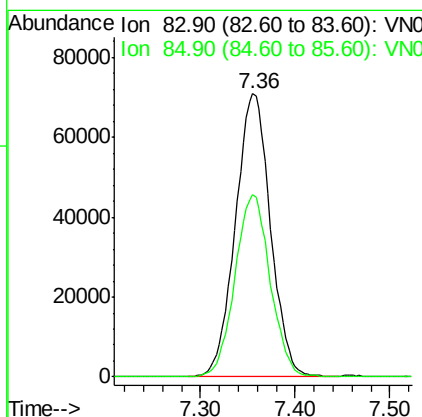
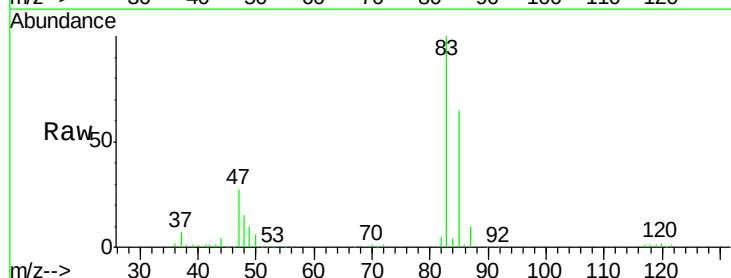
Manual Integrations
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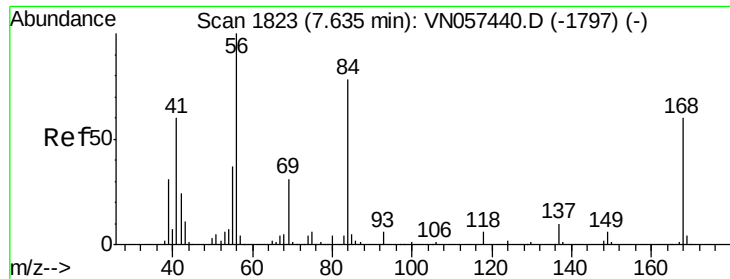
MMDadoda
8/23/2019 2:40:24 PM



#30
Chloroform
Concen: 20.378 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.9	77.9





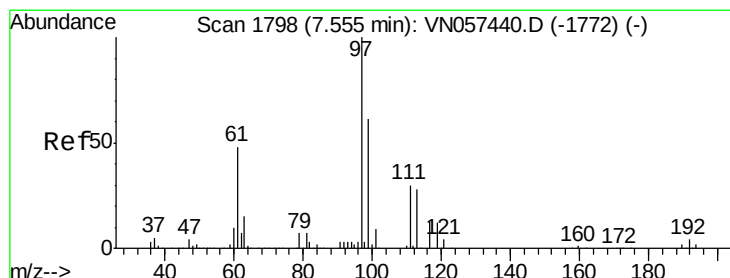
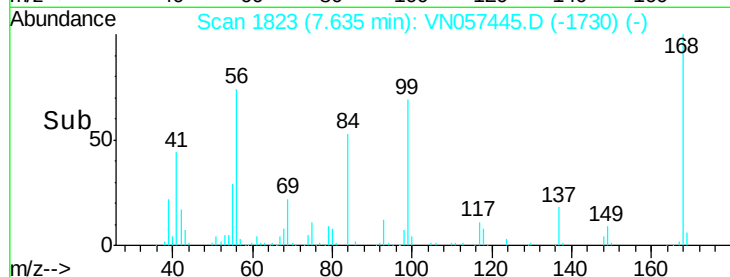
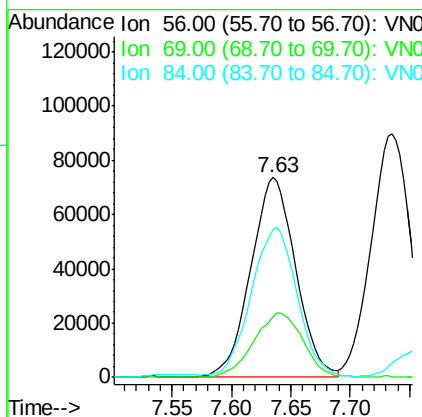
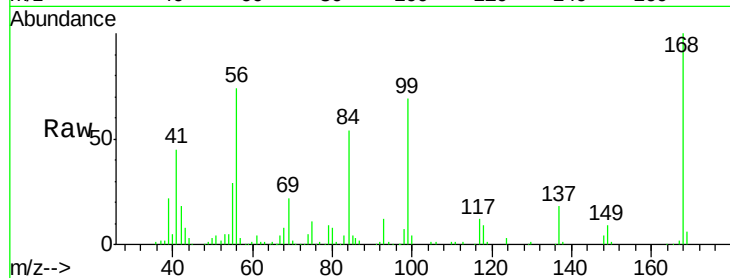
#31
Cyclohexane
Concen: 20.322 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.0	37.6
84	72.9	62.5	93.7

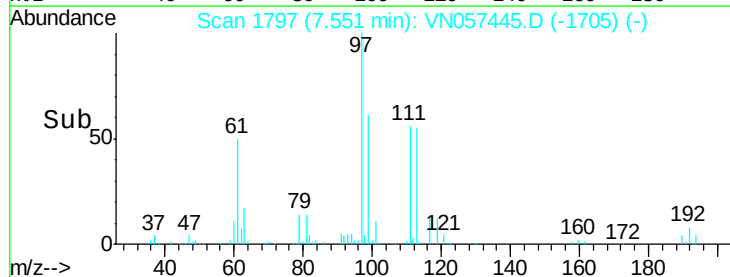
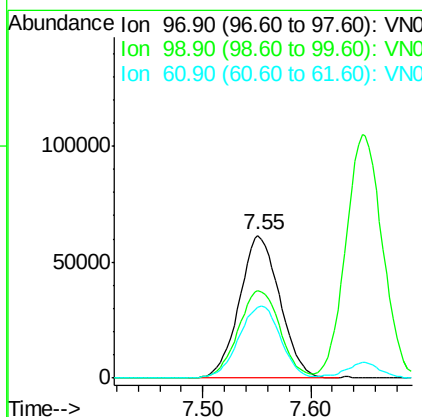
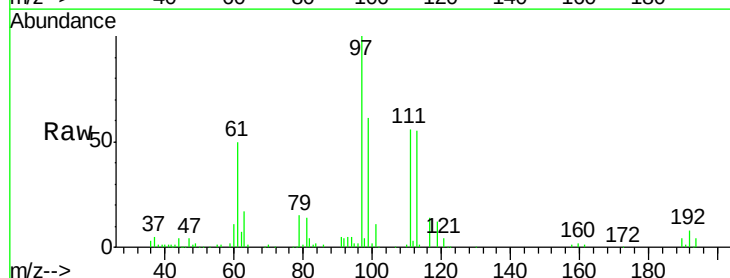
Manual Integrations
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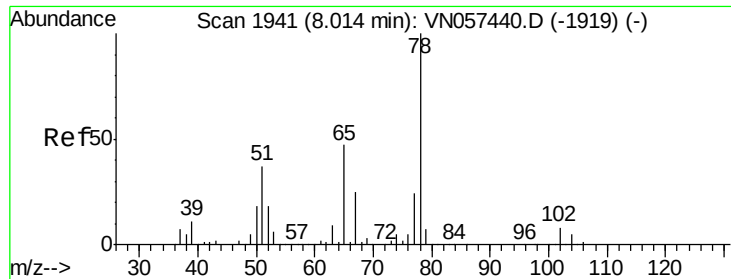
MMDadoda
8/23/2019 2:40:24 PM



#32
1,1,1-Trichloroethane
Concen: 19.298 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	52.0	39.8	59.6





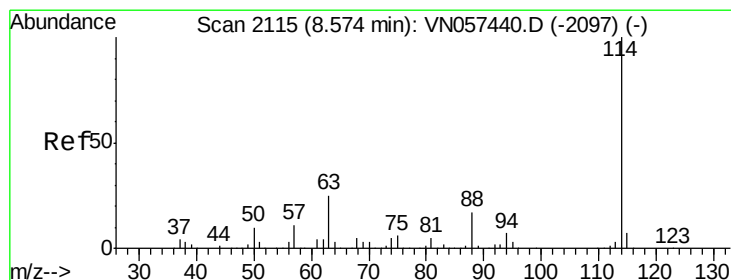
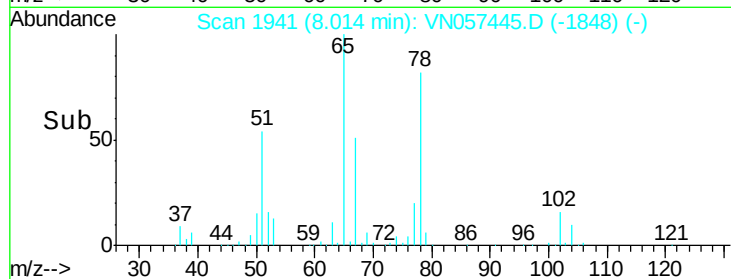
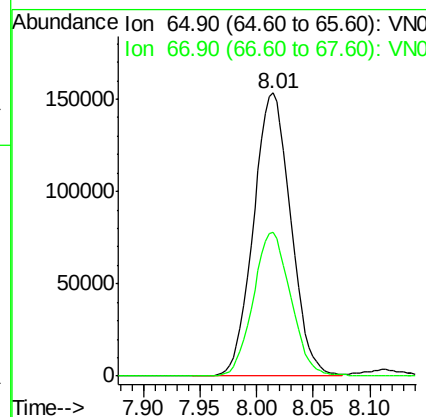
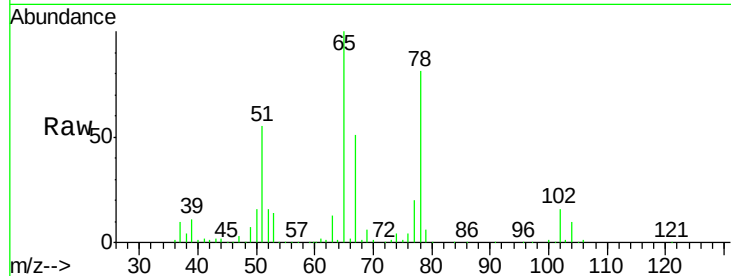
#33
 1,2-Dichloroethane-d4
 Concen: 52.786 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.5	0.0	103.8	

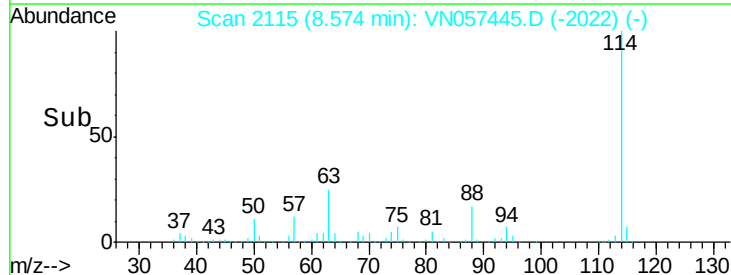
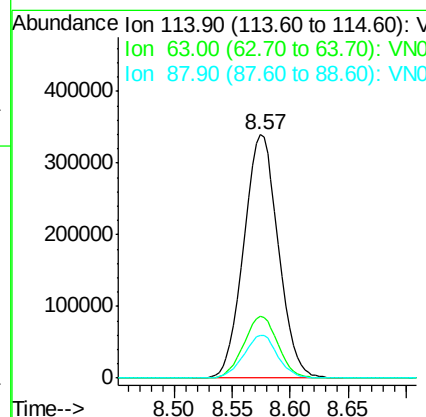
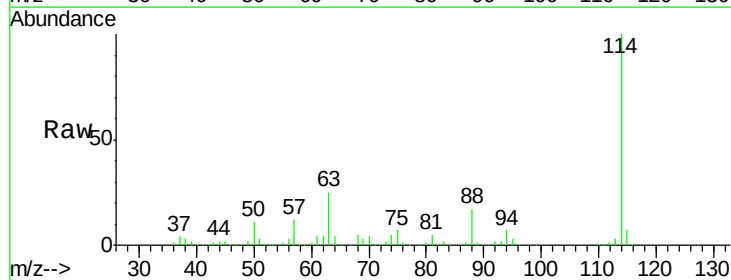
Manual Integrations
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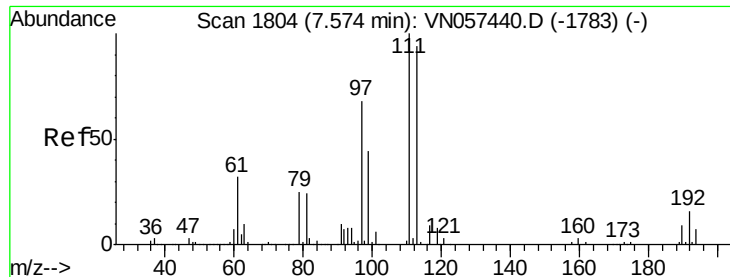
MMDadoda
 8/23/2019 2:40:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	25.4	0.0	50.2	
88	17.5	0.0	34.6	





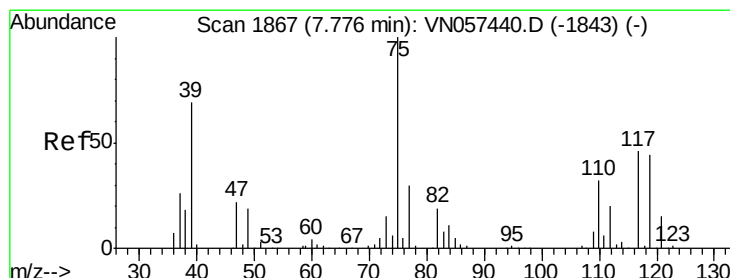
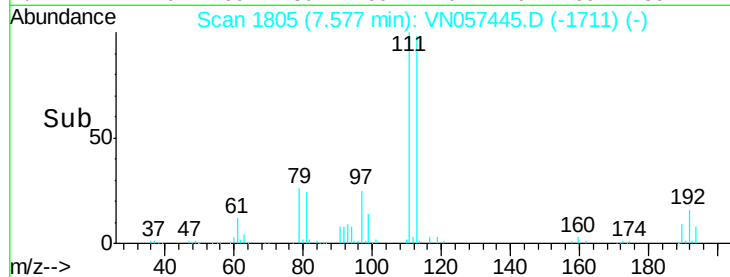
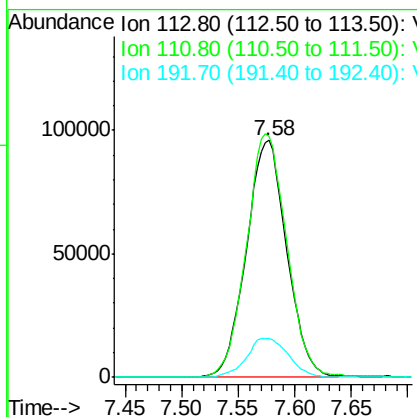
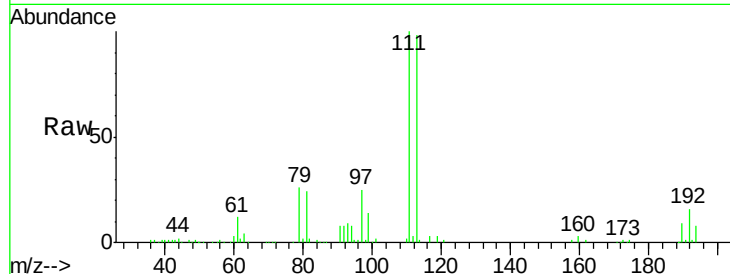
#35
 Dibromofluoromethane
 Concen: 50.035 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238134		
111	103.4	83.8	125.6	
192	16.9	13.5	20.3	

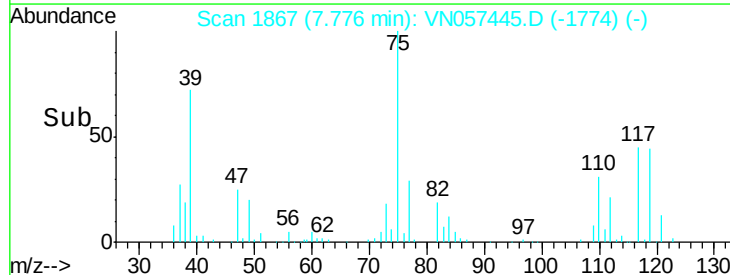
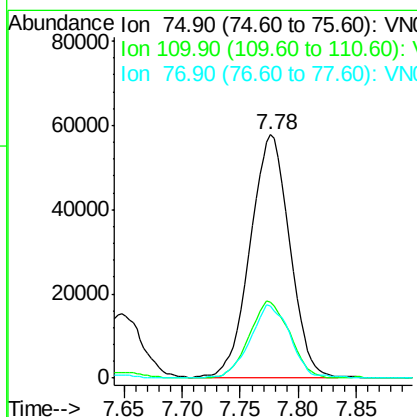
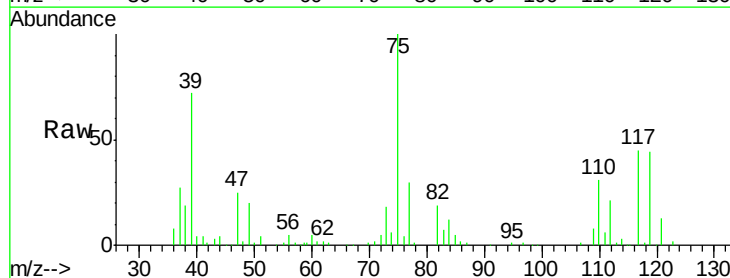
Manual Integrations
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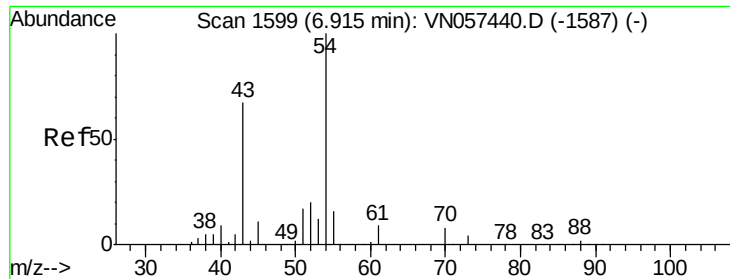
MMDadoda
 8/23/2019 2:40:24 PM



#36
 1,1-Dichloropropene
 Concen: 18.864 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	135815		
110	32.7	16.1	48.3	
77	31.2	24.8	37.2	





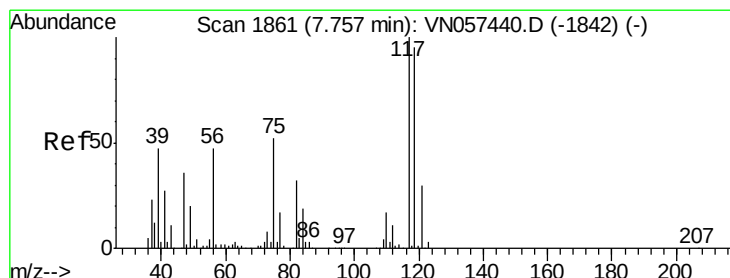
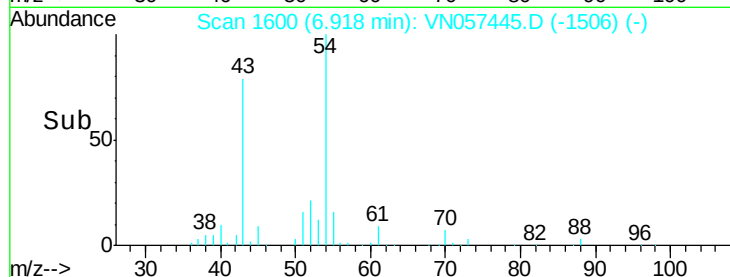
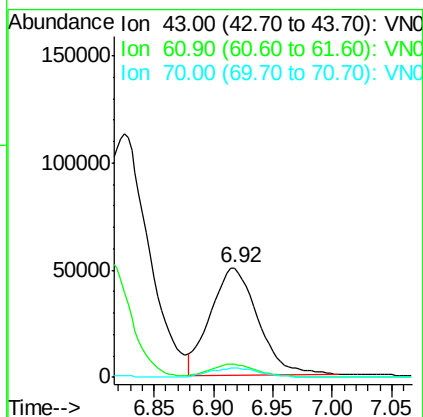
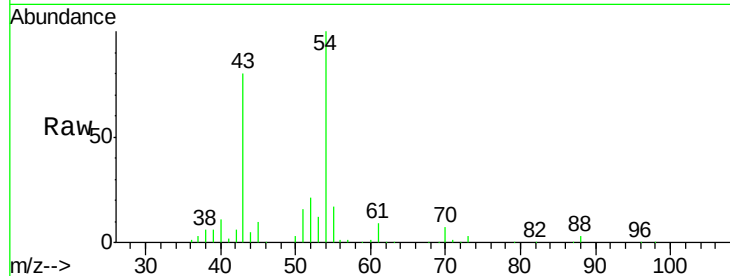
#37
Ethyl Acetate
Concen: 19.336 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.9	14.9
70	9.4	7.0	10.6

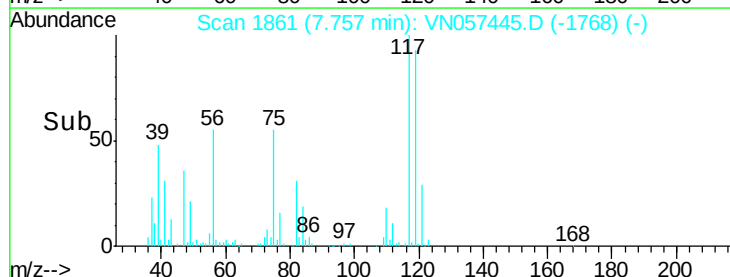
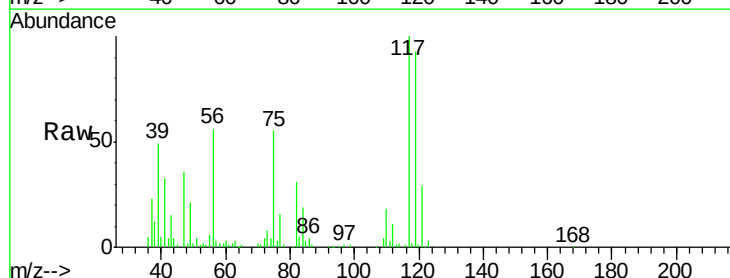
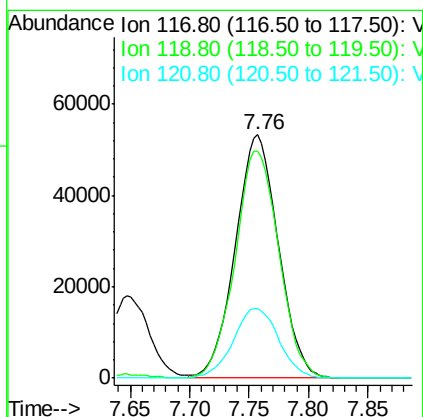
Manual Integrations
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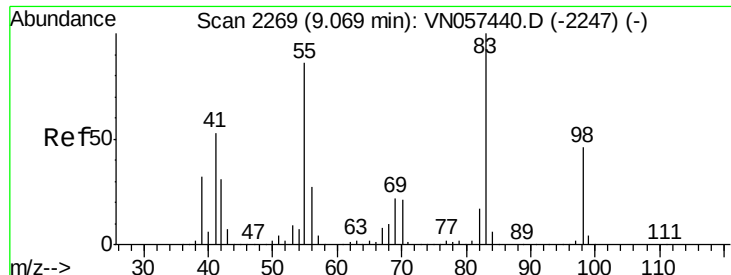
MMDadoda
8/23/2019 2:40:24 PM



#38
Carbon Tetrachloride
Concen: 18.664 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.2	114.4
121	28.5	23.8	35.6





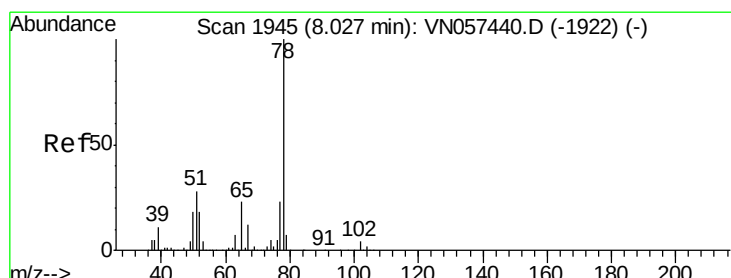
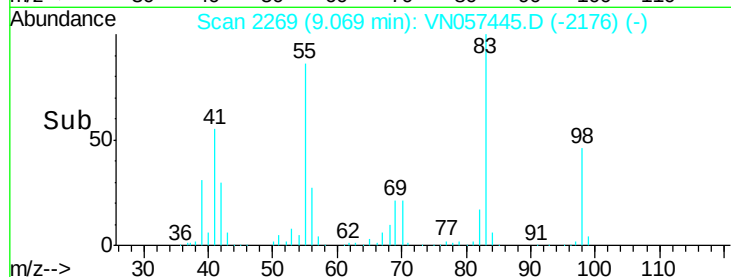
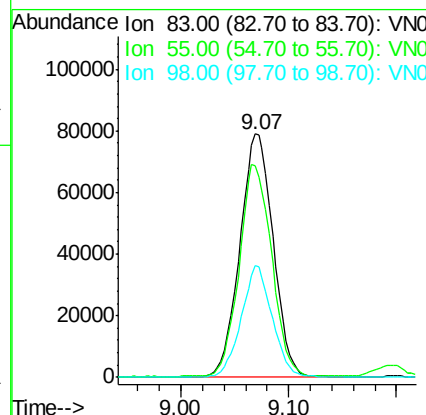
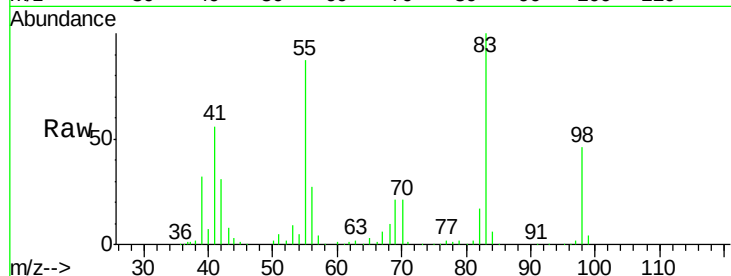
#39
Methylvlcyclohexane
Concen: 19.898 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion	83	Resp	170144
Ion Ratio	Lower	Upper	
83	100		
55	86.3	68.6	102.8
98	45.7	36.6	54.8

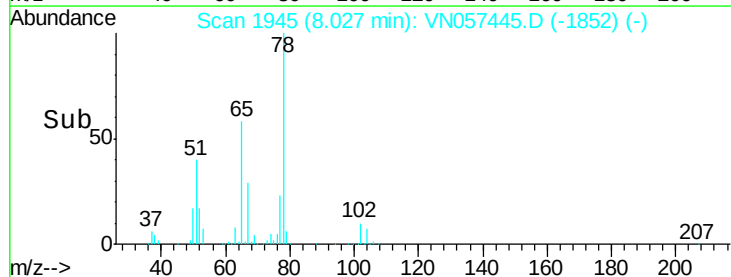
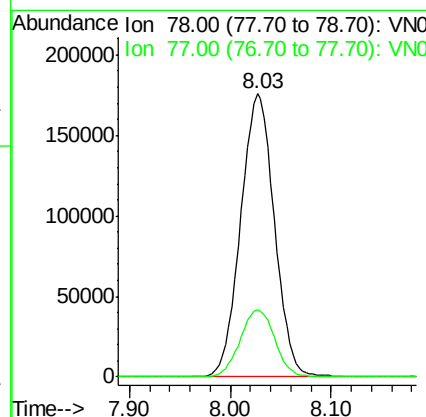
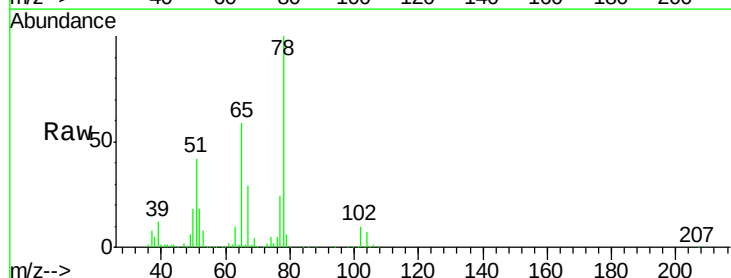
Manual Integrations
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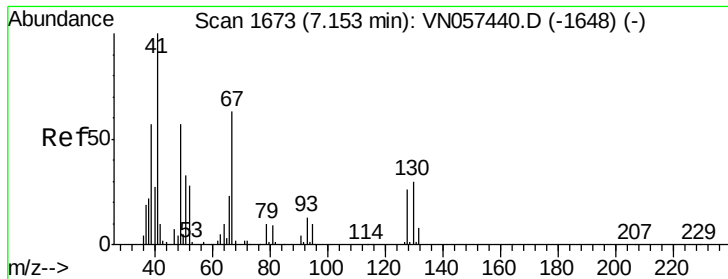
MMDadoda
8/23/2019 2:40:24 PM



#40
Benzene
Concen: 18.843 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	78	Resp	407187
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.5	27.7





#41

Methacrylonitrile

Concen: 17.555 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

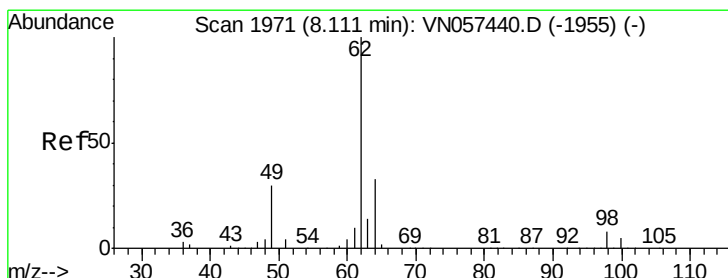
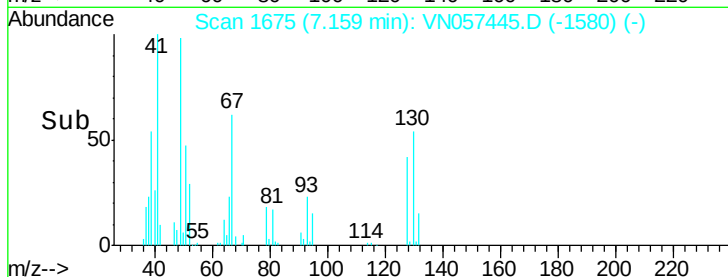
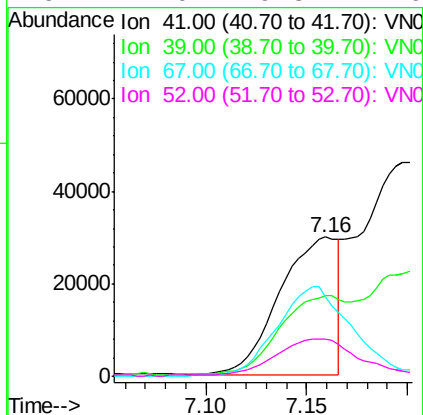
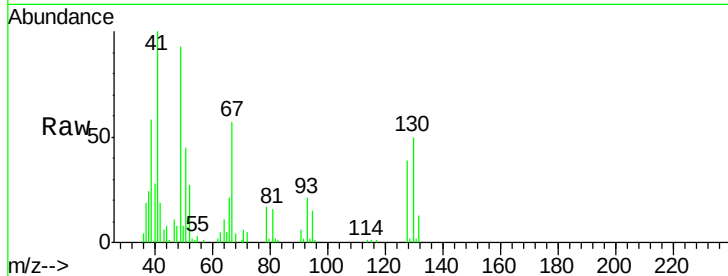
ClientSampleId :

VN0822WBS01

Tot Ion	41	Resp	59555
Ion	Ratio	Lower	Upper
41	100		
39	67.3	53.6	80.4
67	84.9	65.4	98.2
52	41.0	29.8	44.6

Manual Integrations
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MMDadoda
8/23/2019 2:40:24 PM



#42

1,2-Dichloroethane

Concen: 18.955 ug/l

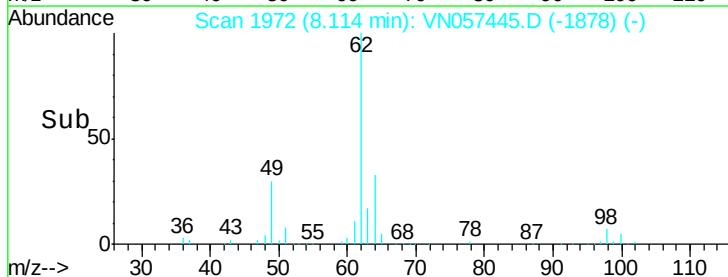
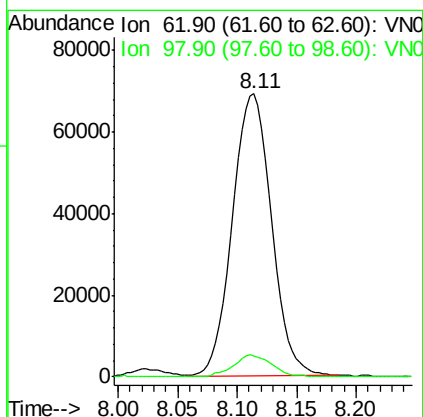
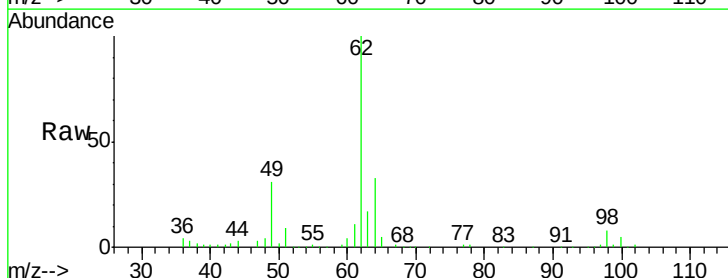
RT: 8.11 min Scan# 1972

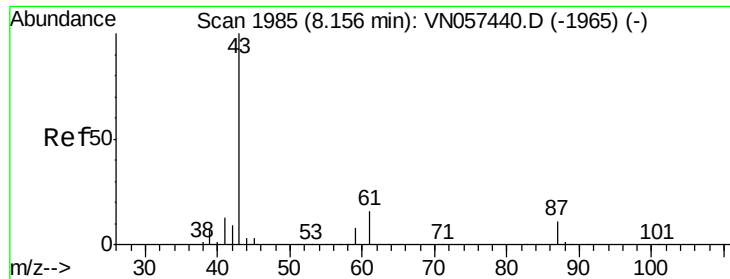
Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion	62	Resp	157713
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.4





#43

Isopropyl Acetate

Concen: 18.909 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

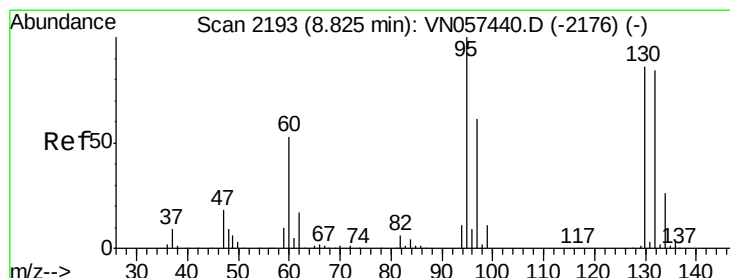
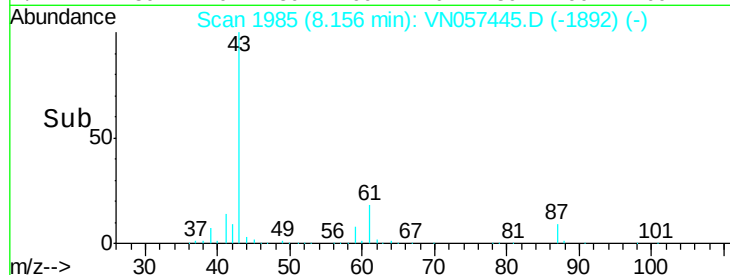
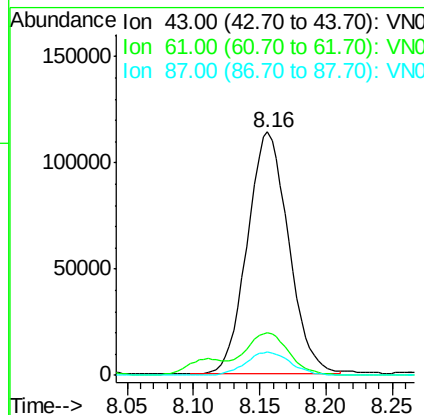
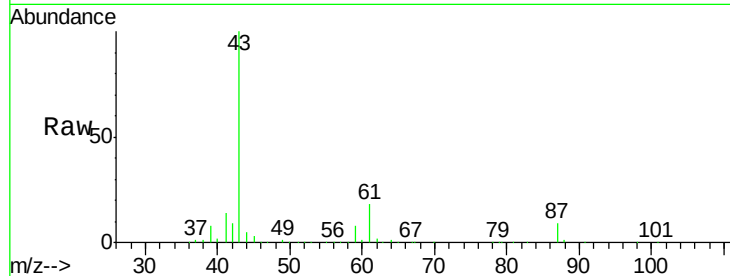
ClientSampleId :

VN0822WBS01

Tot Ion:	43	Resp:	246667
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.5	21.7
87	10.4	8.6	12.8

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#44

Trichloroethene

Concen: 19.323 ug/l

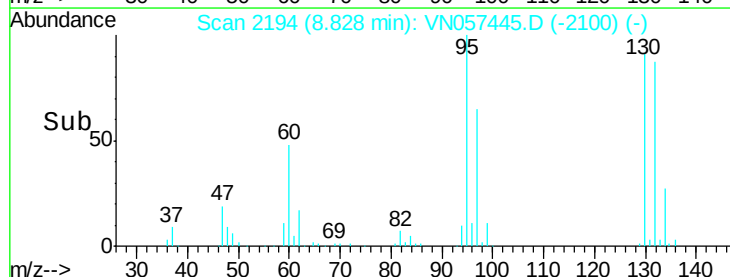
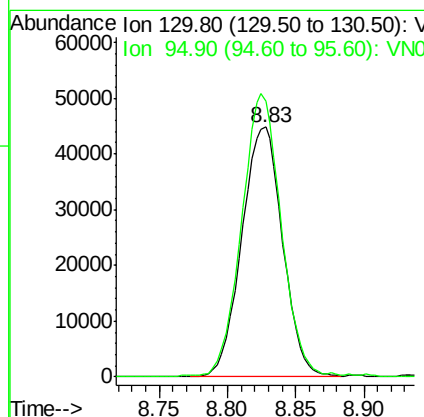
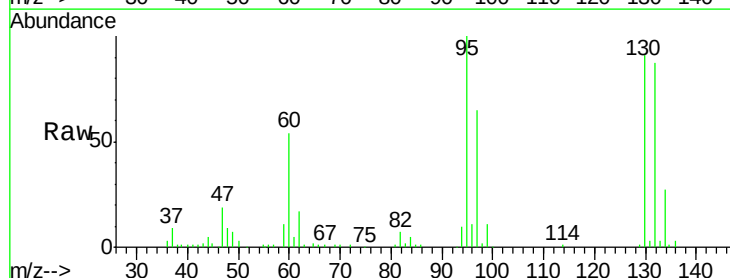
RT: 8.83 min Scan# 2194

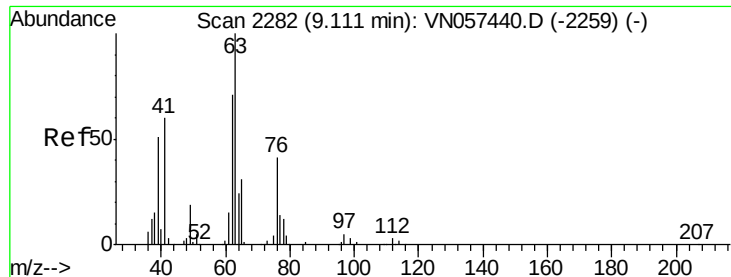
Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion:	130	Resp:	93208
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	231.6





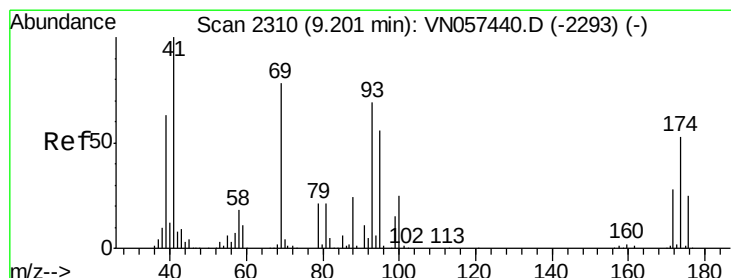
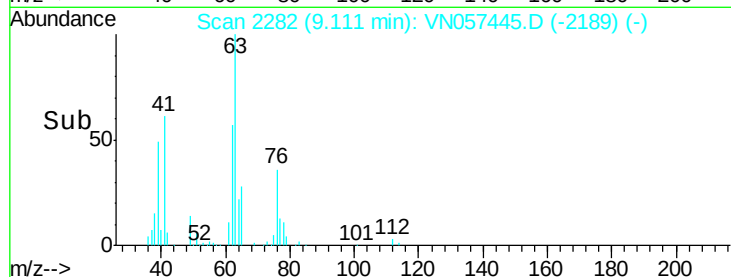
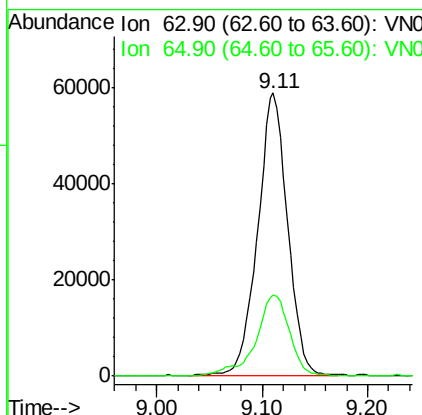
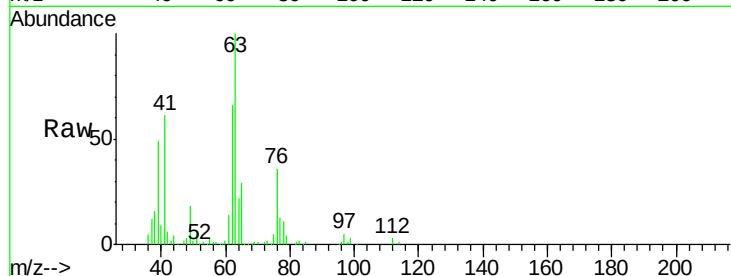
#45
 1,2-Dichloropropane
 Concen: 19.181 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.7	37.1

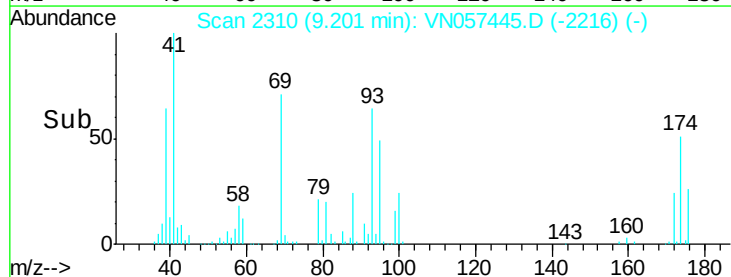
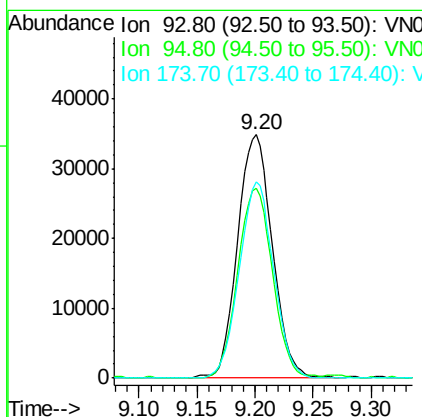
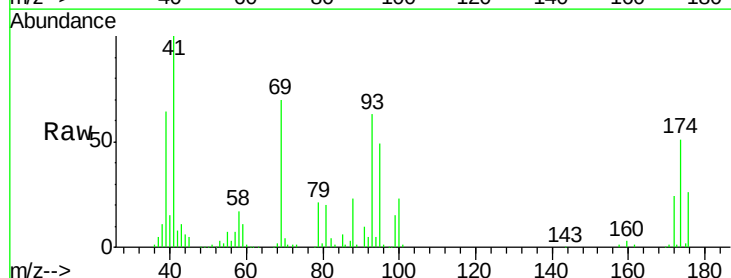
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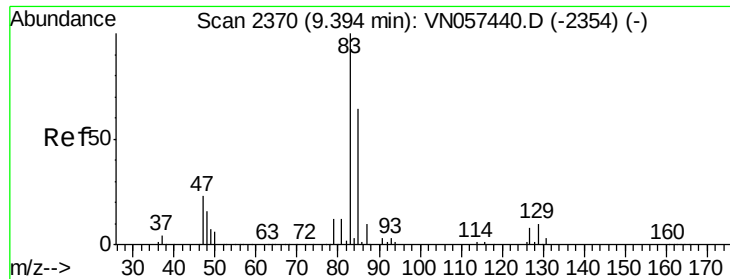
MMDadoda
 8/23/2019 2:40:24 PM



#46
 Dibromomethane
 Concen: 20.090 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.4	64.7	97.1
174	79.8	62.3	93.5





#47

Bromodichloromethane

Concen: 18.503 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

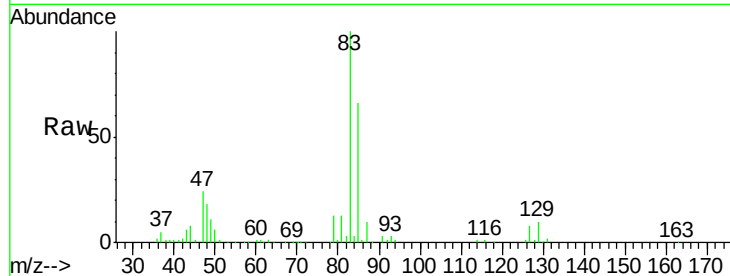
ClientSampleId :

VN0822WBS01

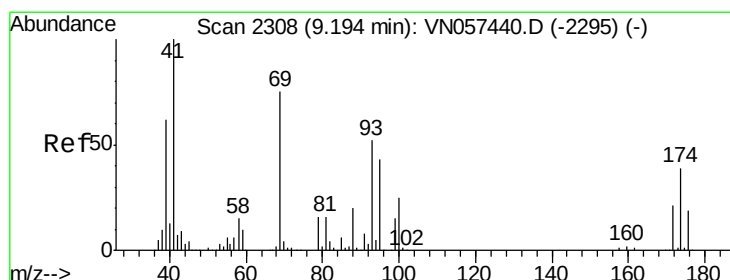
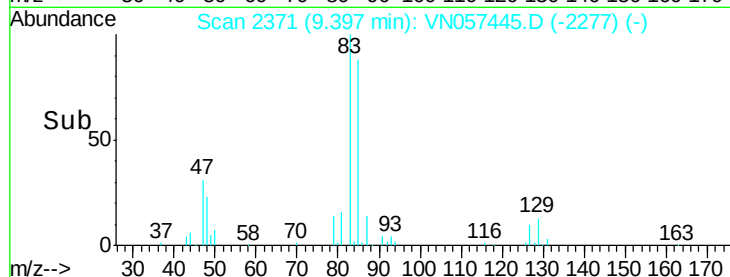
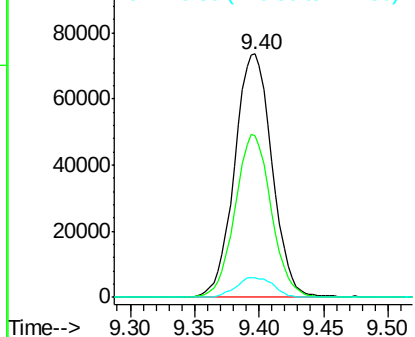
Tot Ion:	83	Resp:	148559
Ion Ratio	Lower	Upper	
83	100		
85	66.4	51.2	76.8
127	7.8	6.6	10.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.153 ug/l

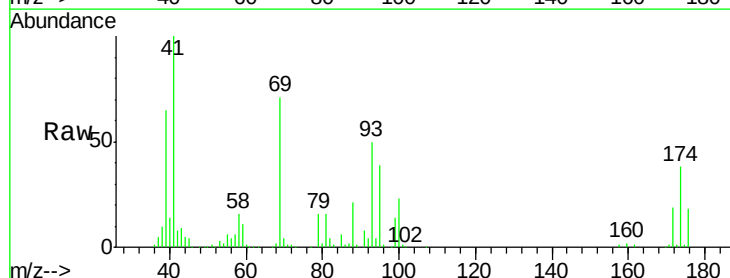
RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

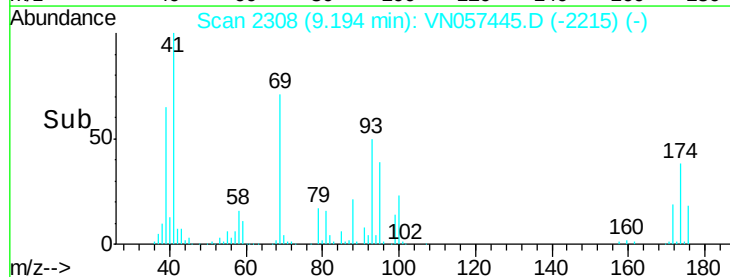
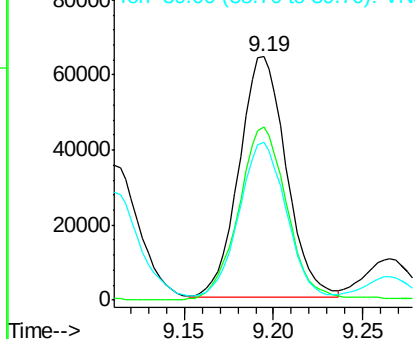
Lab File: VN057445.D

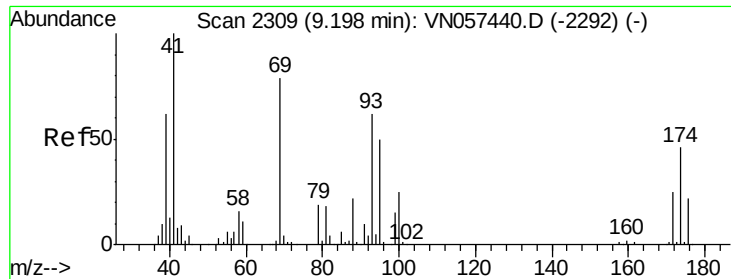
Acq: 22 Aug 2019 20:50

Tgt Ion:	41	Resp:	118810
Ion Ratio	Lower	Upper	
41	100		
69	72.3	59.3	88.9
39	65.4	50.6	75.8



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





#49

1,4-Dioxane

Concen: 384.488 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

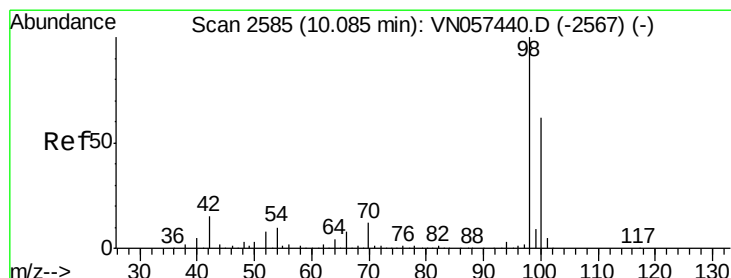
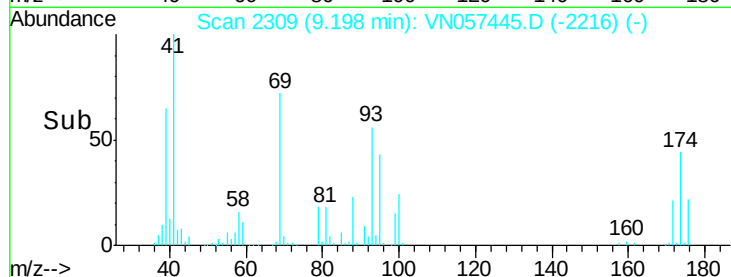
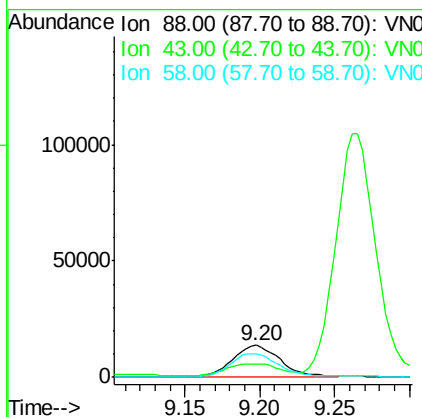
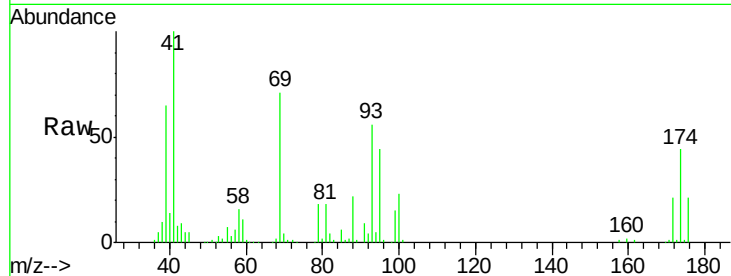
ClientSampleId :

VN0822WBS01

Tot Ion:	88	Resp:	30842
Ion	Ratio	Lower	Upper
88	100		
43	42.7	31.0	46.6
58	76.6	64.5	96.7

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#50

Toluene-d8

Concen: 51.214 ug/l

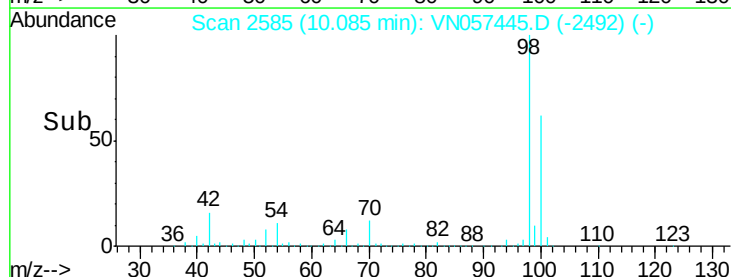
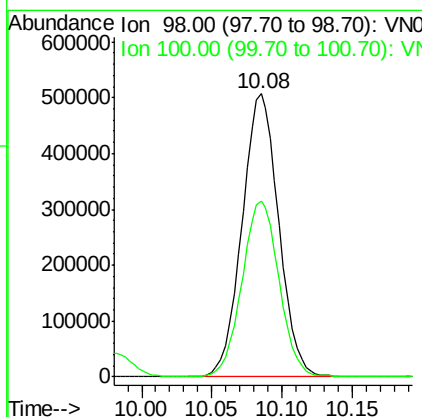
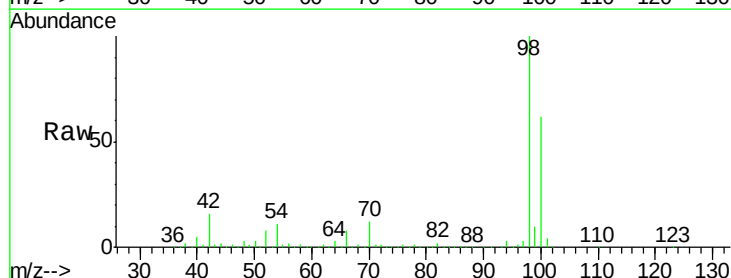
RT: 10.08 min Scan# 2585

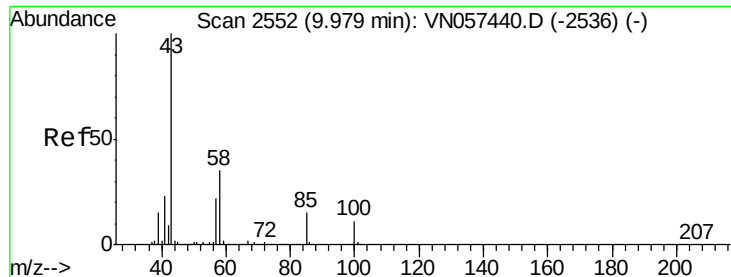
Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion:	98	Resp:	921652
Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.4	75.6





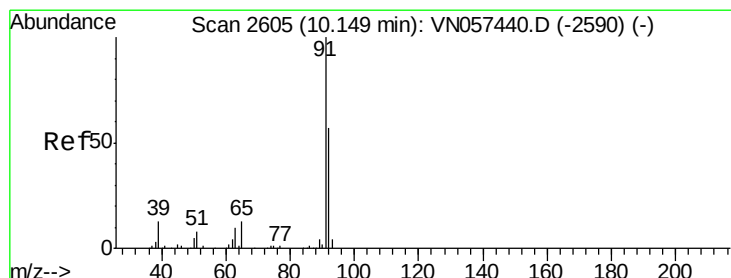
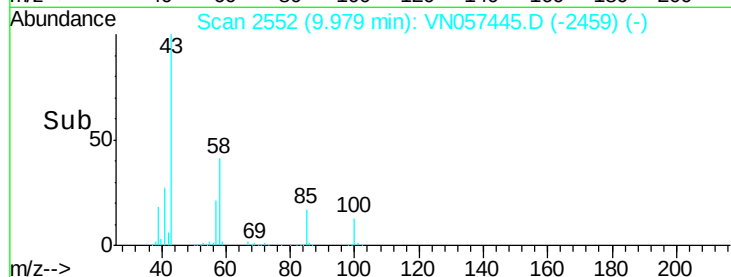
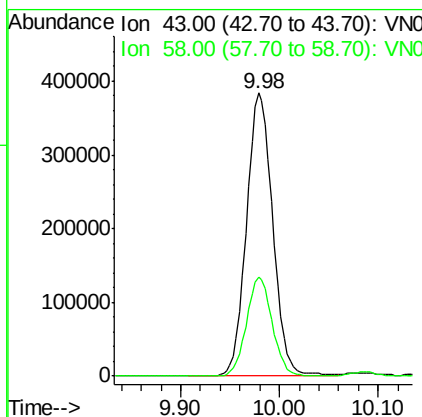
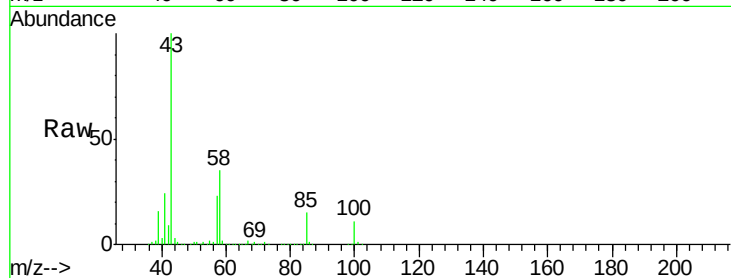
#51
 4-Methyl-2-Pentanone
 Concen: 96.314 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion	43	Resp	700219
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.9	41.9

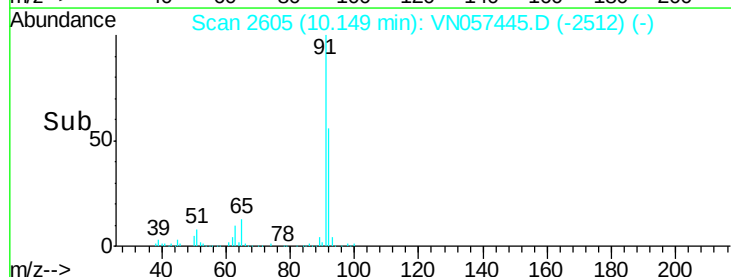
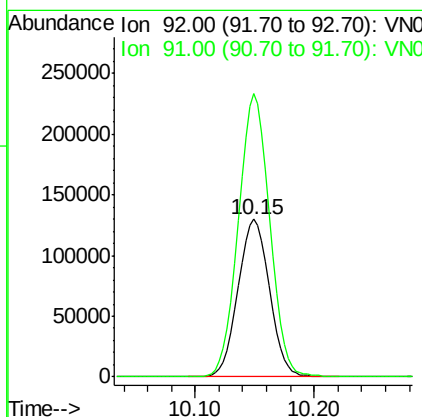
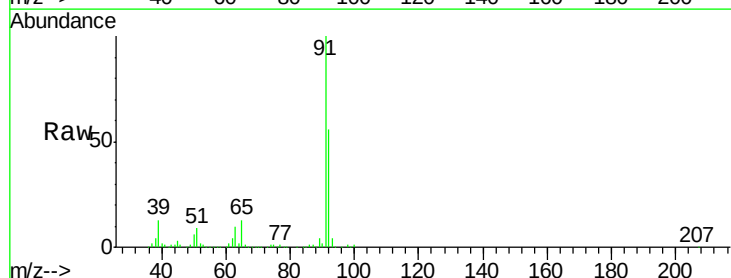
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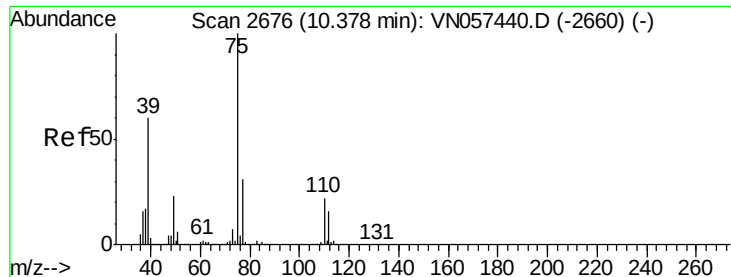
MMDadoda
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#52
 Toluene
 Concen: 19.155 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	92	Resp	238576
Ion	Ratio	Lower	Upper
92	100		
91	178.0	140.9	211.3





#53

t-1,3-Dichloropropene

Concen: 17.957 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tot Ion: 75 Resp: 151021

Ion Ratio Lower Upper

75 100

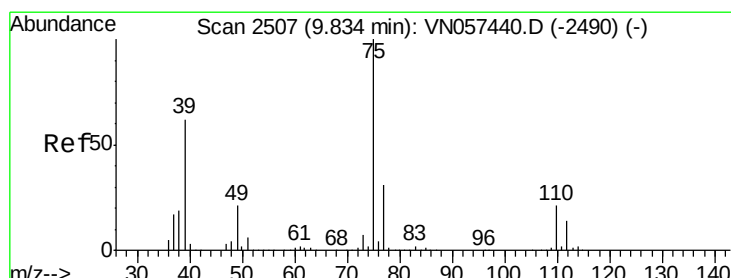
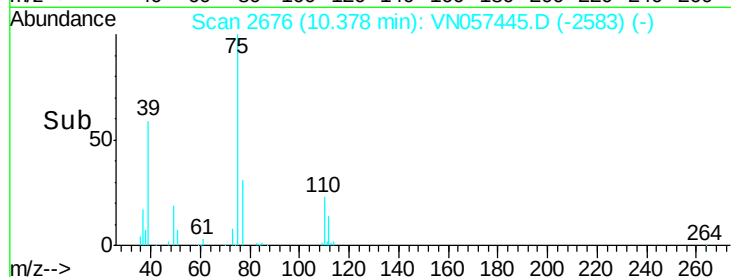
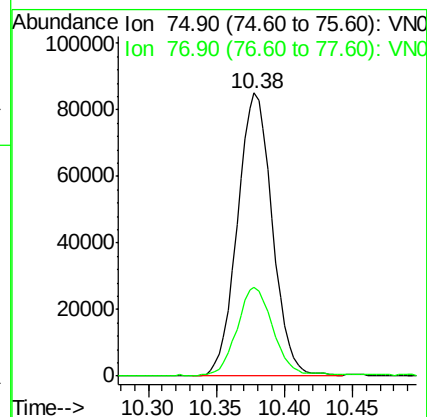
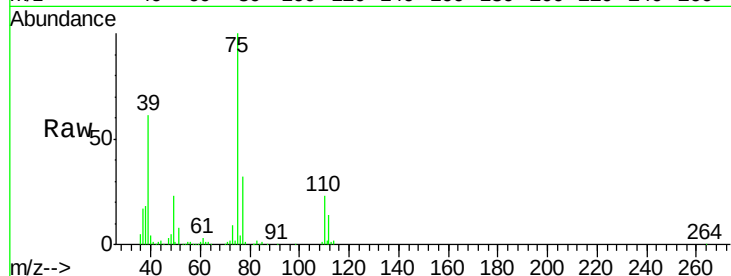
77 31.4 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.243 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

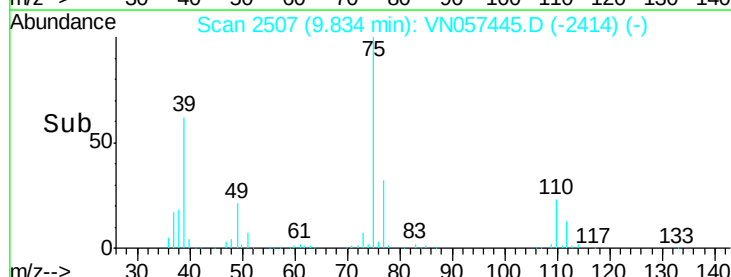
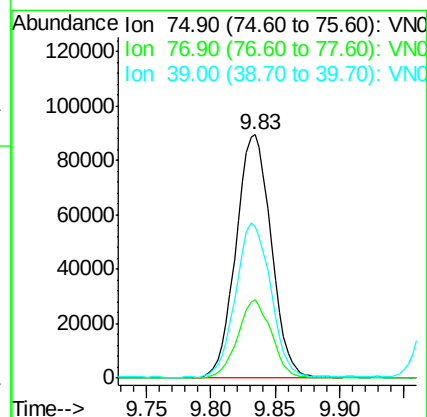
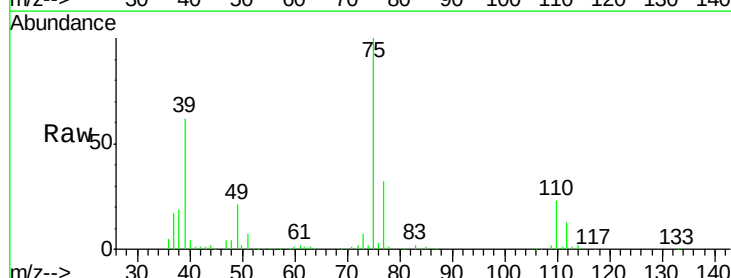
Tgt Ion: 75 Resp: 170828

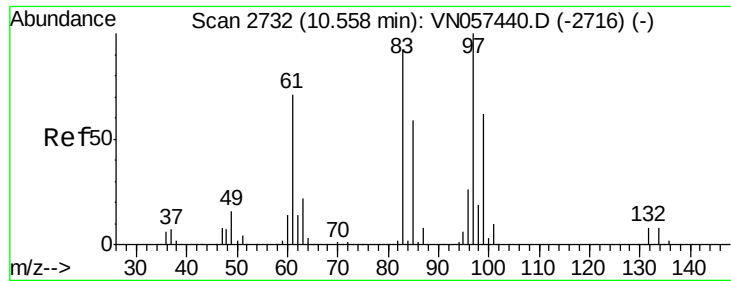
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6

39 61.7 49.2 73.8





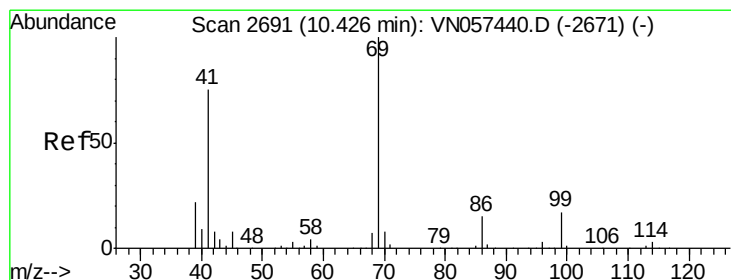
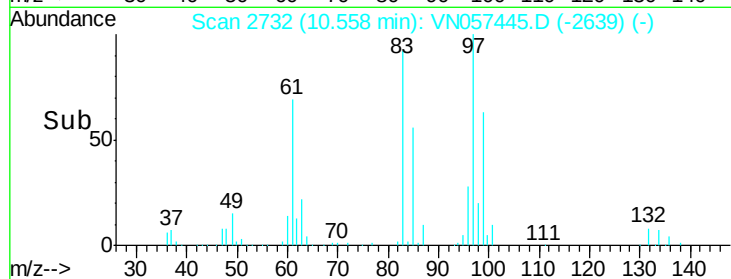
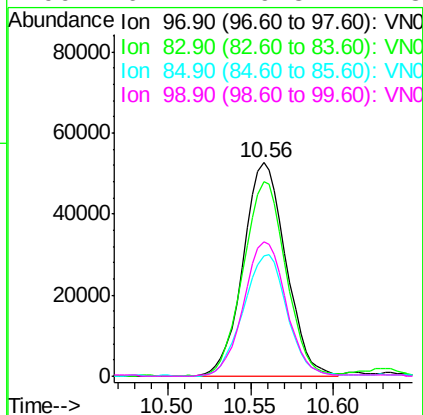
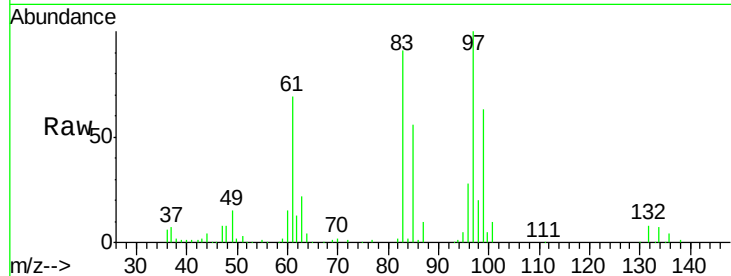
#55
 1,1,2-Trichloroethane
 Concen: 18.733 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion:	97	Resp:	94351
Ion	Ratio	Lower	Upper
97	100		
83	91.0	73.7	110.5
85	56.1	46.8	70.2
99	62.7	49.8	74.8

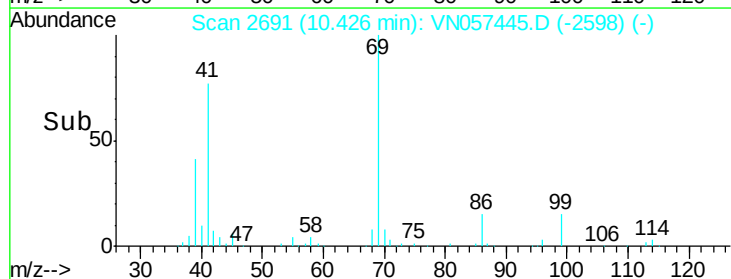
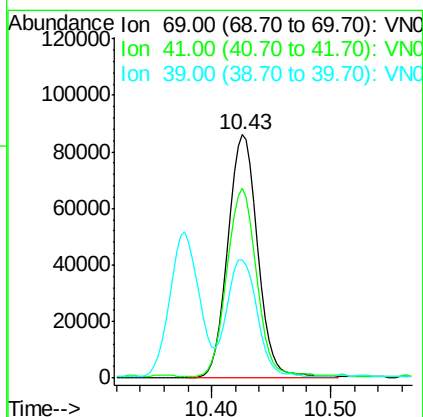
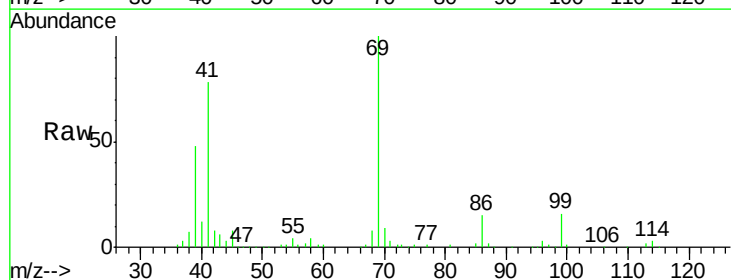
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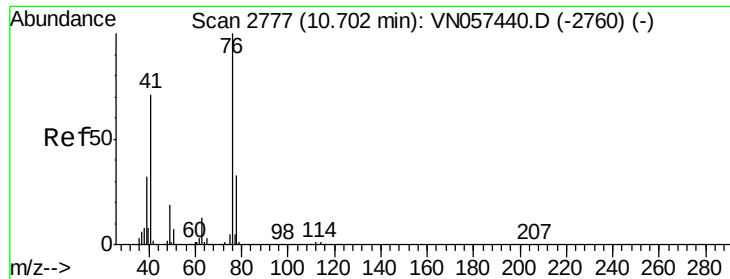
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#56
 Ethyl methacrylate
 Concen: 19.028 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion:	69	Resp:	150760
Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.8	91.2
39	47.6	36.5	54.7





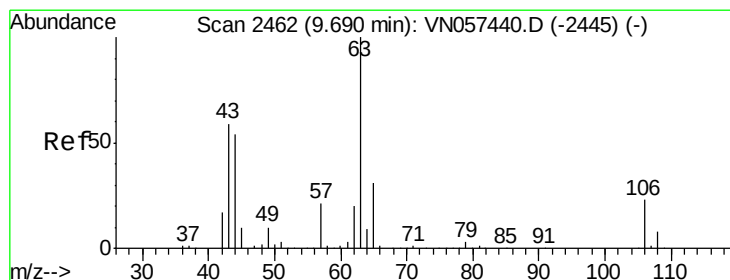
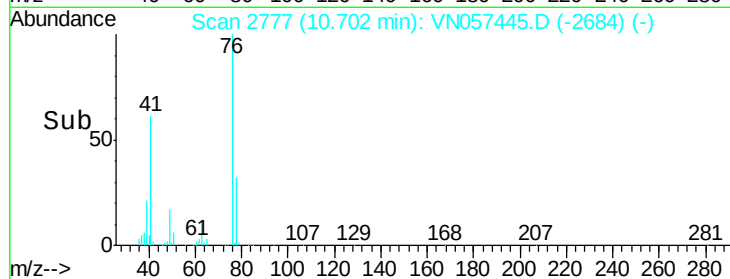
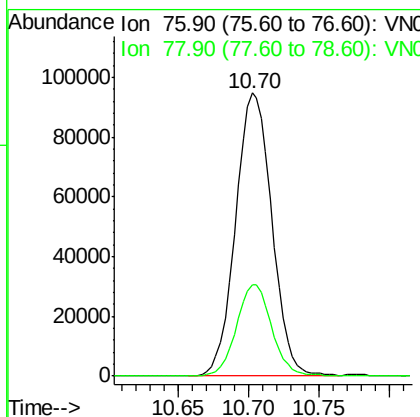
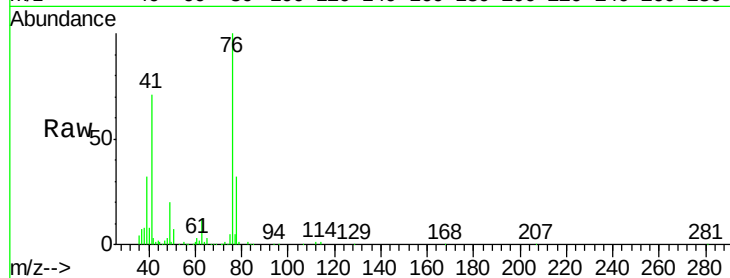
#57
 1,3-Dichloropropane
 Concen: 19.508 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0822WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

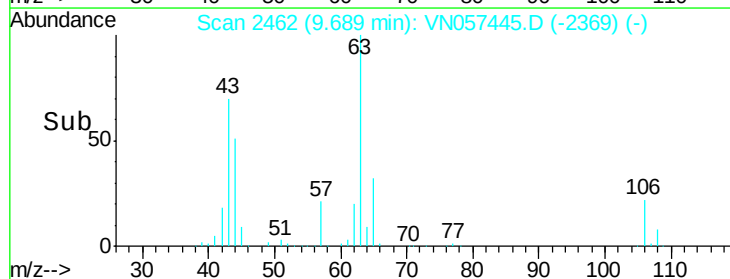
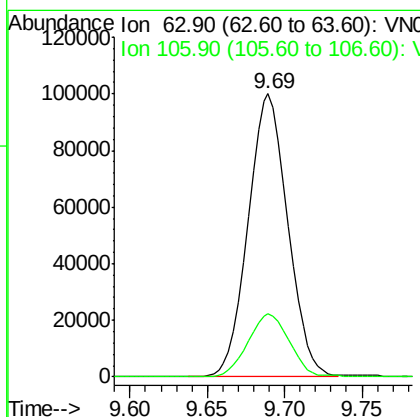
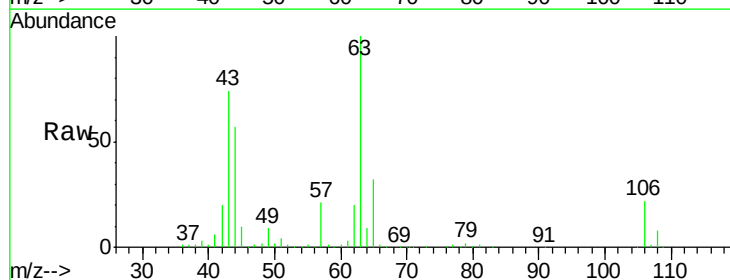
Manual Integrations
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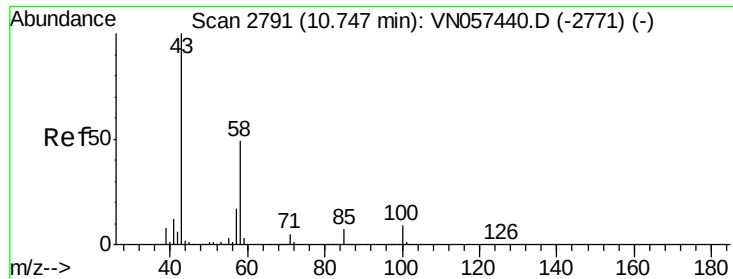
MMDadoda
 8/23/2019 2:40:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.493 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.4	18.6	27.8





#59

2-Hexanone

Concen: 95.374 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tot Ion: 43 Resp: 475581

Ion Ratio Lower Upper

43 100

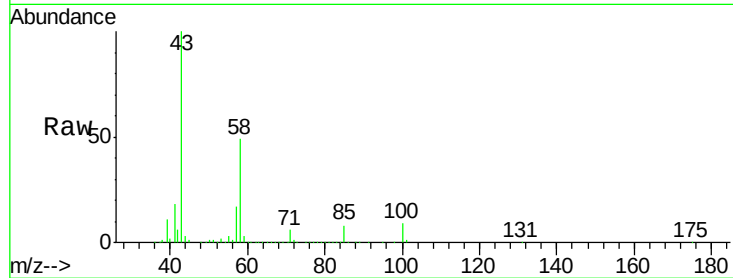
58 48.3 24.6 73.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-2771) (-)

Ion 58.00 (57.70 to 58.70): VN057440.D (-2771) (-)

10.75

250000

200000

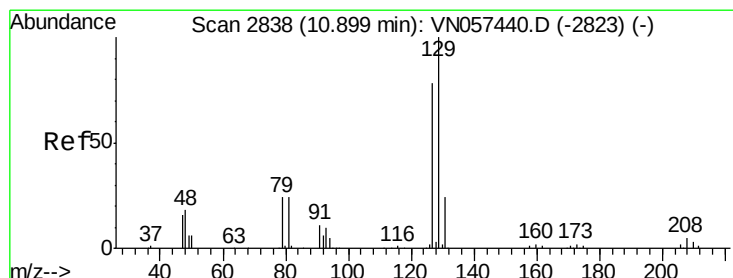
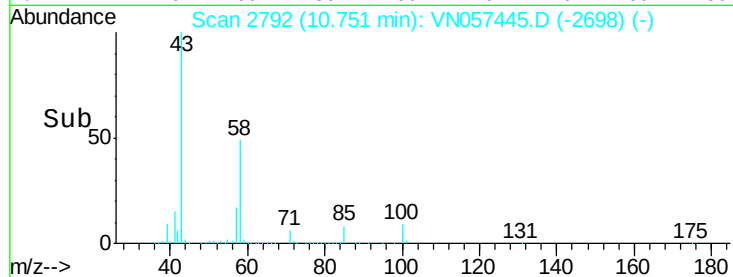
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 18.771 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057445.D

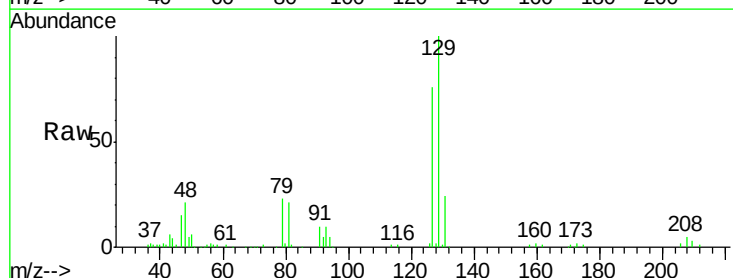
Acq: 22 Aug 2019 20:50

Tgt Ion: 129 Resp: 99912

Ion Ratio Lower Upper

129 100

127 76.7 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): VN057440.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN057440.D (-2823) (-)

10.90

60000

50000

40000

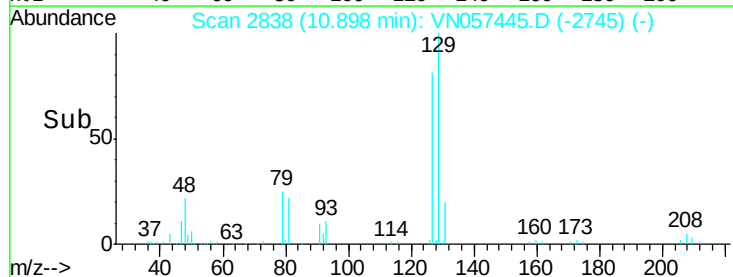
30000

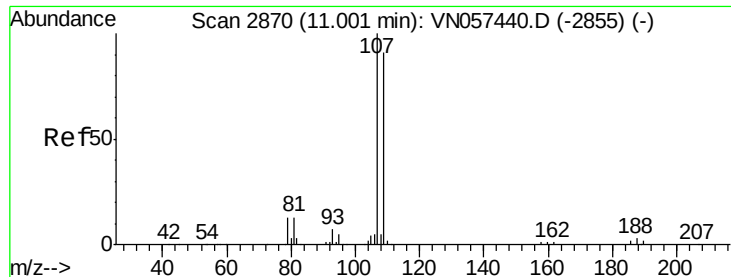
20000

10000

0

Time-->





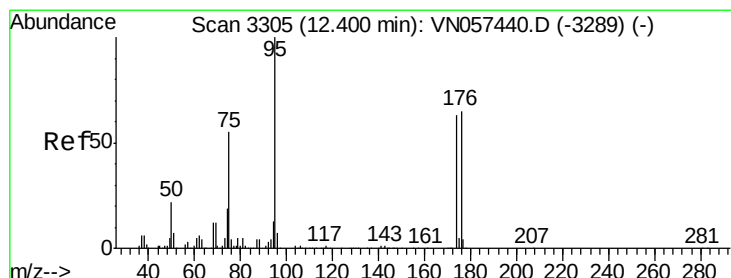
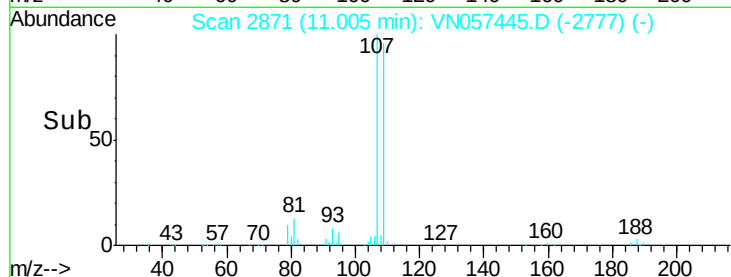
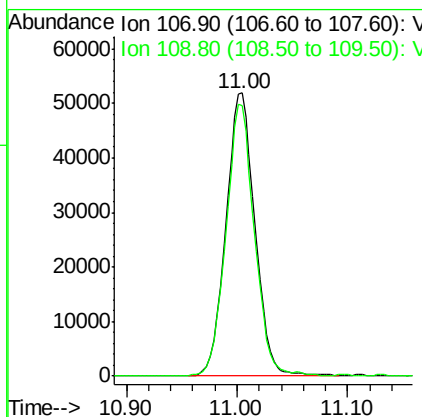
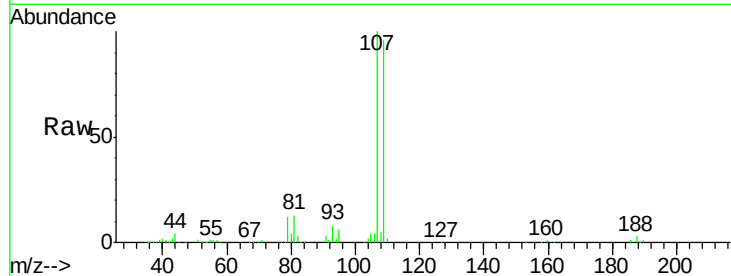
#61
 1,2-Dibromoethane
 Concen: 19.106 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	73.8	110.8

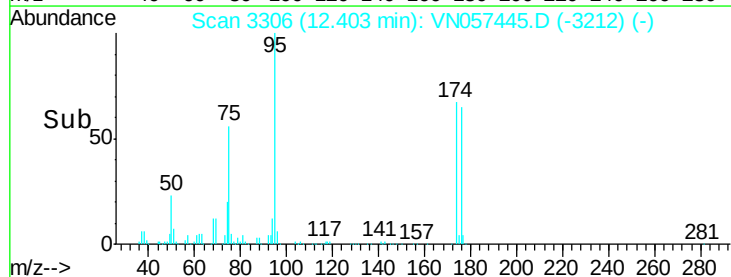
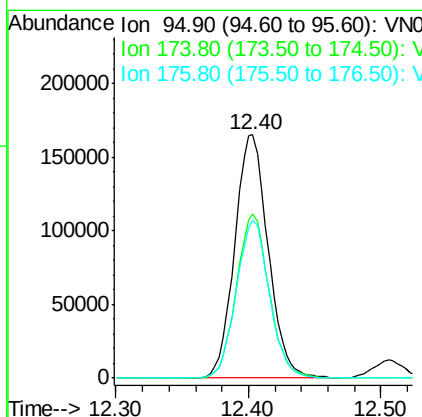
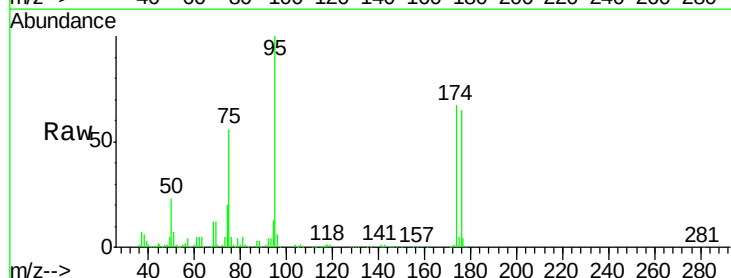
Manual Integrations
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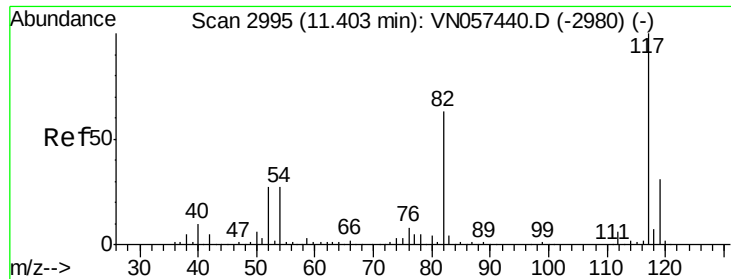
MMDadoda
 8/23/2019 2:40:24 PM



#62
 4-Bromofluorobenzene
 Concen: 47.472 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	133.0
176	64.2	0.0	130.8





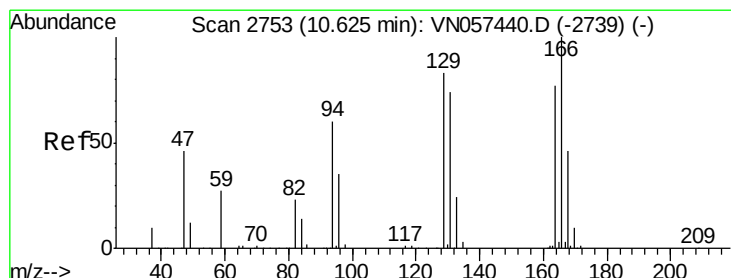
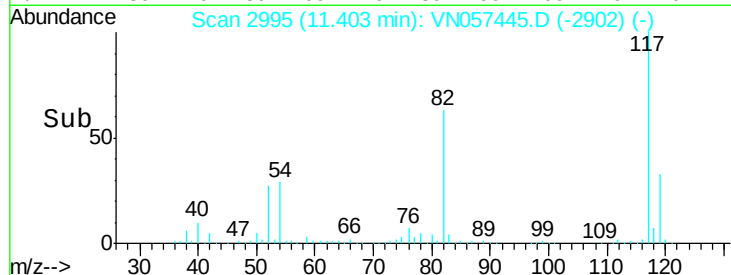
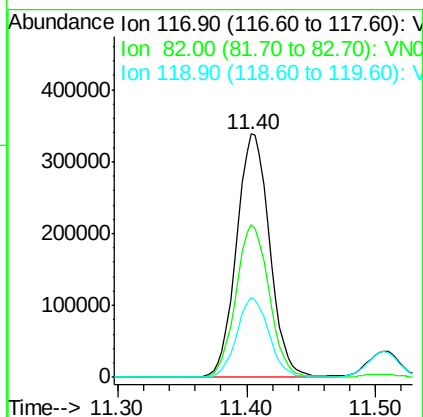
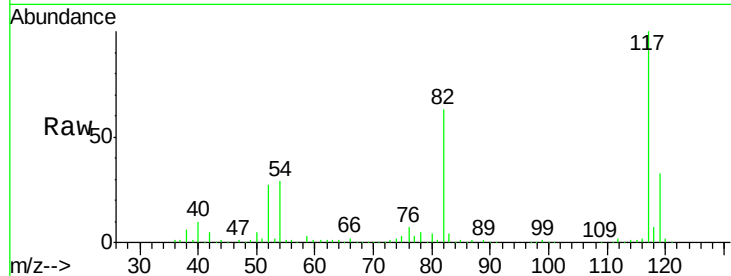
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	50.6	75.8
119	32.6	24.6	36.8

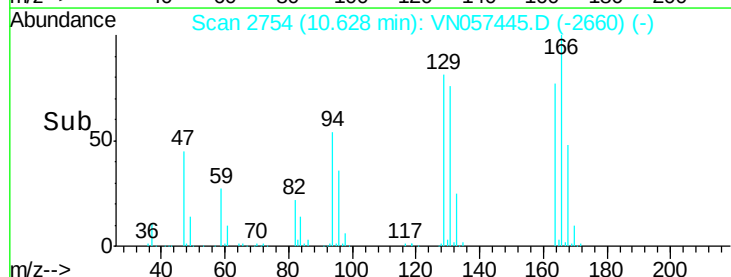
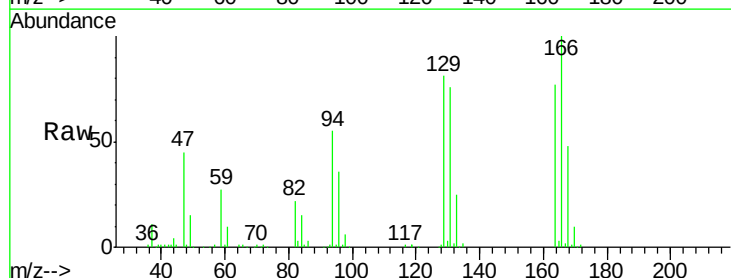
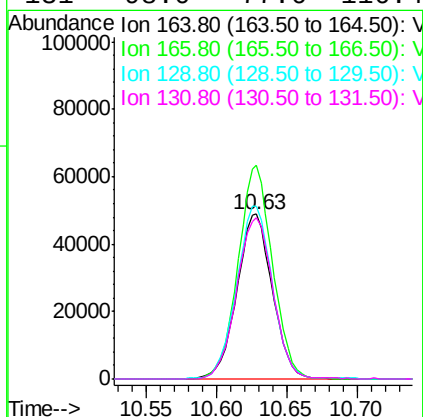
Manual Integrations
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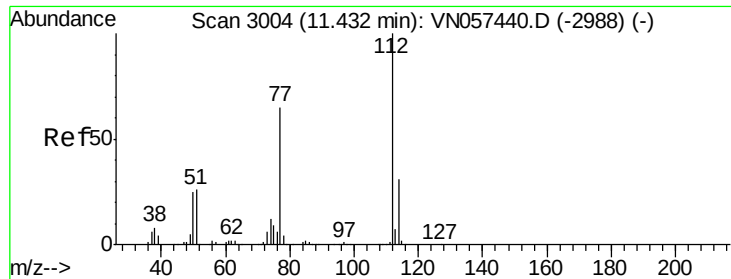
MMDadoda
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#64
Tetrachloroethene
Concen: 20.203 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	104.4	156.6
129	104.2	86.6	130.0
131	98.0	77.6	116.4





#65

Chlorobenzene

Concen: 19.106 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampled :

VN0822WBS01

Tot Ion:112 Resp: 234179

Ion Ratio Lower Upper

112 100

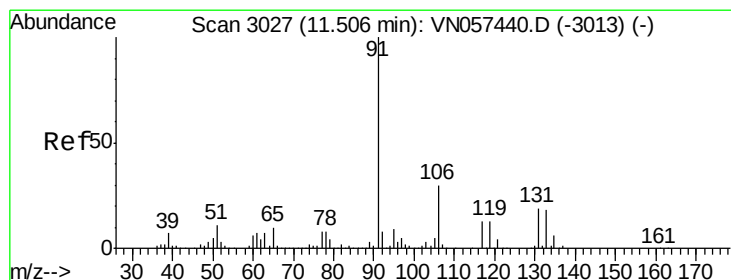
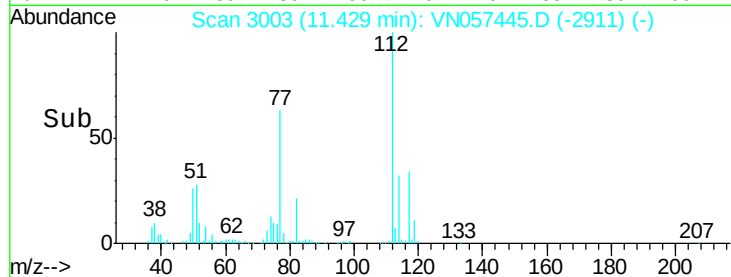
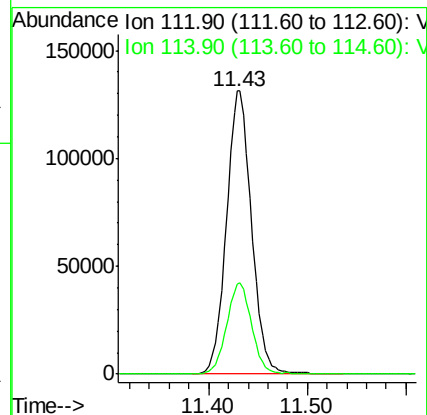
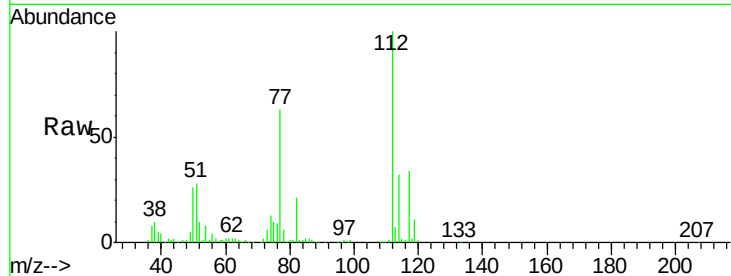
114 32.0 24.8 37.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.445 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

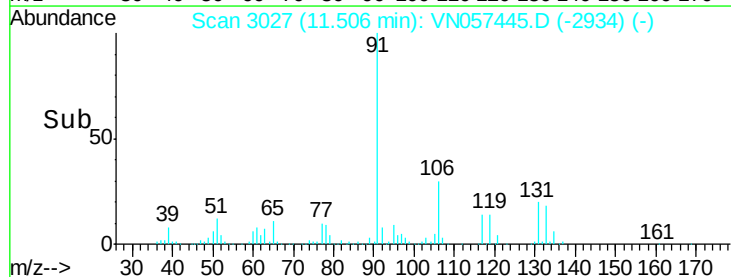
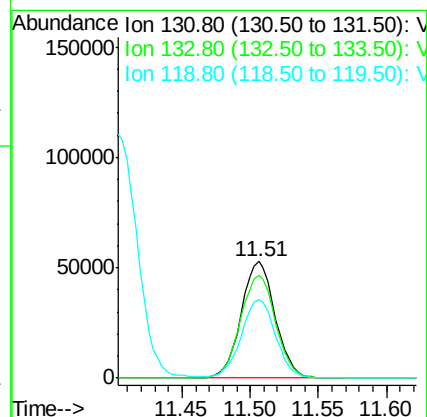
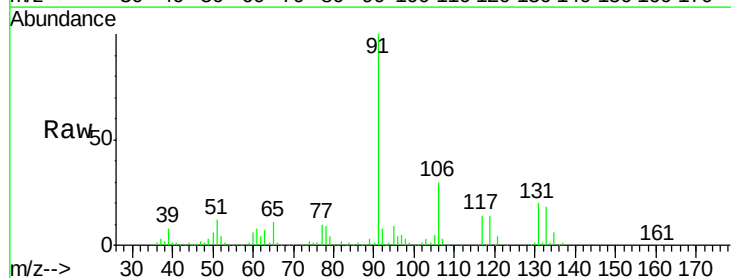
Tgt Ion:131 Resp: 91407

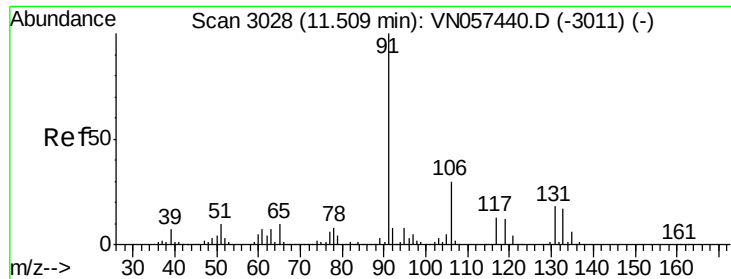
Ion Ratio Lower Upper

131 100

133 90.9 47.6 142.8

119 68.4 34.4 103.2





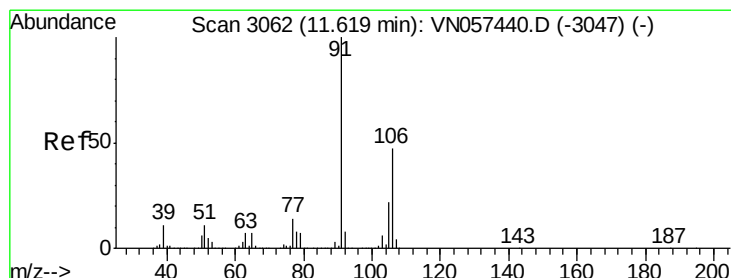
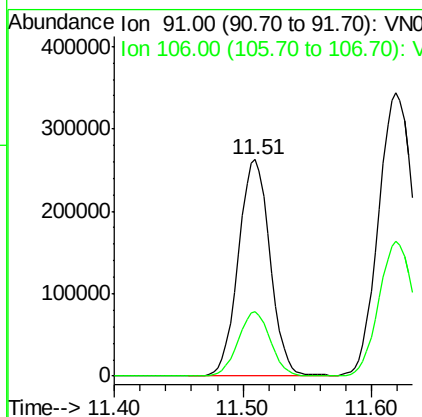
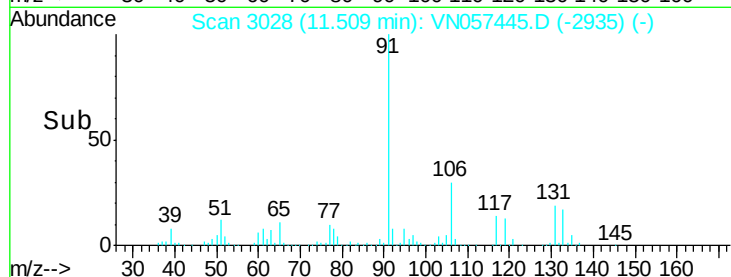
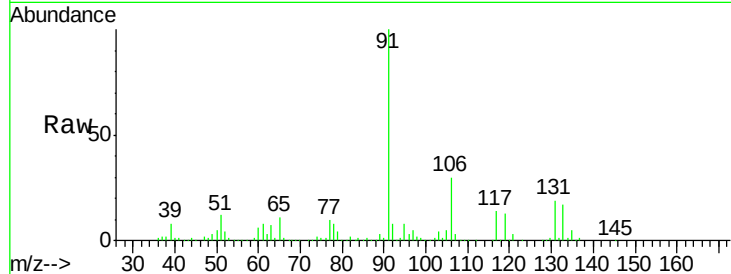
#67
Ethyl Benzene
Concen: 18.993 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion: 91 Resp: 450592
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

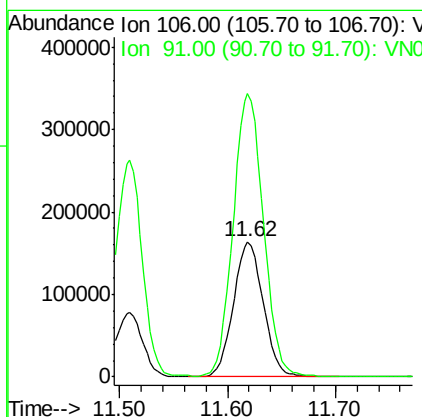
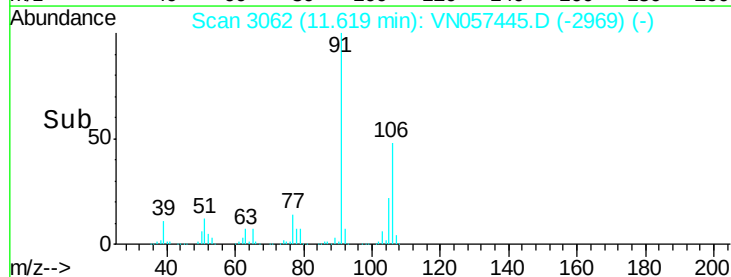
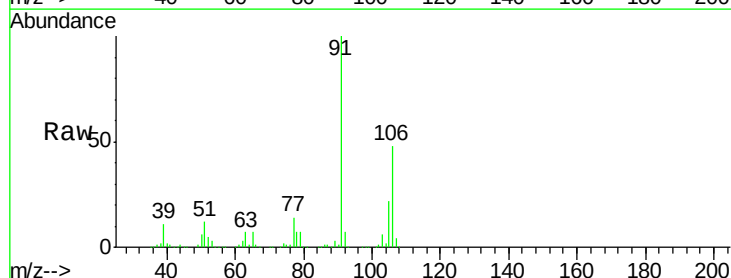
Manual Integrations
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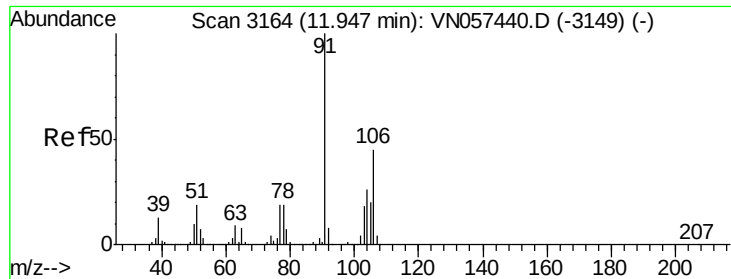
MMDadoda
8/23/2019 2:40:24 PM



#68
m/p-Xylenes
Concen: 39.055 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion: 106 Resp: 315106
Ion Ratio Lower Upper
106 100
91 212.8 171.8 257.6





#69

o-Xylene

Concen: 19.632 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tot Ion:106 Resp: 156908

Ion Ratio Lower Upper

106 100

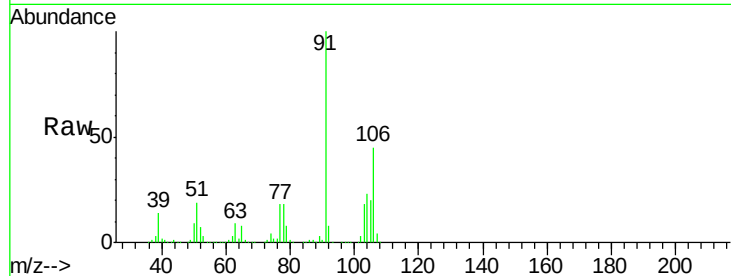
91 223.1 112.3 336.9

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

100000

50000

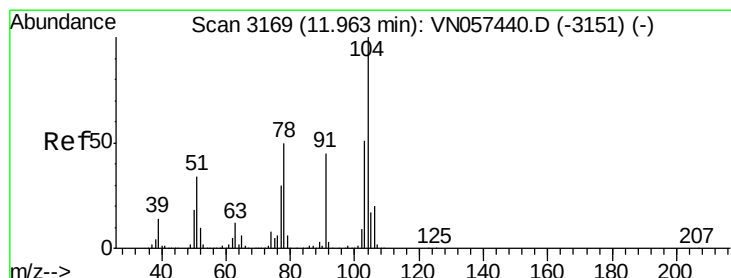
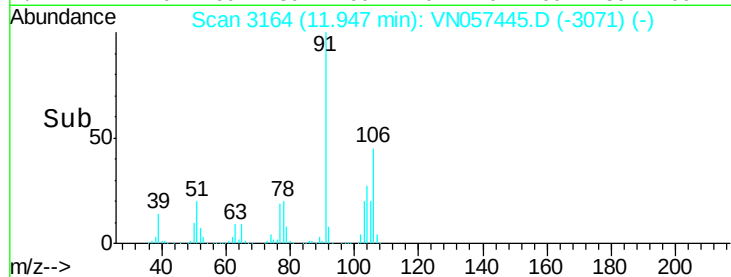
0

11.90

11.95

12.00

Time-->



#70

Styrene

Concen: 19.206 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

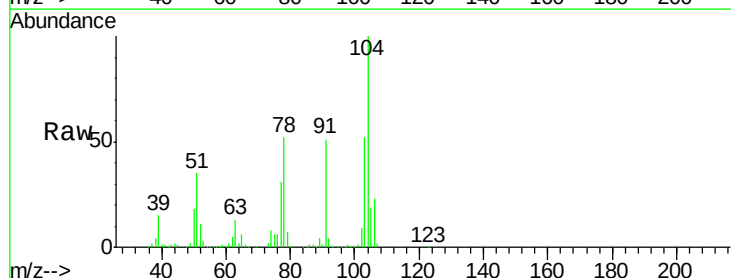
Tgt Ion:104 Resp: 243069

Ion Ratio Lower Upper

104 100

78 57.0 44.7 67.1

103 56.9 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

150000

100000

50000

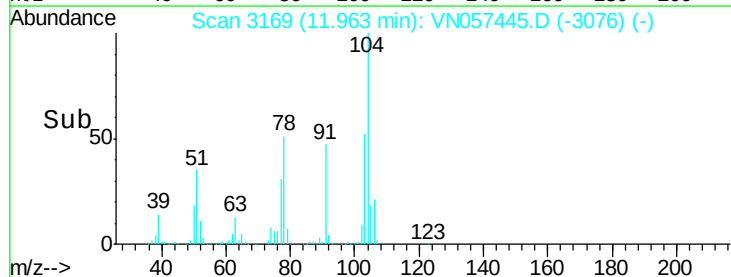
0

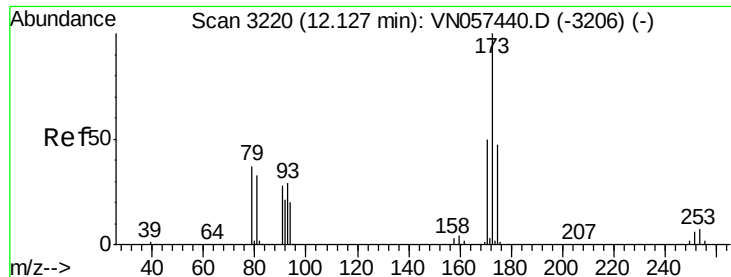
11.90

11.96

12.00

Time-->





#71

Bromoform

Concen: 18.706 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

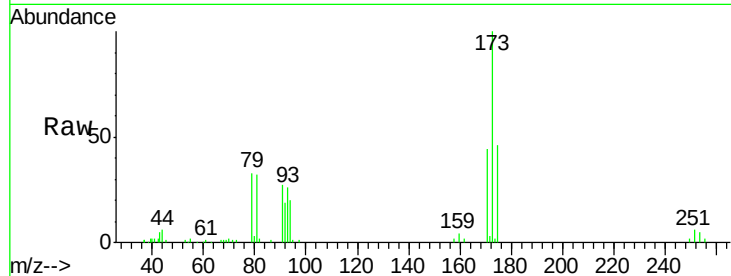
ClientSampleId :

VN0822WBS01

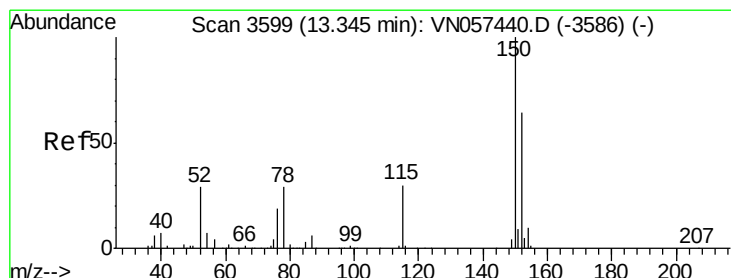
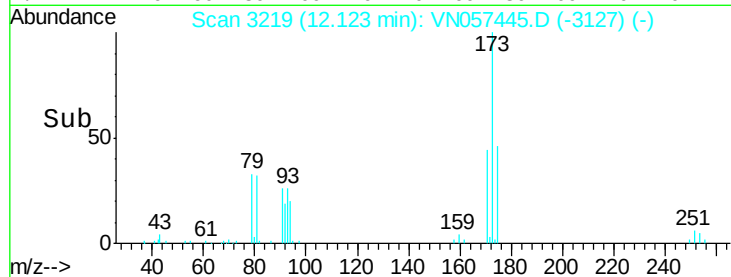
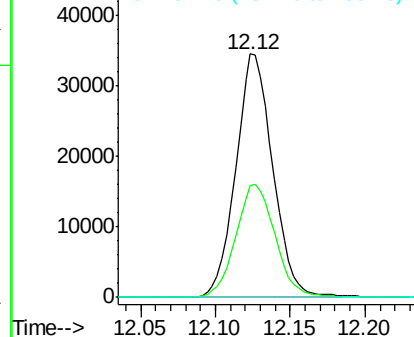
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.9	71.8
254	0.0	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

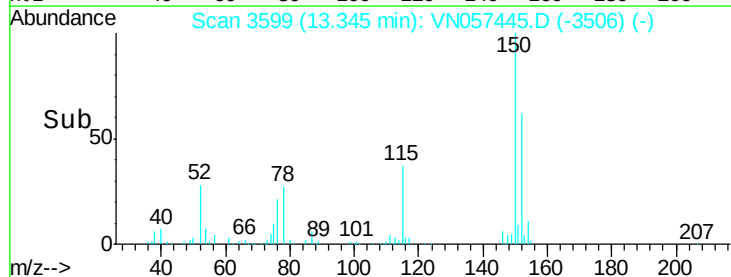
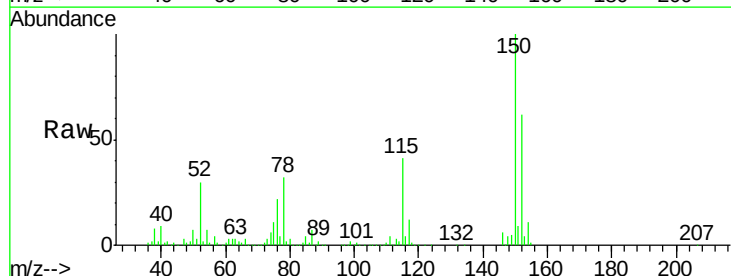
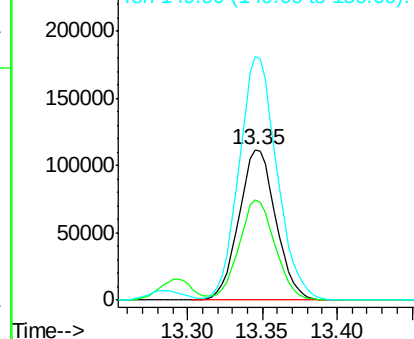
Delta R.T. -0.00 min

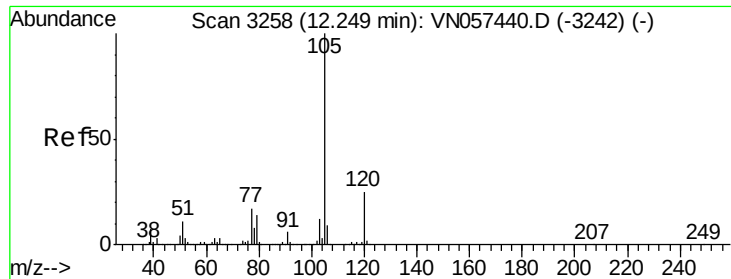
Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.2	32.0	96.0
150	166.1	0.0	346.6

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





#73

Isopropylbenzene

Concen: 22.116 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBS01

Tot Ion:105 Resp: 414721

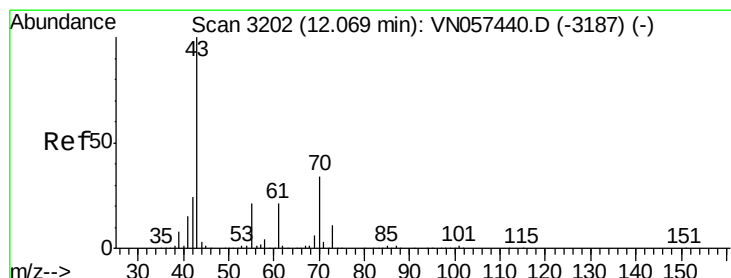
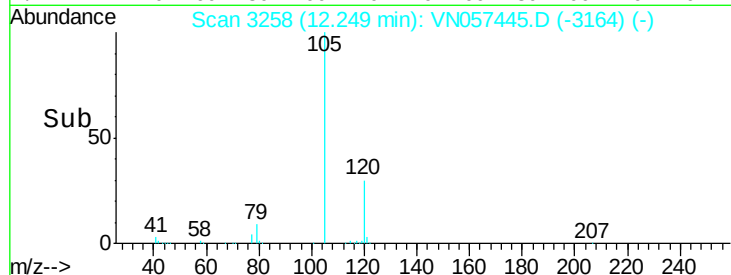
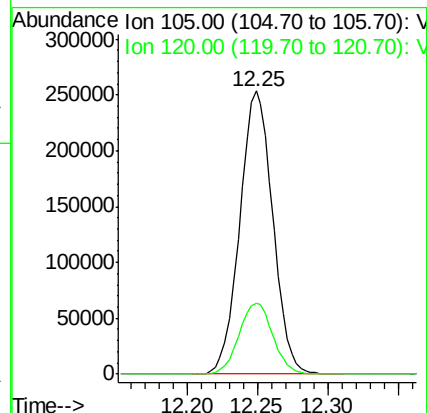
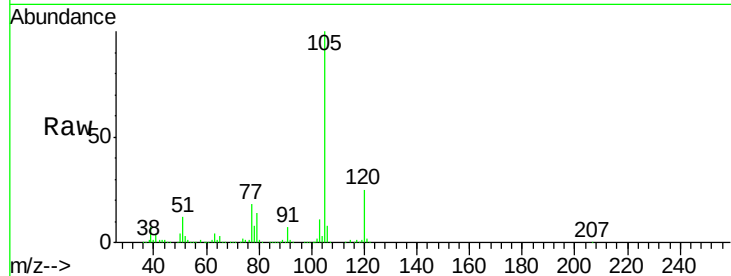
Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.444 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion: 43 Resp: 195197

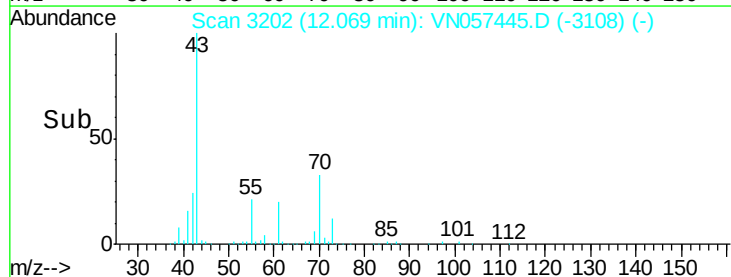
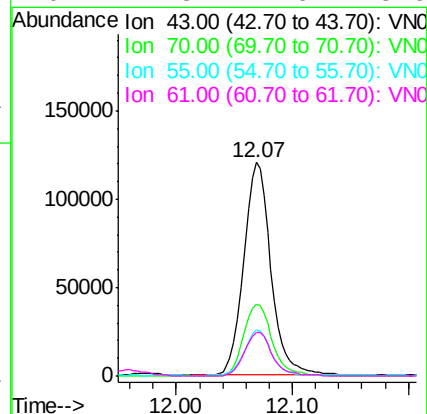
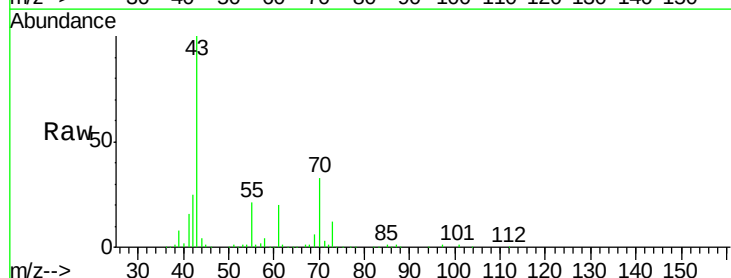
Ion Ratio Lower Upper

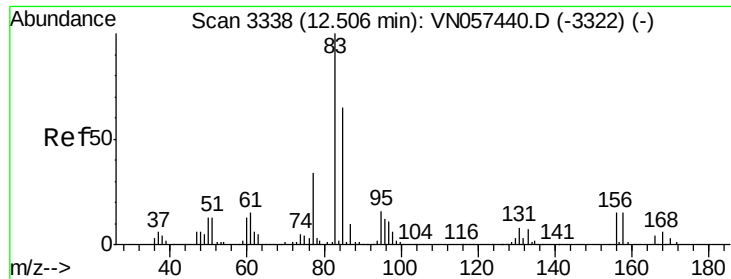
43 100

70 35.4 27.8 41.6

55 20.8 17.0 25.4

61 21.3 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.393 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

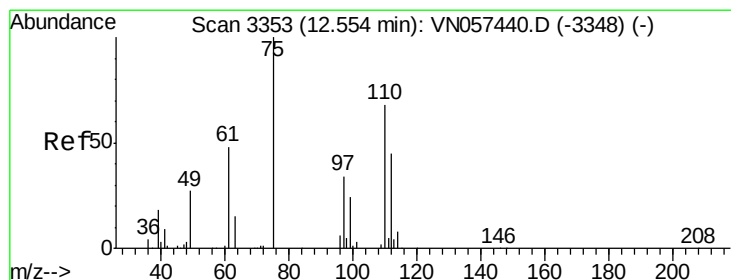
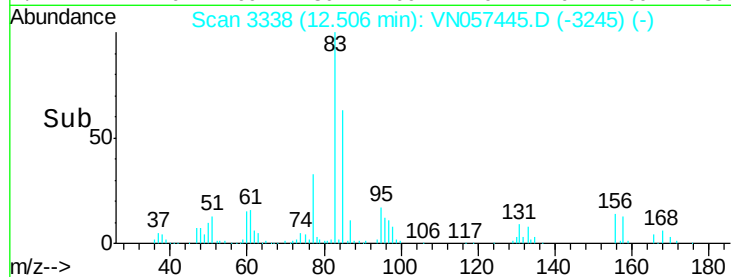
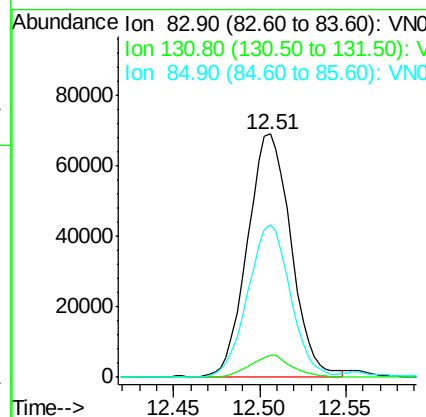
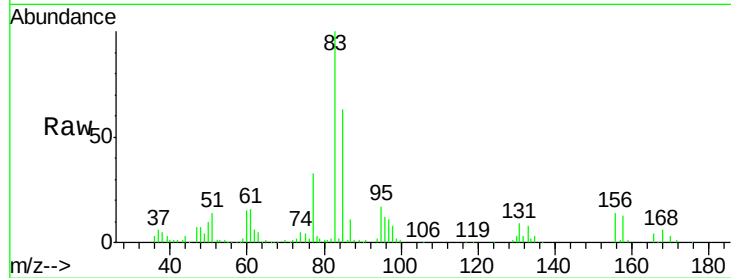
ClientSampleId :

VN0822WBS01

Tot Ion:	83	Resp:	120401
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.3	13.1
85	61.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.952 ug/l m

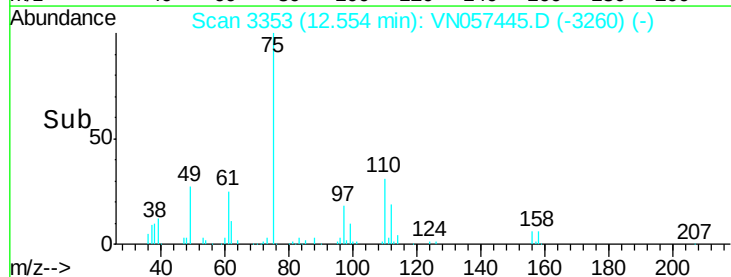
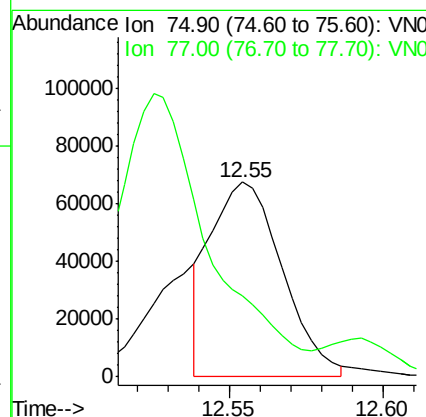
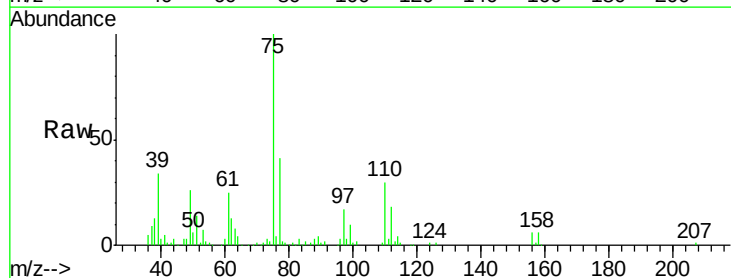
RT: 12.55 min Scan# 3353

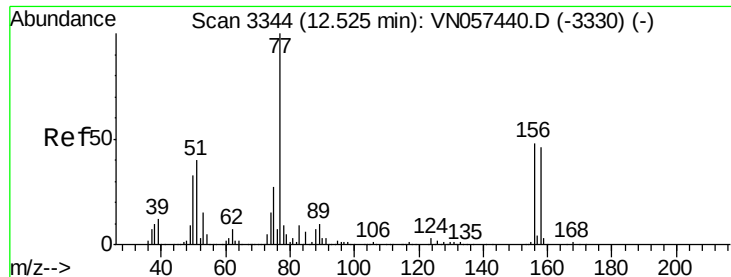
Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion:	75	Resp:	110163
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.549 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

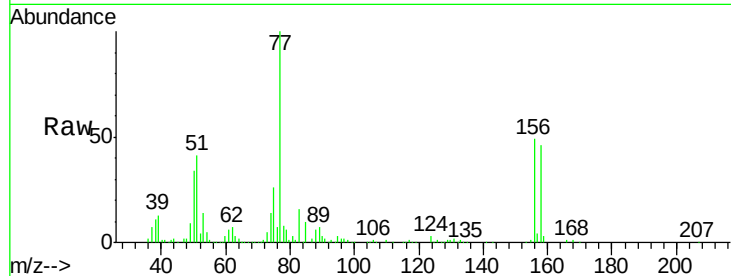
ClientSampleId :

VN0822WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	244.4	124.4	373.3
158	93.8	48.3	144.8

Manual Integrations
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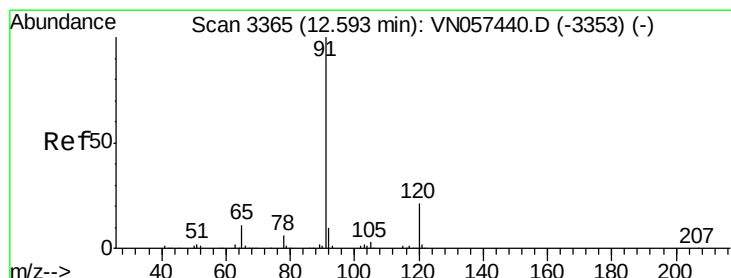
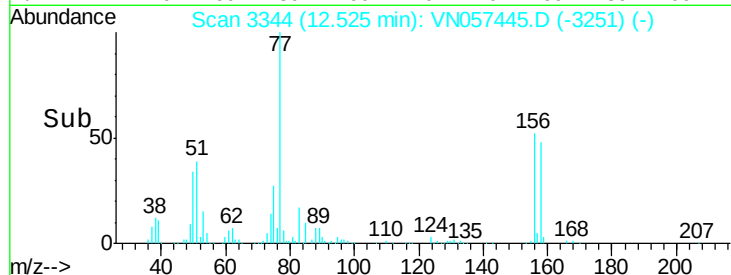
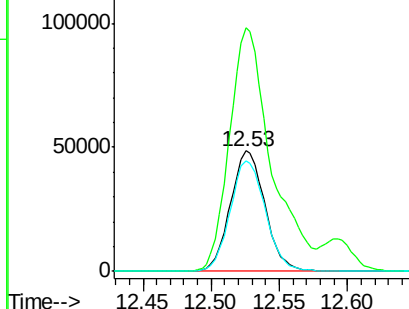
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.370 ug/l

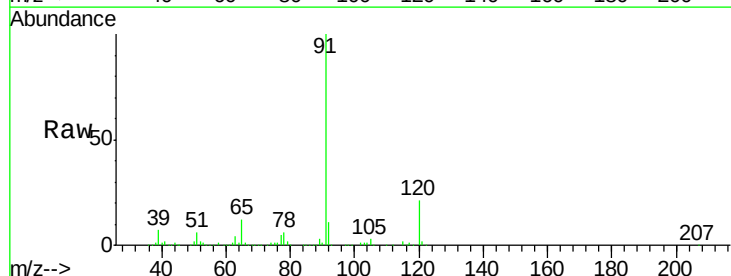
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057445.D

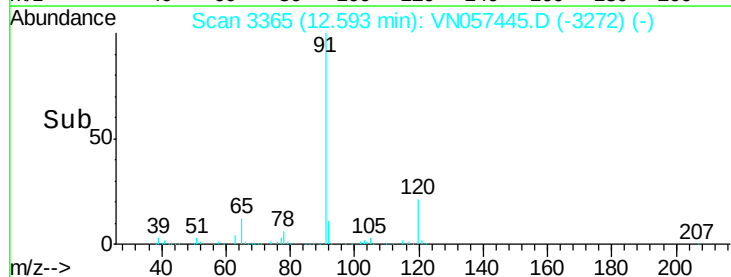
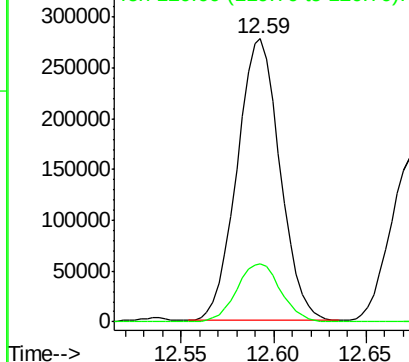
Acq: 22 Aug 2019 20:50

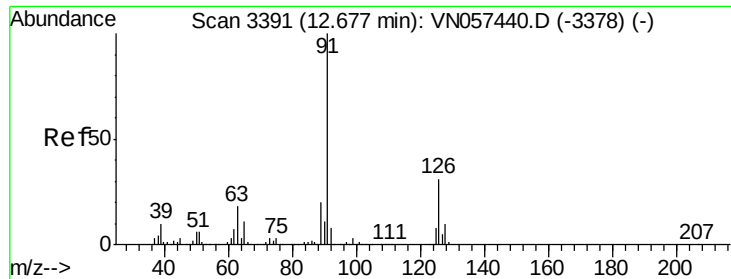
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.947 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampled :

VN0822WBS01

Tot Ion: 91 Resp: 272149

Ion Ratio Lower Upper

91 100

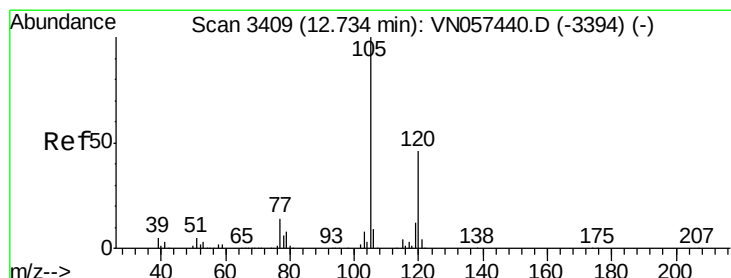
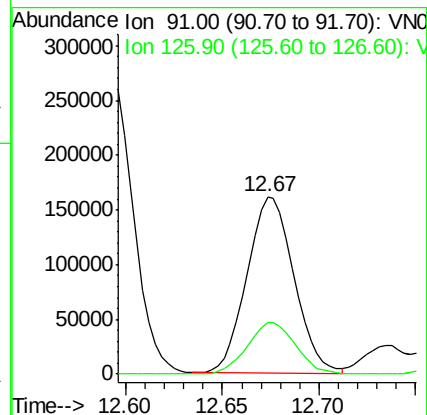
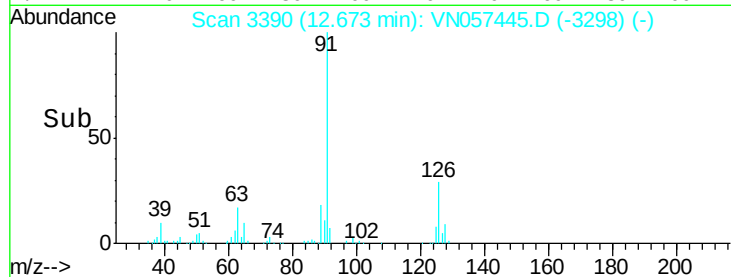
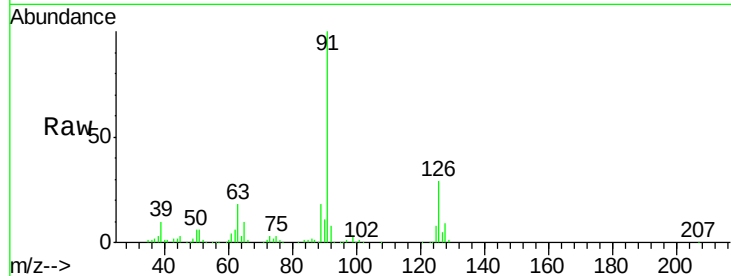
126 30.1 15.3 45.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.855 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057445.D

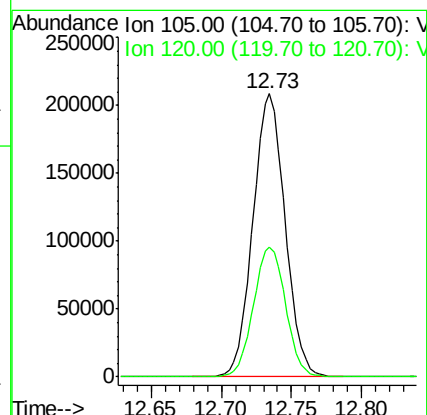
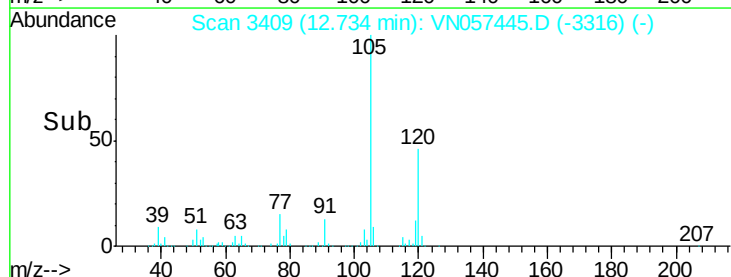
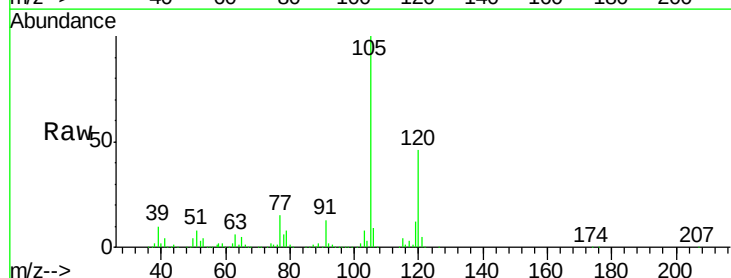
Acq: 22 Aug 2019 20:50

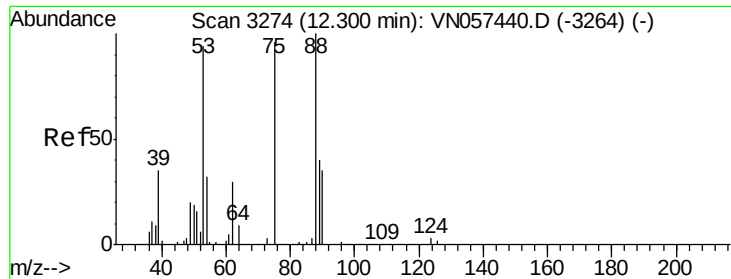
Tgt Ion: 105 Resp: 333271

Ion Ratio Lower Upper

105 100

120 45.9 23.3 69.8





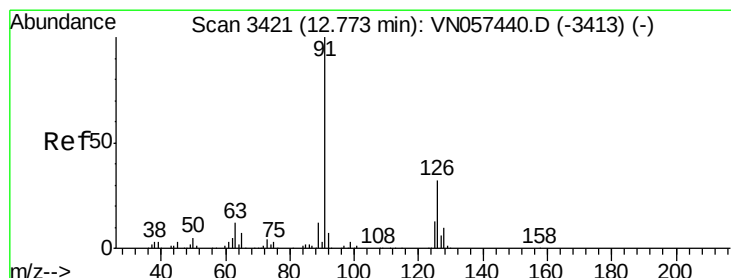
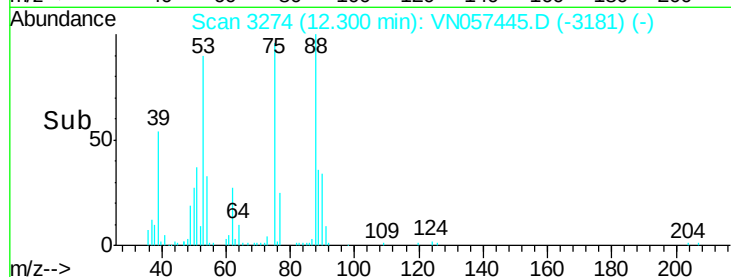
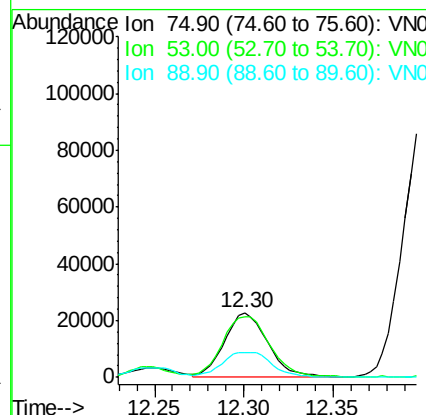
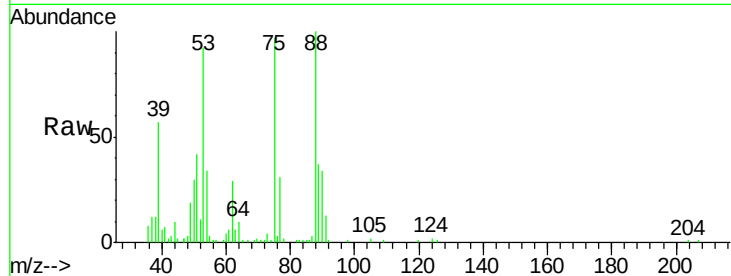
#81
trans-1,4-Dichloro-2-butene
Concen: 20.005 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.4	82.7	124.1
89	45.6	35.8	53.8

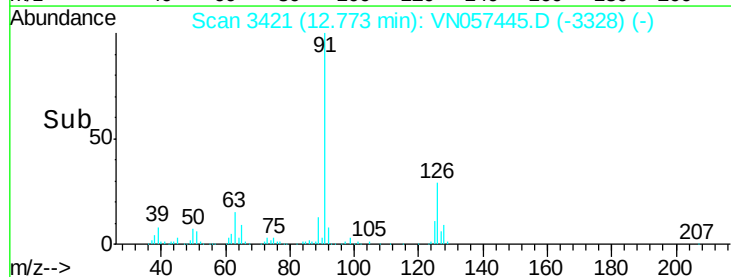
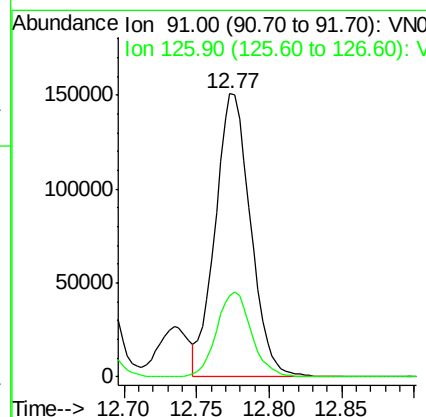
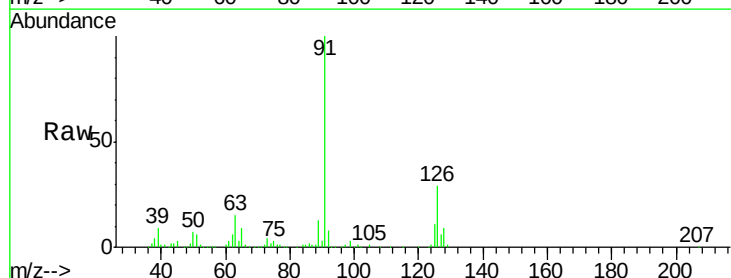
Manual Integrations
APPROVED

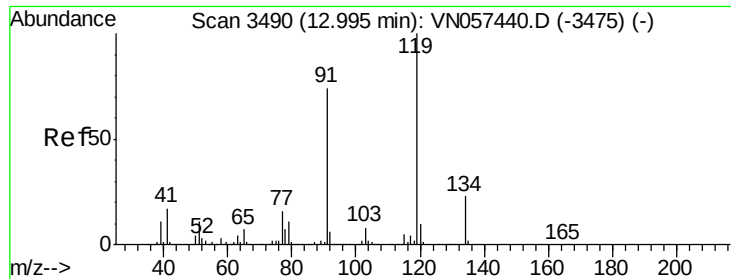
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#82
4-Chlorotoluene
Concen: 21.226 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	15.0	45.0





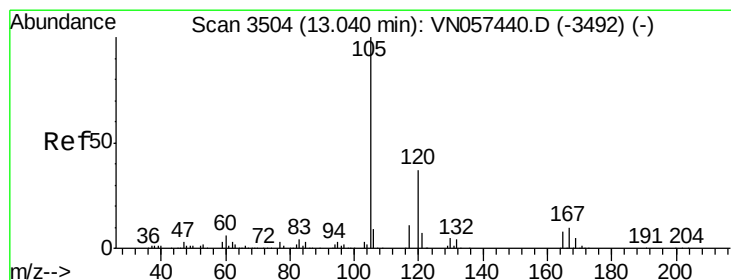
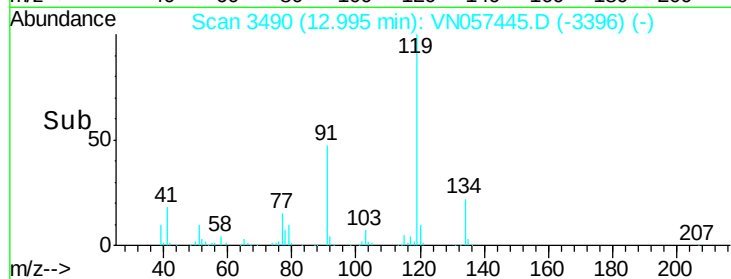
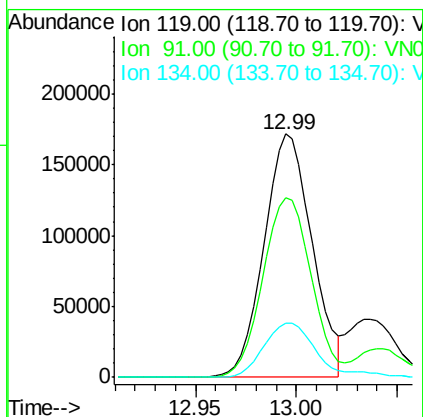
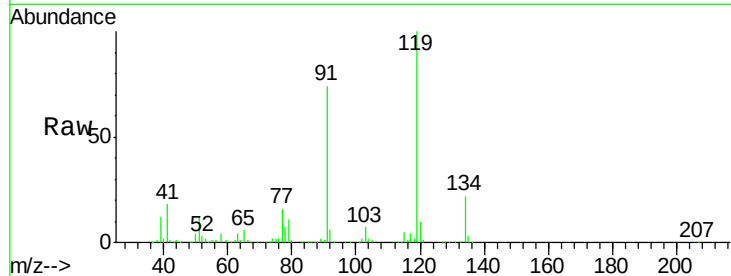
#83
tert-Butylbenzene
Concen: 21.964 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	284152		
91	74.6		37.0	111.0
134	24.7		12.2	36.6

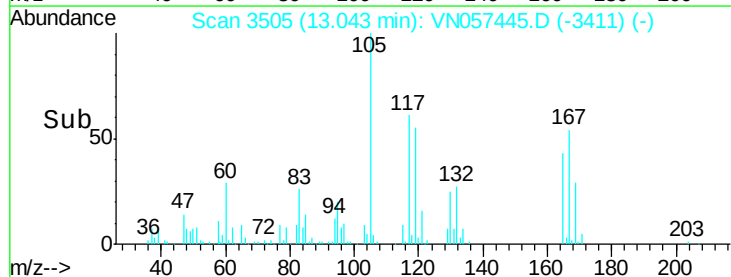
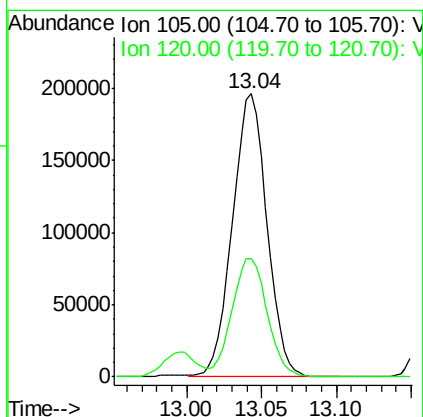
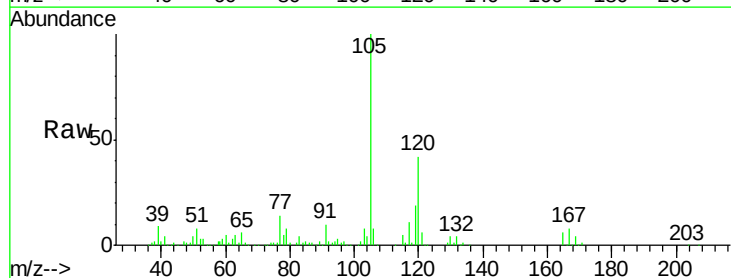
Manual Integrations
APPROVED

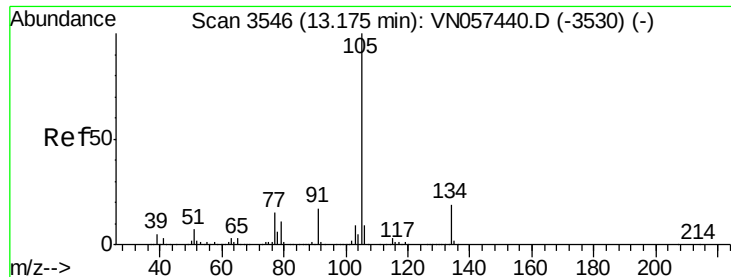
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#84
1,2,4-Trimethylbenzene
Concen: 21.095 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057445.D
Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	315164		
120	42.7		21.9	65.7





#85

sec-Butylbenzene

Concen: 21.435 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

ClientSampled :

VN0822WBS01

Tot Ion:105 Resp: 364354

Ion Ratio Lower Upper

105 100

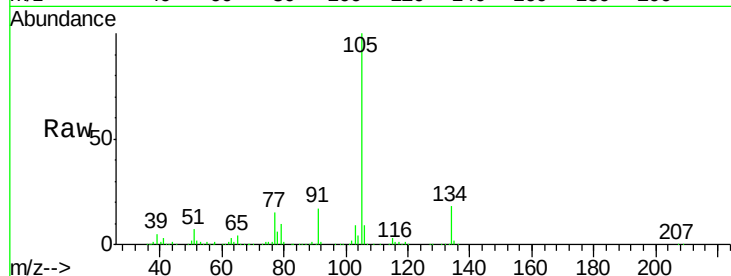
134 18.3 9.3 27.9

Manual Integrations

APPROVED

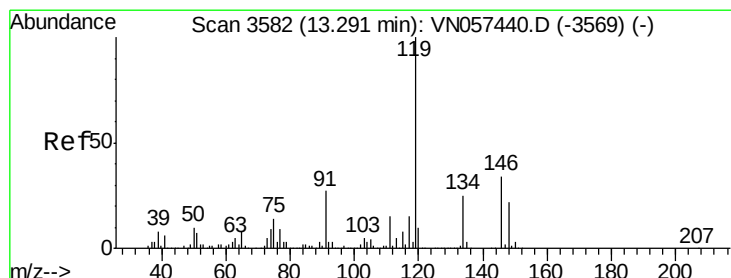
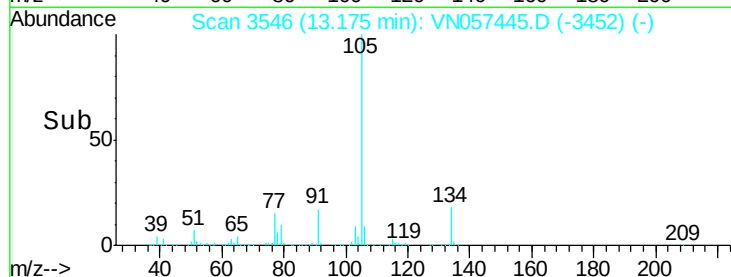
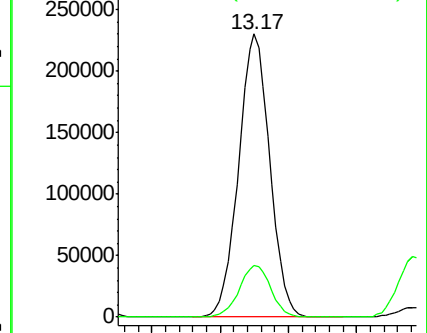
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.434 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

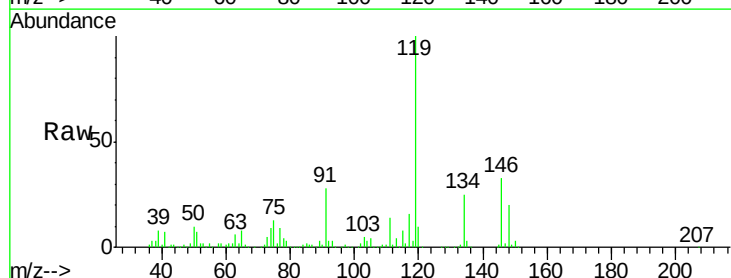
Tgt Ion:119 Resp: 306942

Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.1

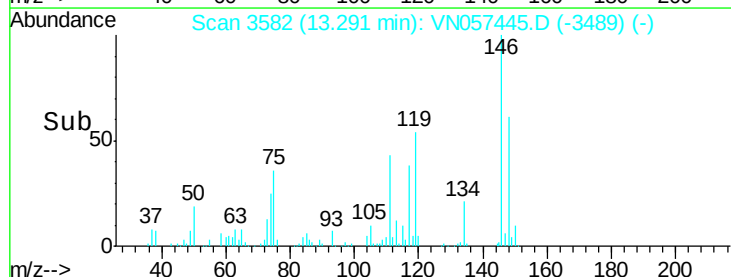
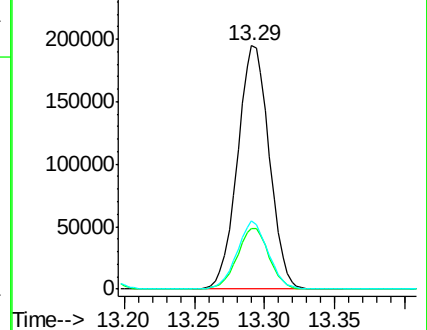
91 27.1 13.9 41.6

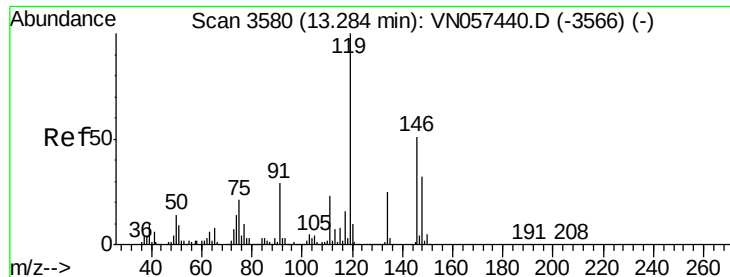


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





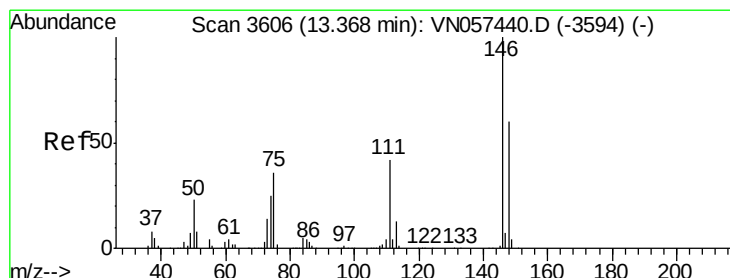
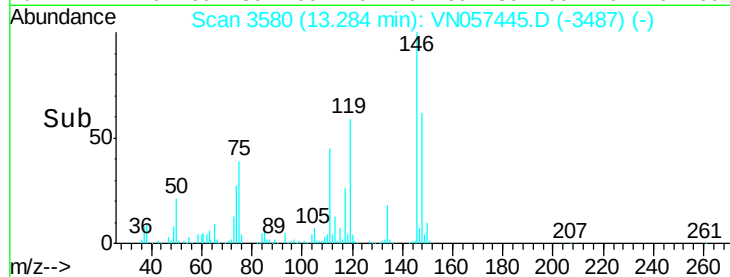
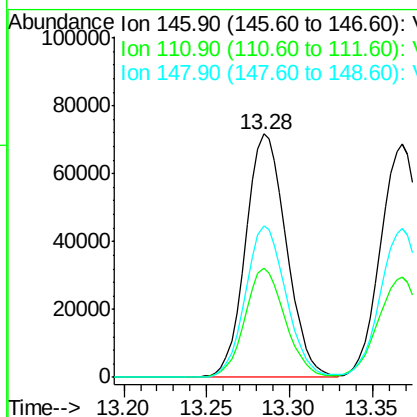
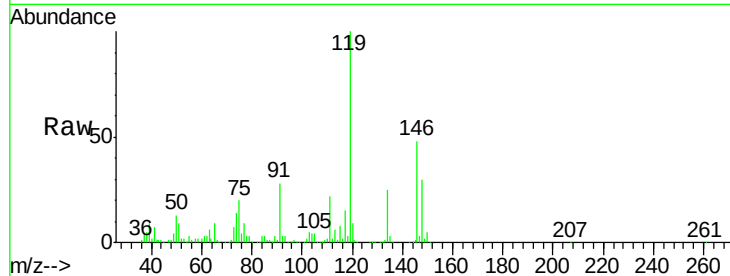
#87
 1,3-Dichlorobenzene
 Concen: 19.801 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122915		
111	44.2	22.1	66.1	
148	61.8	31.9	95.9	

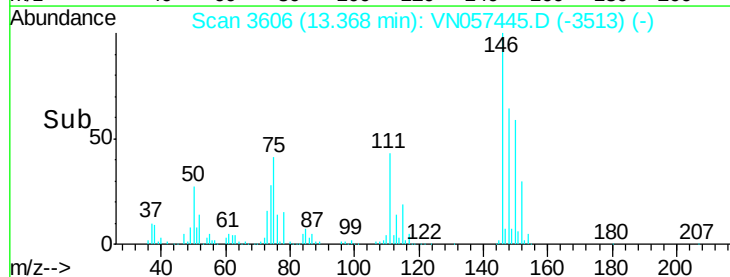
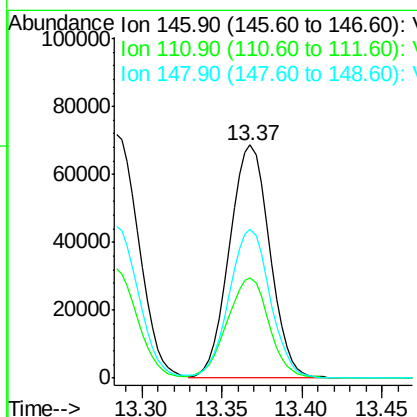
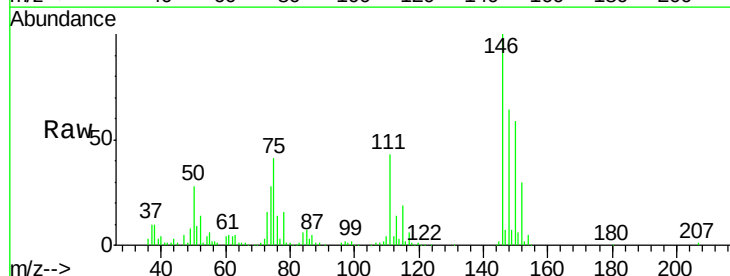
Manual Integrations
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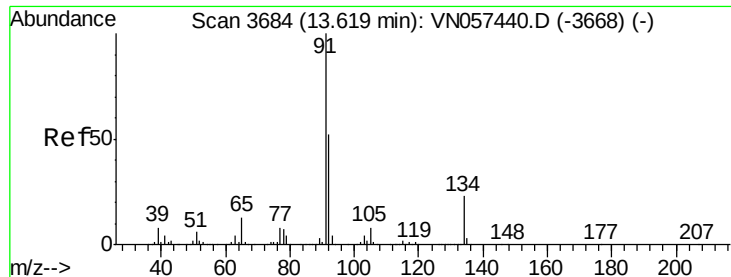
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 8/23/2019 2:40:24 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.420 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118054		
111	44.9	21.9	65.5	
148	65.3	31.1	93.2	





#89

n-Butylbenzene

Concen: 20.322 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

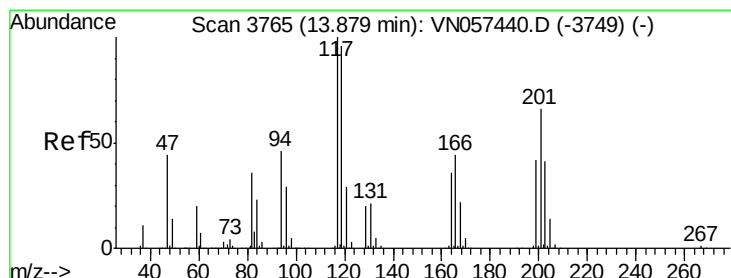
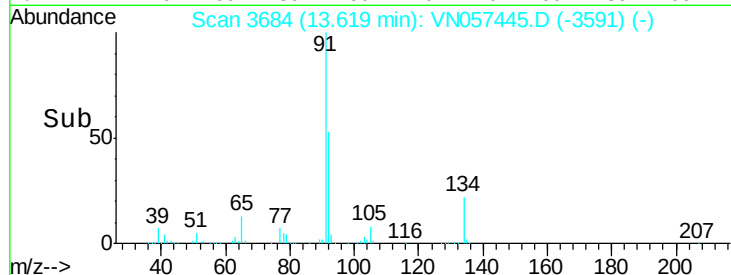
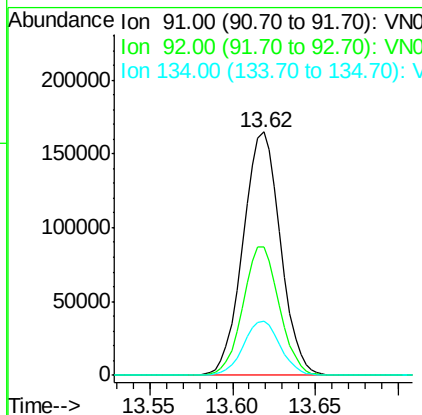
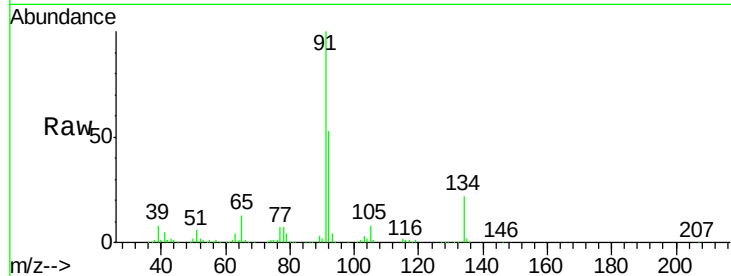
ClientSampleId :

VN0822WBS01

Tot Ion:	91	Resp:	258327
Ion Ratio	Lower	Upper	
91	100		
92	51.5	25.7	77.0
134	21.9	11.4	34.1

Manual Integrations
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#90

Hexachloroethane

Concen: 21.867 ug/l

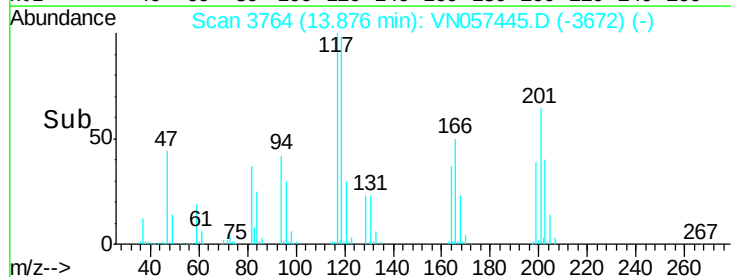
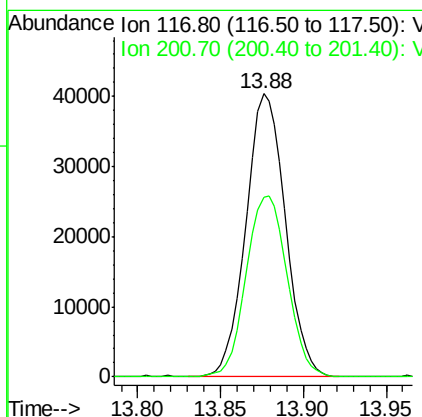
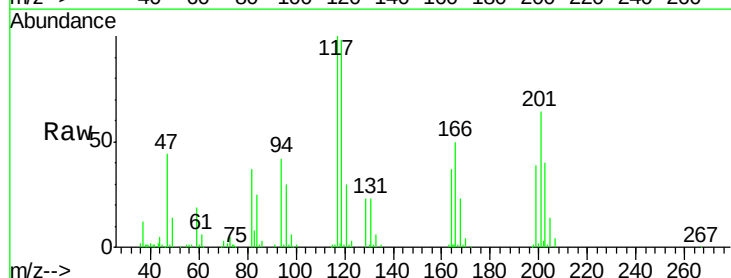
RT: 13.88 min Scan# 3764

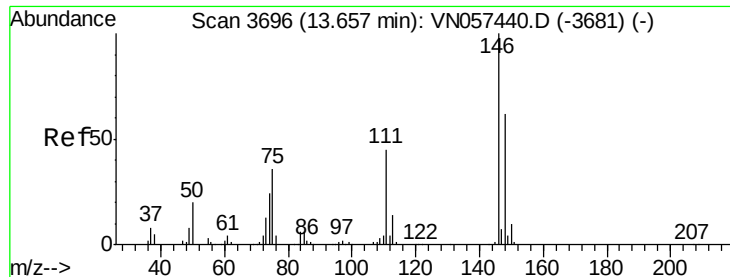
Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion:	117	Resp:	67075
Ion Ratio	Lower	Upper	
117	100		
201	66.4	33.1	99.3





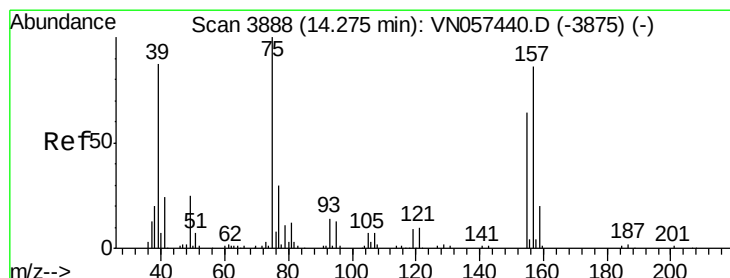
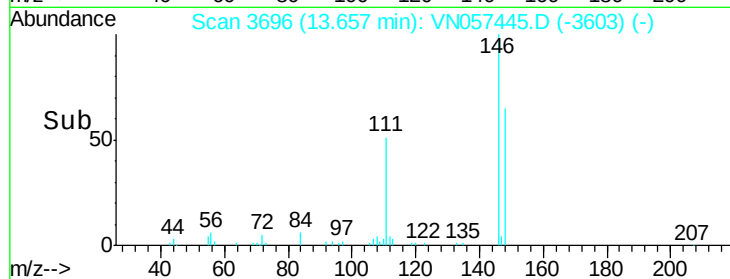
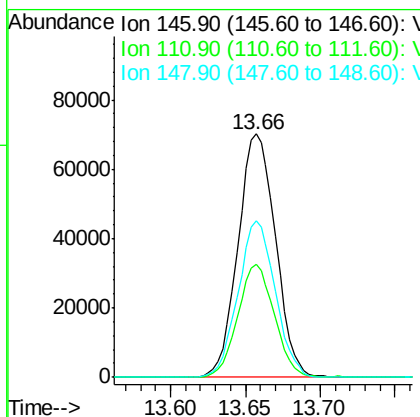
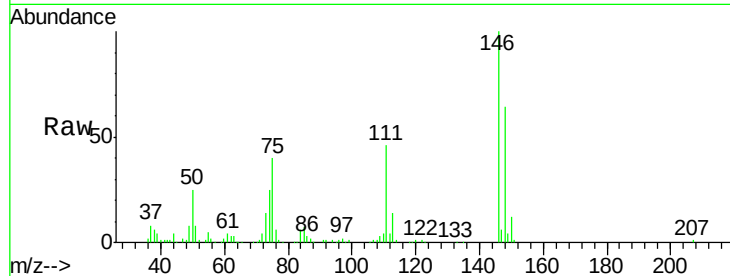
#91
 1,2-Dichlorobenzene
 Concen: 20.668 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	23.1	69.2
148	63.5	31.8	95.4

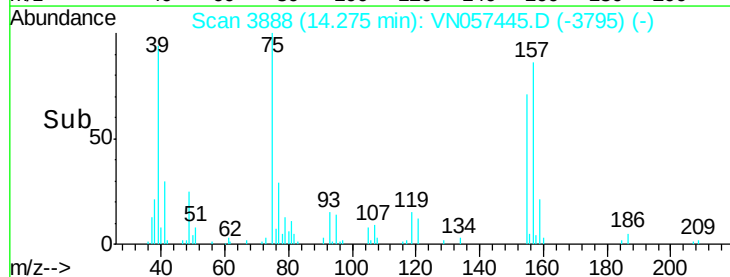
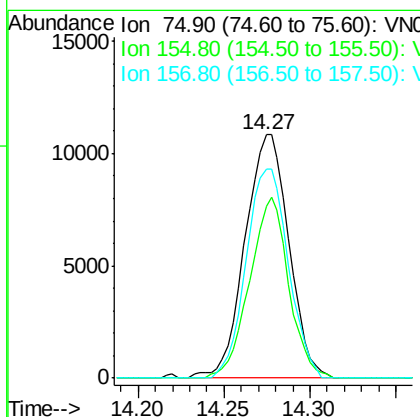
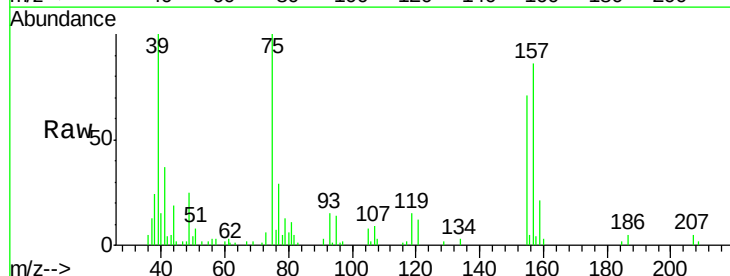
Manual Integrations
 APPROVED

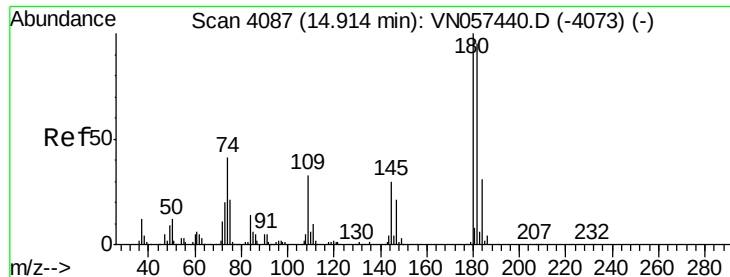
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 8/23/2019 2:40:24 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.550 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.1	31.6	94.7
157	82.8	43.3	129.8





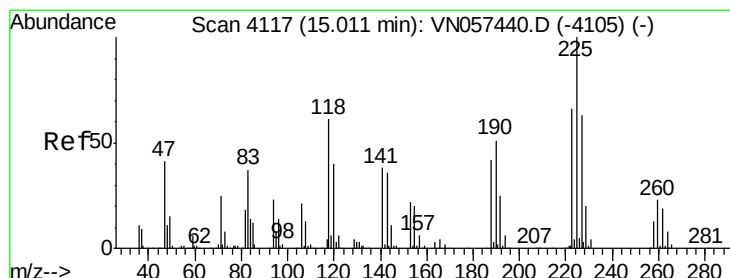
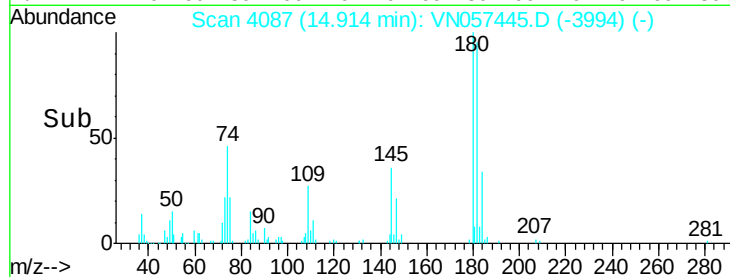
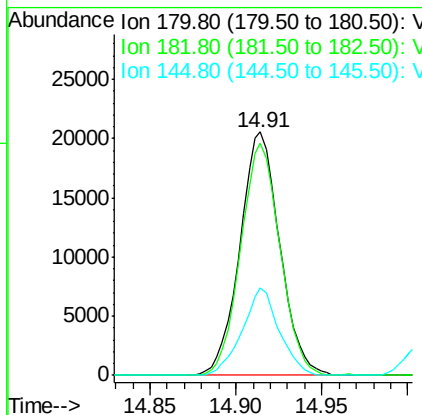
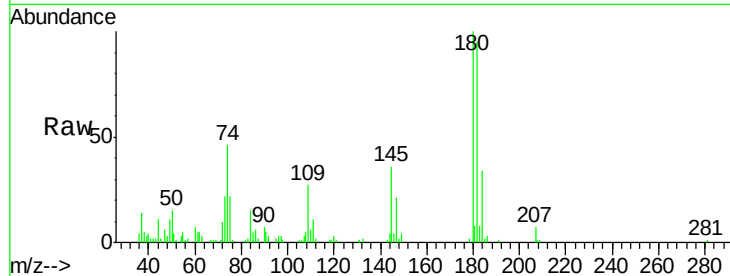
#93
 1,2,4-Trichlorobenzene
 Concen: 17.702 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	33121		
182	93.9	46.7	140.1	
145	33.2	15.6	46.8	

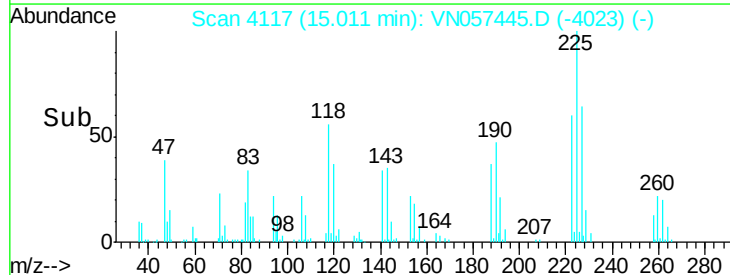
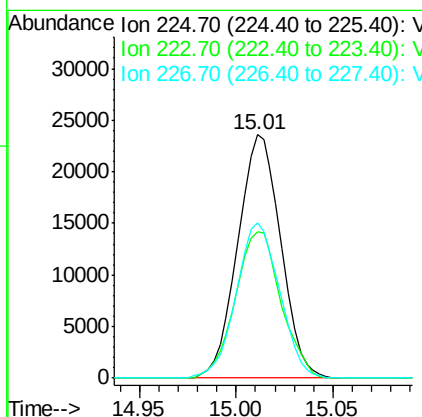
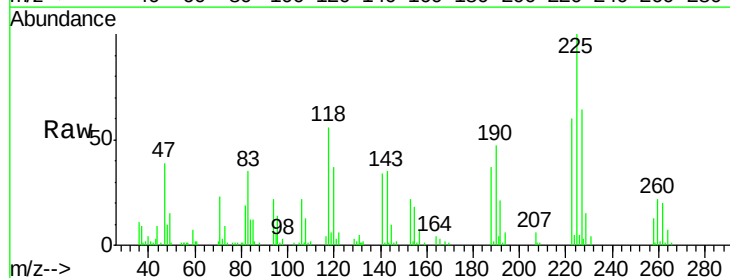
Manual Integrations
 APPROVED

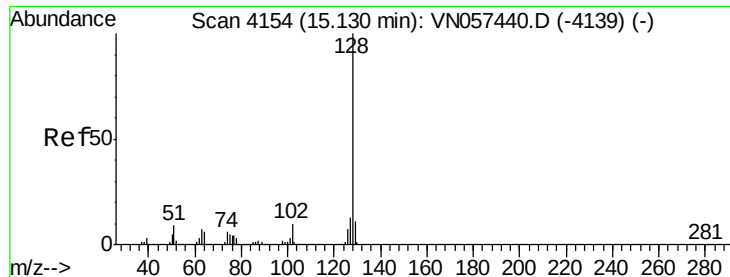
MMDadoda
 8/23/2019 2:40:24 PM



#94
 Hexachlorobutadiene
 Concen: 22.393 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057445.D
 Acq: 22 Aug 2019 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36493		
223	63.8	32.0	96.2	
227	64.2	31.5	94.5	





#95

Naphthalene

Concen: 18.097 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Instrument :

MSVOA_N

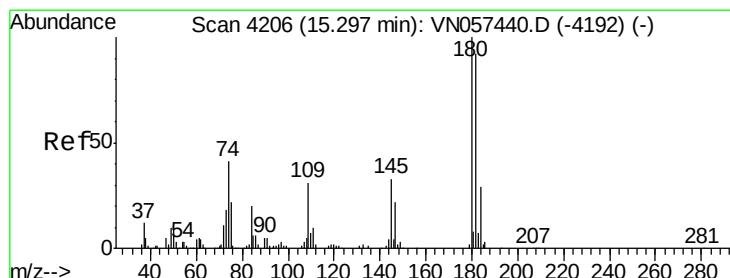
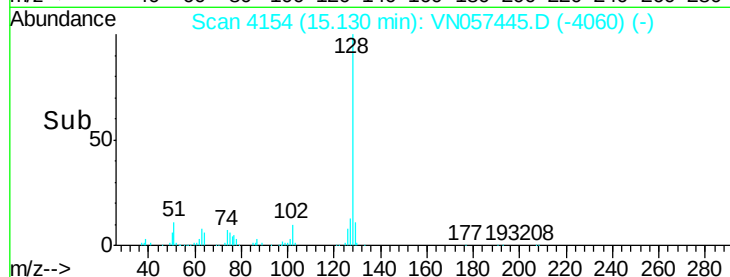
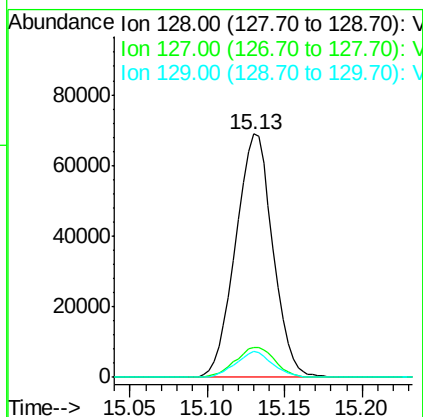
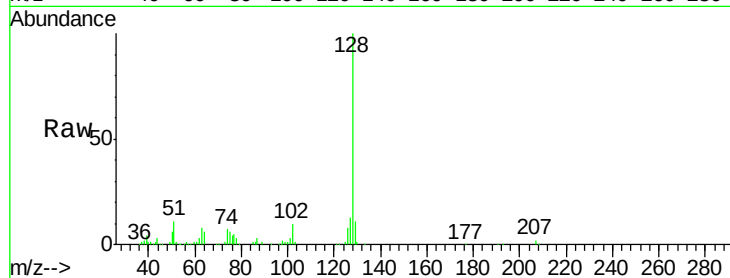
ClientSampleId :

VN0822WBS01

Tot Ion:	128	Resp:	115173
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/23/2019 2:40:24 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.272 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057445.D

Acq: 22 Aug 2019 20:50

Tgt Ion:	180	Resp:	35110
Ion Ratio	Lower	Upper	
180	100		
182	91.7	46.7	140.1
145	33.2	16.8	50.3

