

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057325.D
 Acq On : 15 Aug 2019 12:39
 Operator : JC/SP
 Sample : VN0816WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBSD01

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:54:05 AM

Quant Time: Aug 15 13:04:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	884758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1307927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1155838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	394862	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	453335	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	7.58	113	405470	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
50) Toluene-d8	10.09	98	1511299	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.40	95	477654	43.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	138742	18.224	ug/l	99
3) Chloromethane	2.06	50	166017	18.475	ug/l	98
4) Vinyl Chloride	2.18	62	158738	18.776	ug/l	99
5) Bromomethane	2.54	94	121839	20.217	ug/l	98
6) Chloroethane	2.69	64	108359	18.633	ug/l	98
7) Trichlorofluoromethane	3.02	101	253747	19.135	ug/l	99
8) Diethyl Ether	3.40	74	92420	18.517	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147917	18.985	ug/l	98
10) Methyl Iodide	3.95	142	237917	19.104	ug/l	100
11) Tert butyl alcohol	4.76	59	120479	88.109	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	147259	18.970	ug/l	96
13) Acrolein	3.60	56	73727	88.818	ug/l	99
14) Allyl chloride	4.32	41	226666	18.216	ug/l	99
15) Acrylonitrile	4.97	53	346961	93.462	ug/l	98
16) Acetone	3.80	43	273838	82.072	ug/l	100
17) Carbon Disulfide	4.05	76	381142	18.225	ug/l	100
18) Methyl Acetate	4.31	43	187788	19.592	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	459941	18.883	ug/l	99
20) Methylene Chloride	4.55	84	170719	18.287	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	158144	18.944	ug/l	98
22) Diisopropyl ether	5.94	45	470027	19.121	ug/l	99
23) Vinyl Acetate	5.88	43	1855676	93.801	ug/l	100
24) 1,1-Dichloroethane	5.84	63	286548	18.948	ug/l	99
25) 2-Butanone	6.82	43	430861	89.174	ug/l	95
26) 2,2-Dichloropropane	6.81	77	226420	18.525	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	186029	18.823	ug/l	99
28) Bromochloromethane	7.18	49	133078	19.805	ug/l #	97
29) Tetrahydrofuran	7.20	42	280645	91.782	ug/l	100
30) Chloroform	7.36	83	297150	18.750	ug/l	95
31) Cyclohexane	7.65	56	243789	18.602	ug/l	92
32) 1,1,1-Trichloroethane	7.56	97	260570	19.548	ug/l	98
36) 1,1-Dichloropropene	7.79	75	213944	18.526	ug/l	98
37) Ethyl Acetate	6.91	43	177686	18.786	ug/l	100
38) Carbon Tetrachloride	7.77	117	229267	19.108	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	247975	18.390	ug/l	99
40) Benzene	8.03	78	676429	19.151	ug/l	99
41) Methacrylonitrile	7.17	41	92804m	21.788	ug/l	
42) 1,2-Dichloroethane	8.12	62	223897	19.152	ug/l	100
43) Isopropyl Acetate	8.16	43	353836	19.774	ug/l	96
44) Trichloroethene	8.83	130	190405	19.174	ug/l	97
45) 1,2-Dichloropropane	9.11	63	172481	18.945	ug/l	98
46) Dibromomethane	9.20	93	114342	18.825	ug/l	100
47) Bromodichloromethane	9.40	83	227042	18.866	ug/l	98
48) Methyl methacrylate	9.19	41	141397	18.154	ug/l	97
49) 1,4-Dioxane	9.19	88	57001	348.002	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	880043	90.189	ug/l	99
52) Toluene	10.15	92	419030	19.060	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	237493	18.245	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	268736	18.722	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	166869	19.302	ug/l	99
56) Ethyl methacrylate	10.43	69	229674	18.205	ug/l	100
57) 1,3-Dichloropropane	10.70	76	271345	18.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	279181	86.284	ug/l	99
59) 2-Hexanone	10.75	43	618462	88.162	ug/l	100
60) Dibromochloromethane	10.90	129	184824	19.078	ug/l	100
61) 1,2-Dibromoethane	11.00	107	171274	18.598	ug/l	98
64) Tetrachloroethene	10.63	164	194401	19.456	ug/l	99
65) Chlorobenzene	11.43	112	453243	19.226	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	174820	19.364	ug/l	98
67) Ethyl Benzene	11.51	91	787372	19.091	ug/l	99
68) m/p-Xylenes	11.62	106	577906	38.031	ug/l	99
69) o-Xylene	11.95	106	287602	19.276	ug/l	100
70) Styrene	11.96	104	445221	18.720	ug/l	99
71) Bromoform	12.13	173	137912	19.363	ug/l #	98
73) Isopropylbenzene	12.25	105	764654	22.488	ug/l	100
74) N-amyl acetate	12.07	43	215307	18.791	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	214931	21.981	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	178188m	21.871	ug/l	
77) Bromobenzene	12.53	156	194023	21.703	ug/l	99
78) n-propylbenzene	12.59	91	733209	19.283	ug/l	99
79) 2-Chlorotoluene	12.67	91	479066	21.709	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	617175	21.931	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	62934	19.435	ug/l	95
82) 4-Chlorotoluene	12.77	91	423548	18.797	ug/l	98
83) tert-Butylbenzene	12.99	119	559538	22.289	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	570230	20.050	ug/l	99
85) sec-Butylbenzene	13.17	105	659494	21.206	ug/l	100
86) p-Isopropyltoluene	13.29	119	560822	19.260	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	265054	19.159	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	250232	19.054	ug/l	99
89) n-Butylbenzene	13.62	91	426448	20.543	ug/l	99
90) Hexachloroethane	13.88	117	115431	22.004	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	256853	19.916	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24109	17.122	ug/l	97

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ClientSampleId :
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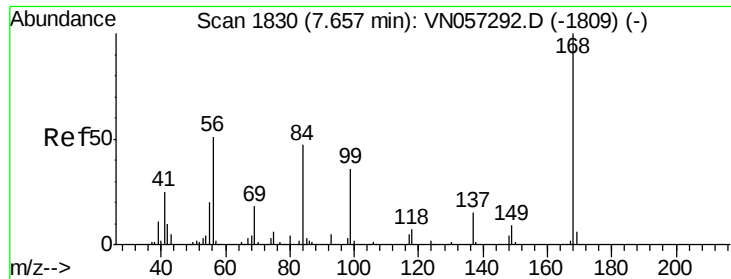
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59141	15.595	ug/l	98
94) Hexachlorobutadiene	15.01	225	115534	20.718	ug/l	98
95) Naphthalene	15.13	128	122833	19.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	57500	18.229	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion:168 Resp: 884758

Ion Ratio Lower Upper

168 100

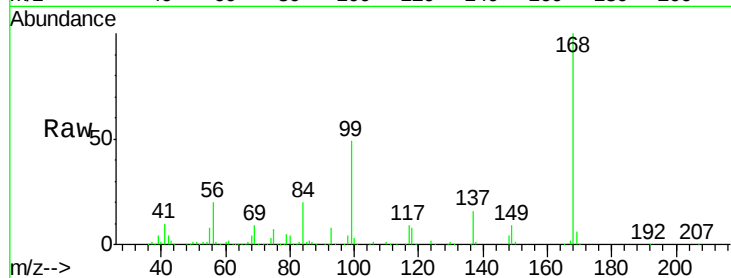
99 49.0 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

400000

300000

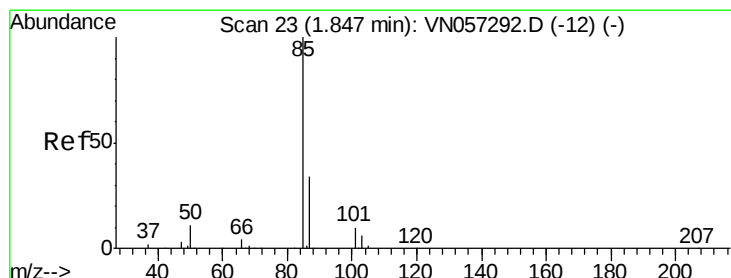
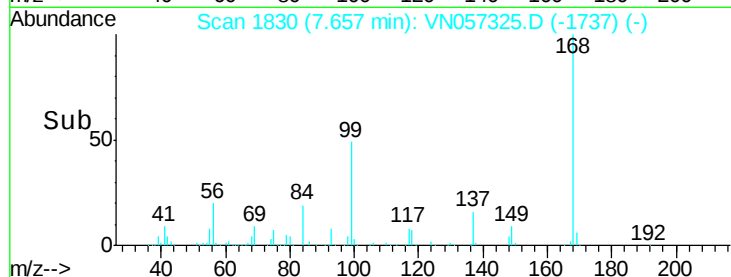
200000

100000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.224 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057325.D

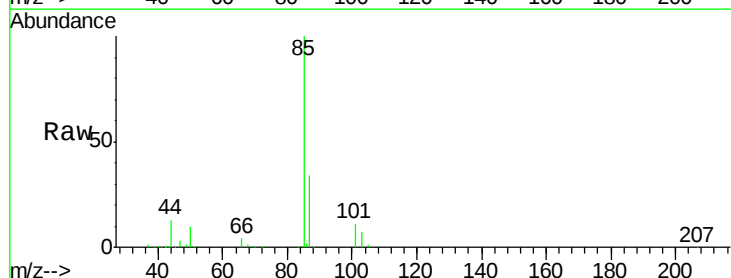
Acq: 15 Aug 2019 12:39

Tgt Ion: 85 Resp: 138742

Ion Ratio Lower Upper

85 100

87 34.2 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

60000

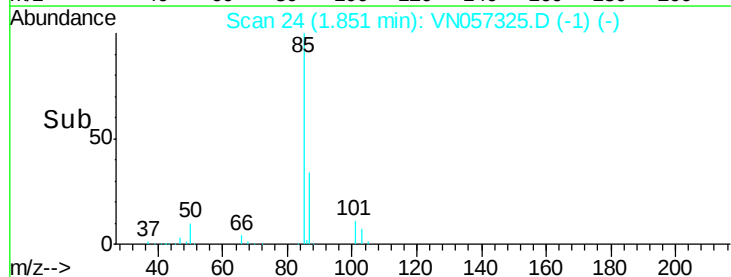
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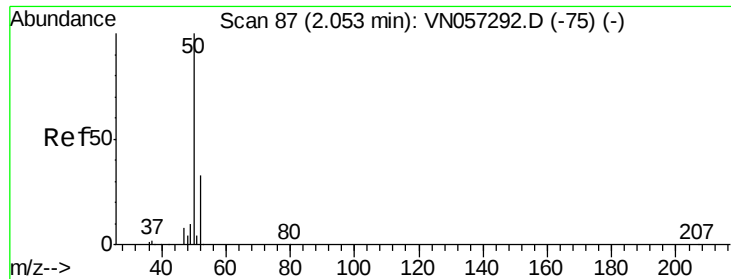
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.475 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 50 Resp: 166017

Ion Ratio Lower Upper

50 100

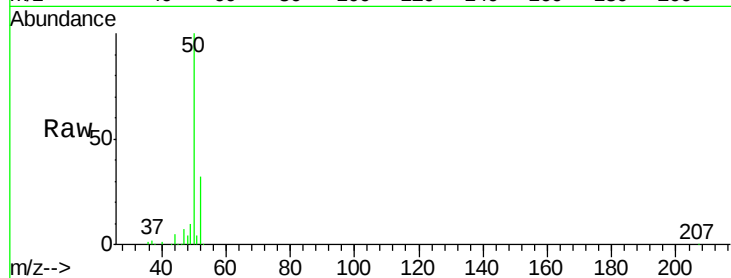
52 32.4 26.8 40.2

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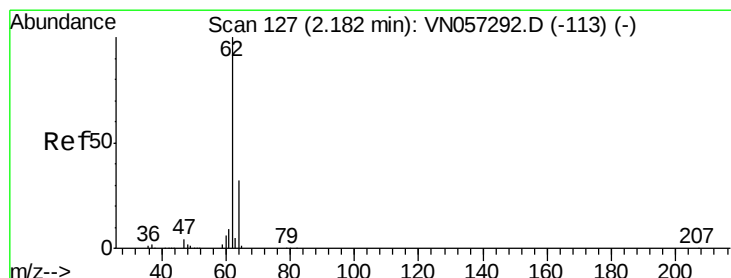
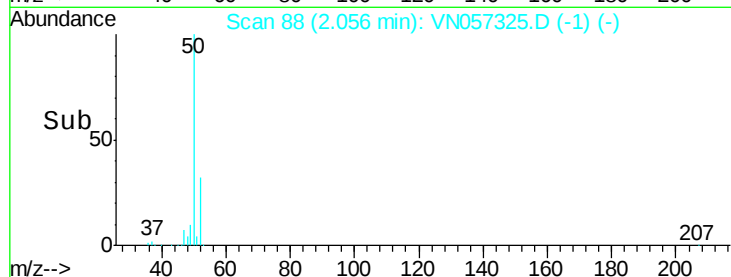
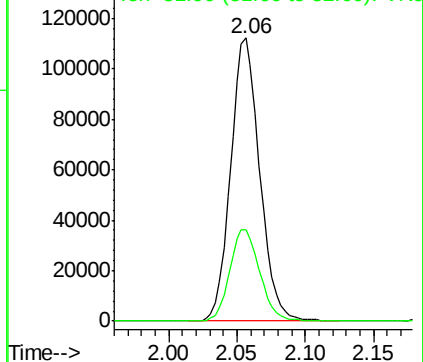
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.776 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057325.D

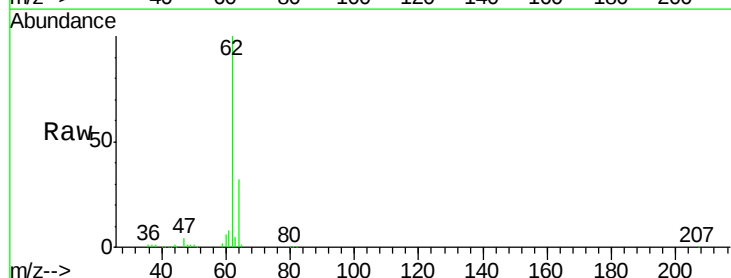
Acq: 15 Aug 2019 12:39

Tgt Ion: 62 Resp: 158738

Ion Ratio Lower Upper

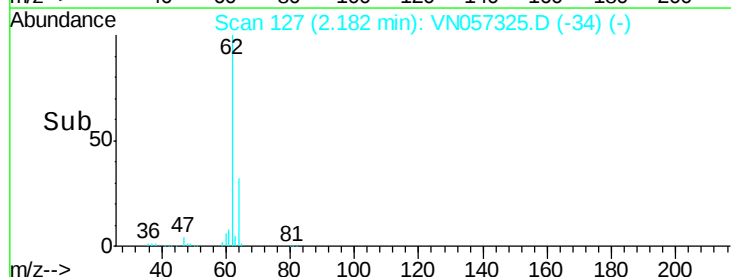
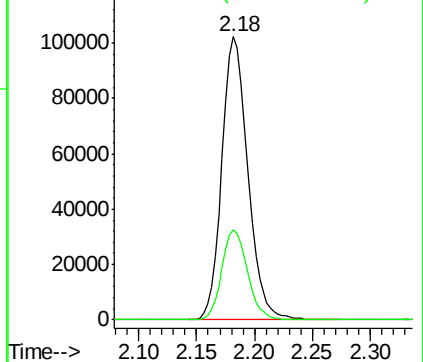
62 100

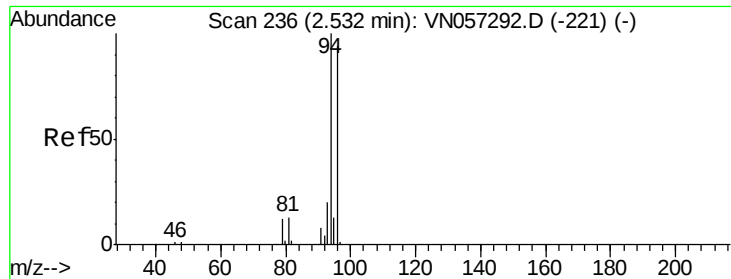
64 31.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 20.217 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 94 Resp: 121839

Ion Ratio Lower Upper

94 100

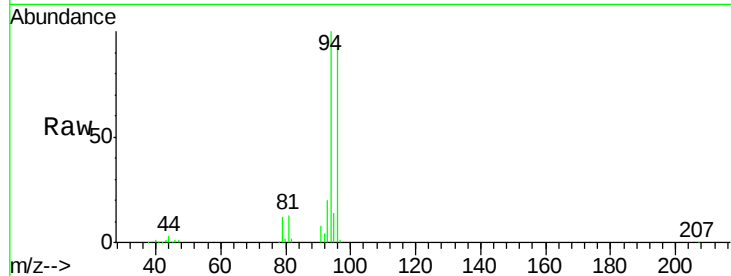
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Manual Integrations

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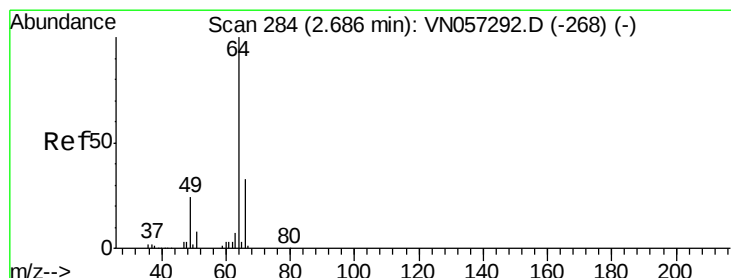
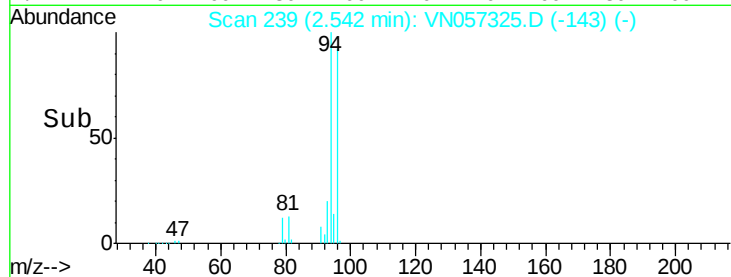
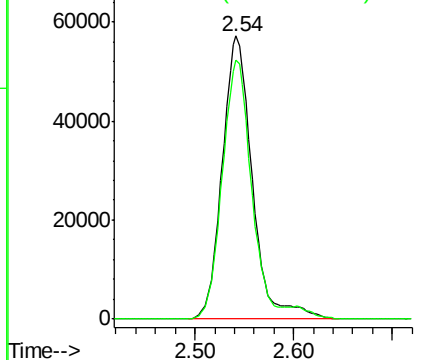
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.633 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057325.D

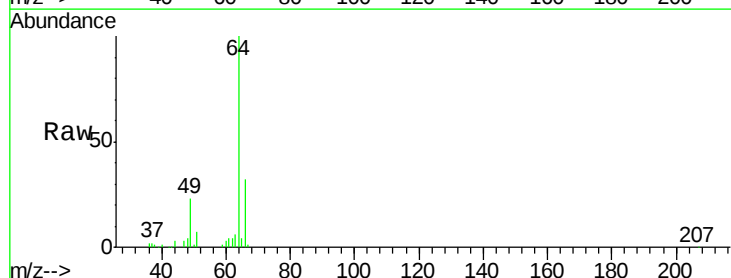
Acq: 15 Aug 2019 12:39

Tgt Ion: 64 Resp: 108359

Ion Ratio Lower Upper

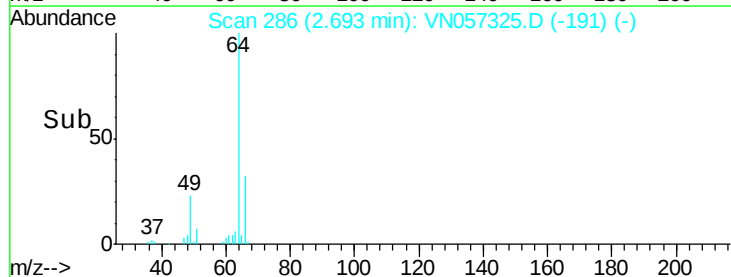
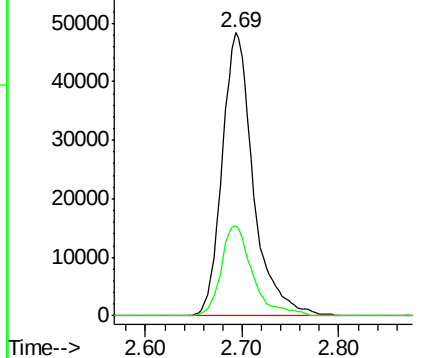
64 100

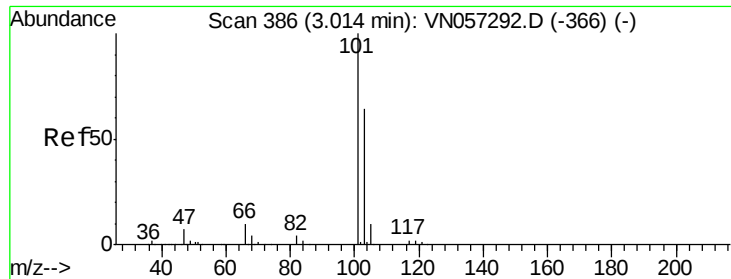
66 32.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

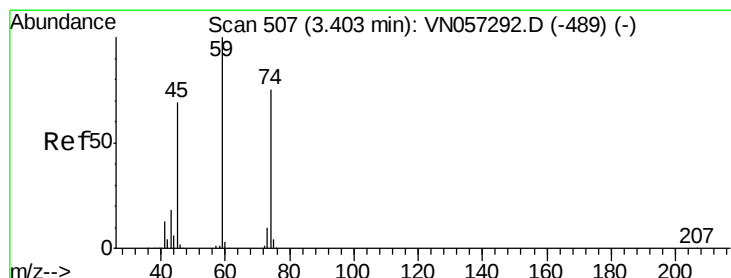
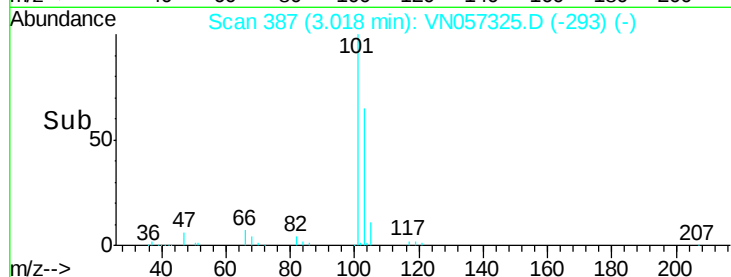
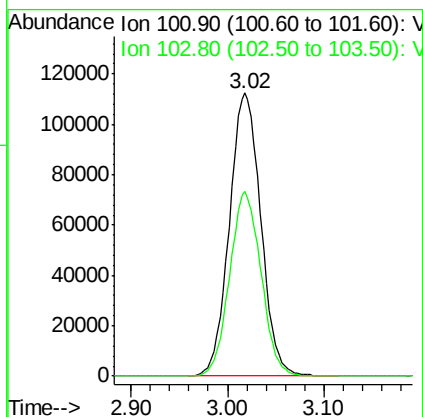
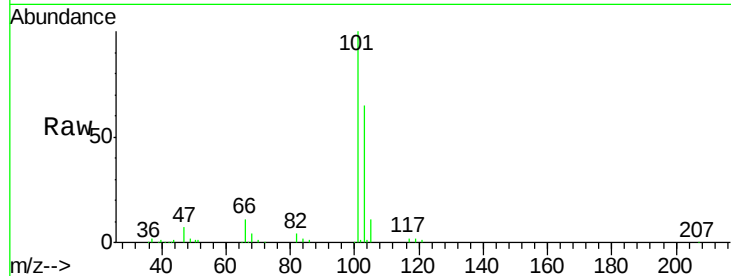
Trichlorofluoromethane
 Concen: 19.135 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Instrument :
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 ClientSampleId :
 VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.5	77.3

Manual Integrations
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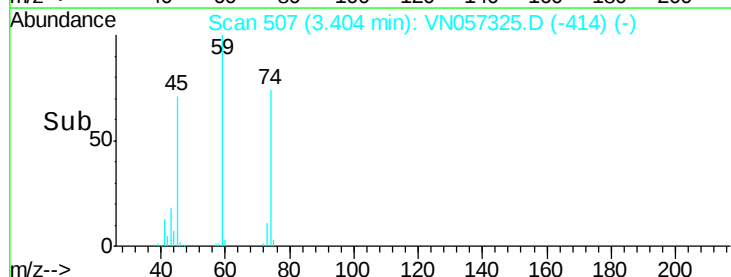
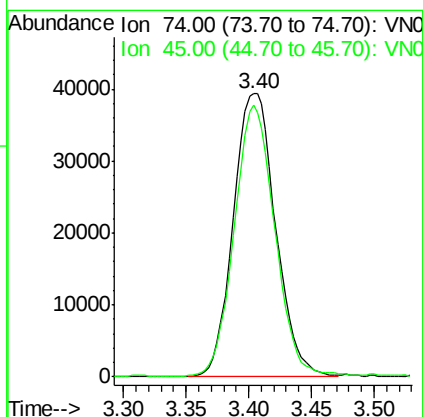
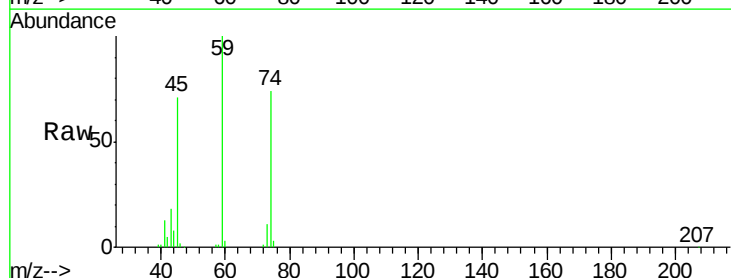
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 8/19/2019 1:54:05 AM

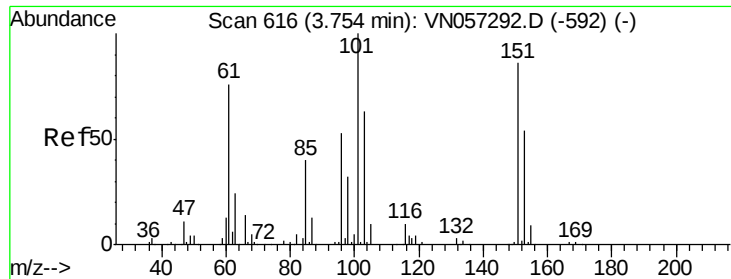


#8

Diethyl Ether
 Concen: 18.517 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.985 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

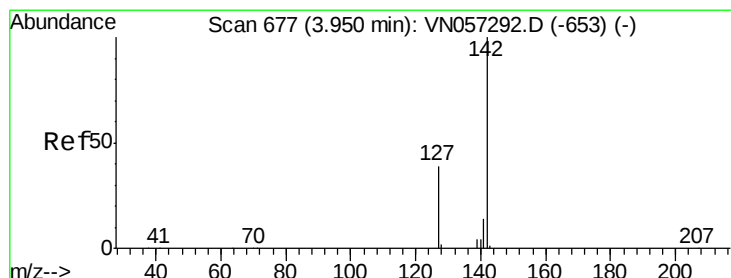
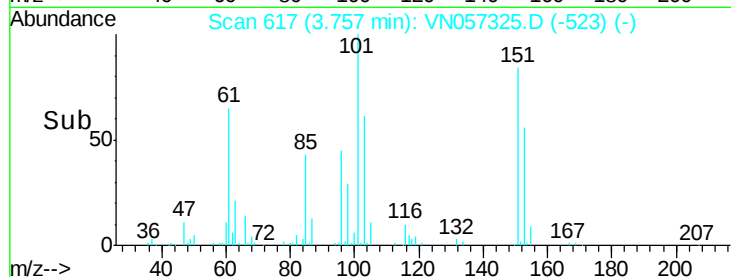
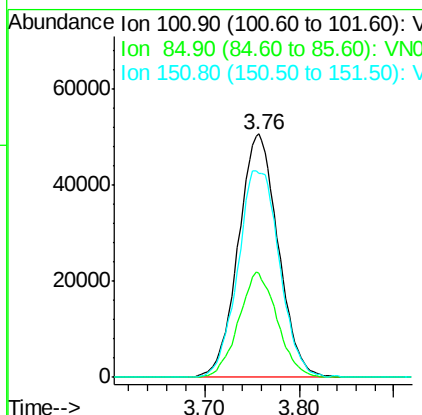
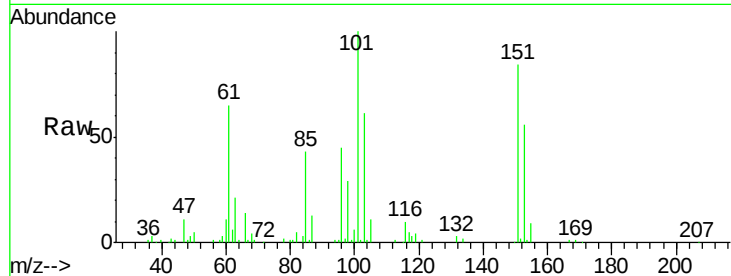
ClientSampleId :

VN0816WBSD01

Tot Ion:	101	Resp:	147917
Ion Ratio	Lower	Upper	
101	100		
85	41.7	32.7	49.1
151	88.9	69.1	103.7

Manual Integrations
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MMdadoda
8/19/2019 1:54:05 AM



#10

Methyl Iodide

Concen: 19.104 ug/l

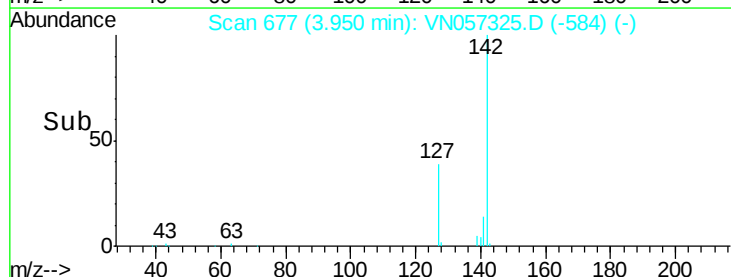
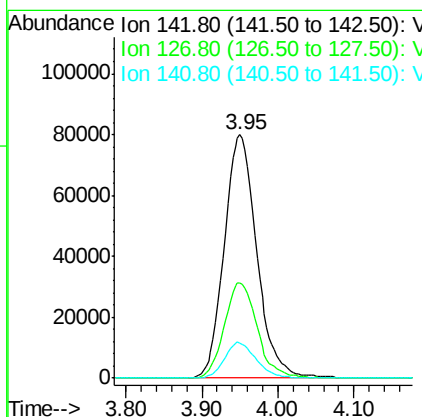
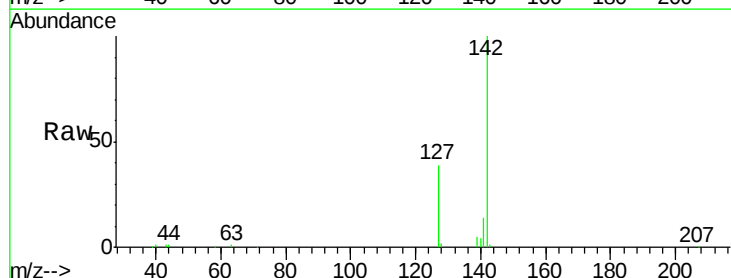
RT: 3.95 min Scan# 677

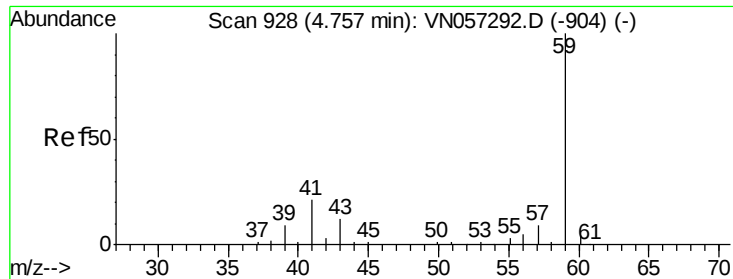
Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion:	142	Resp:	237917
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.6	47.4
141	14.2	11.2	16.8





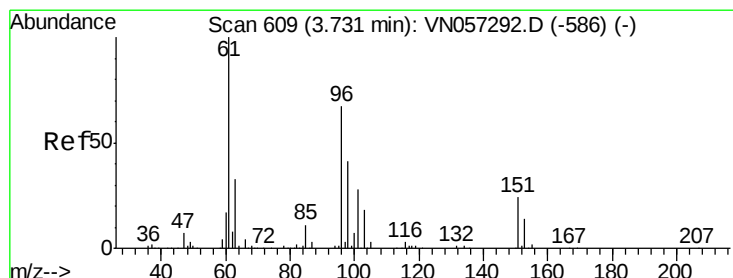
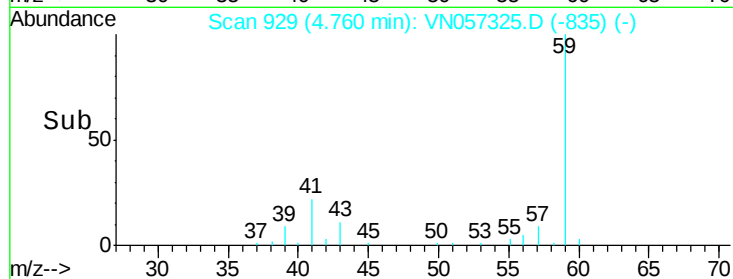
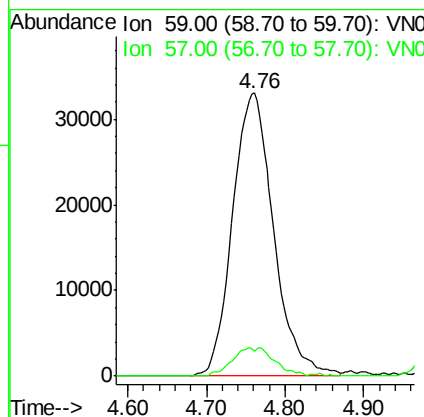
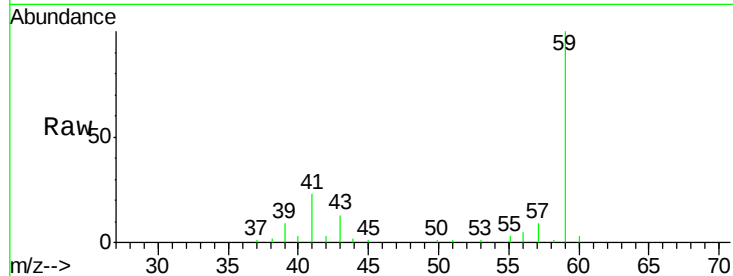
#11
Tert butyl alcohol
Concen: 88.109 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.2	12.2#

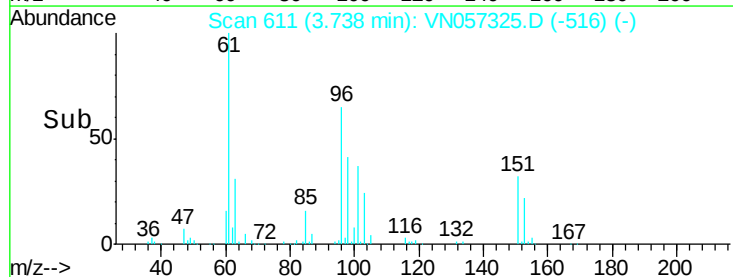
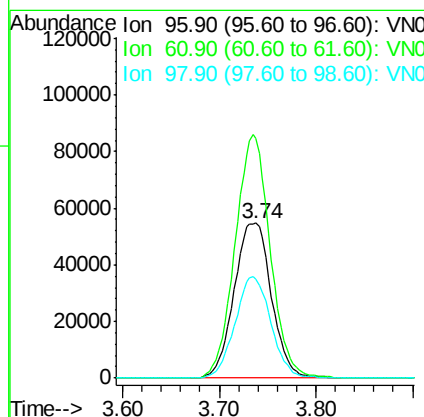
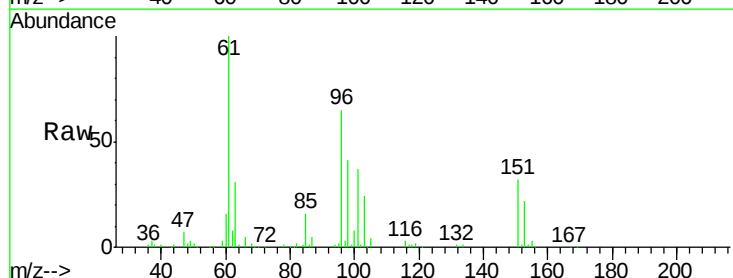
Manual Integrations
APPROVED

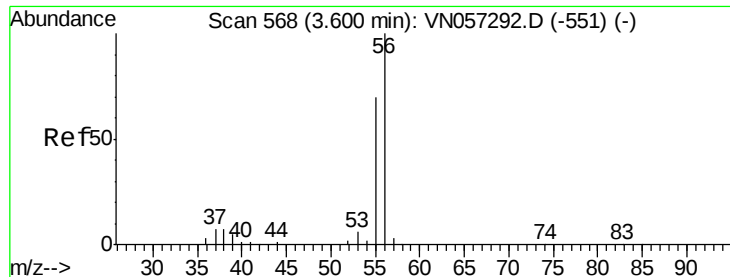
MMdadoda
8/19/2019 1:54:05 AM



#12
1,1-Dichloroethene
Concen: 18.970 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.9	119.7	179.5
98	63.8	49.0	73.4





#13

Acrolein

Concen: 88.818 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 56 Resp: 73727

Ion Ratio Lower Upper

56 100

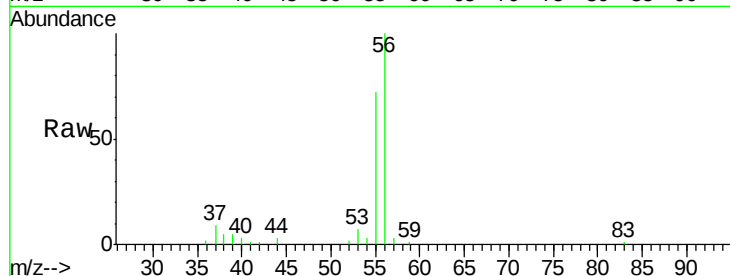
55 71.2 56.6 84.8

Manual Integrations

APPROVED

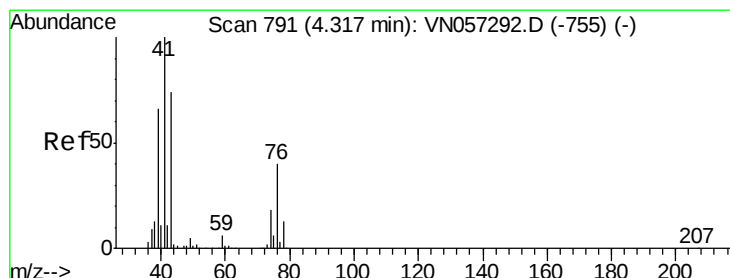
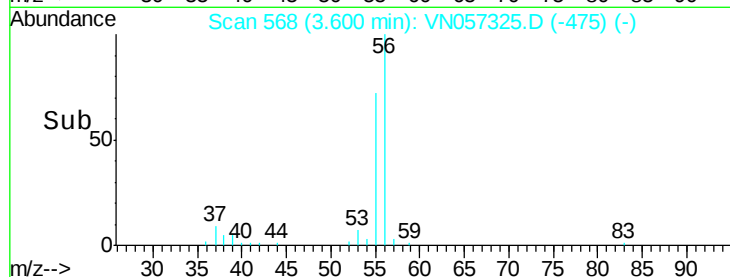
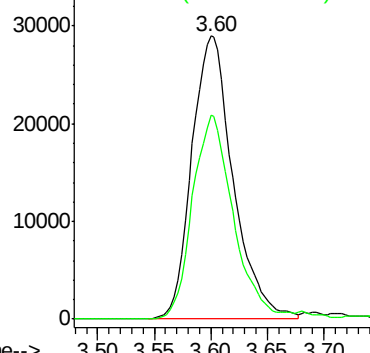
MMdadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.216 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

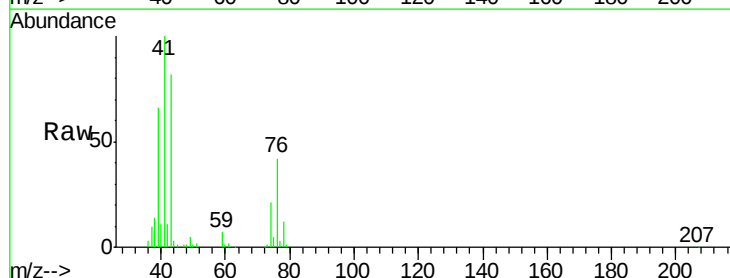
Tgt Ion: 41 Resp: 226666

Ion Ratio Lower Upper

41 100

39 61.8 49.0 73.6

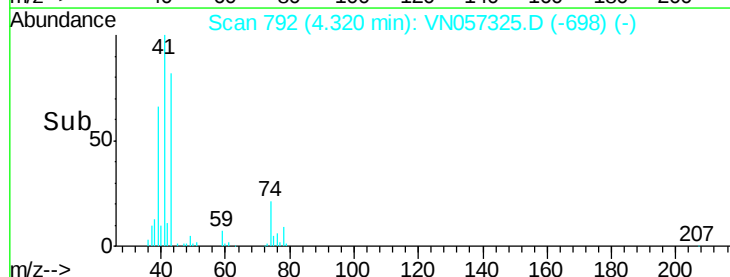
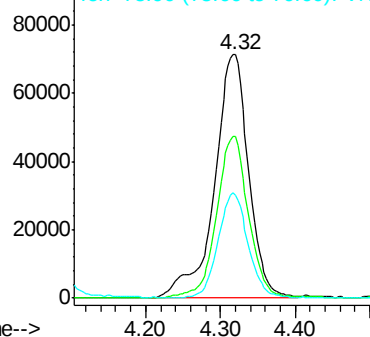
76 37.9 29.0 43.4

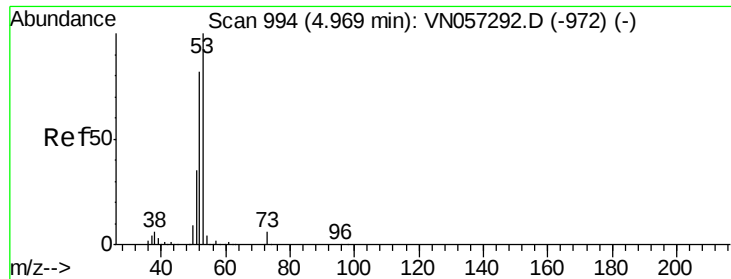


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 93.462 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

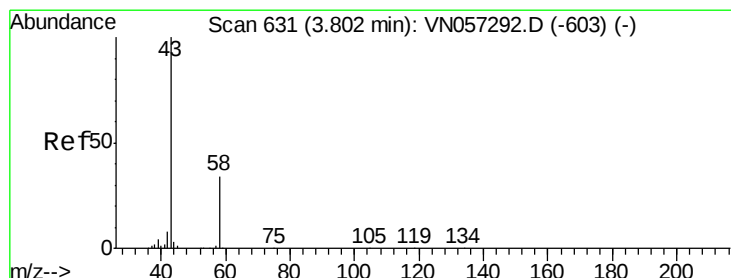
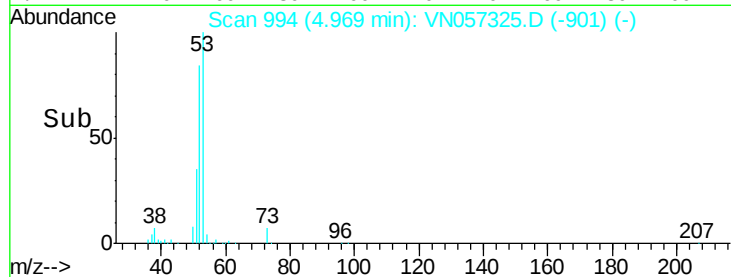
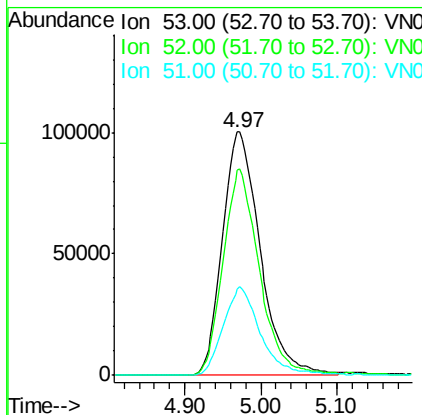
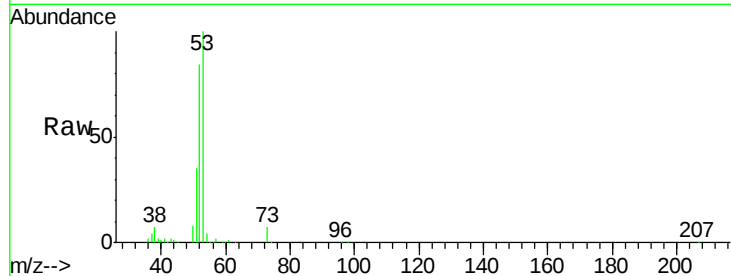
ClientSampleID :

VN0816WBSD01

Tot Ion:	53	Resp:	346961
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.2	99.2
51	34.8	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 82.072 ug/l

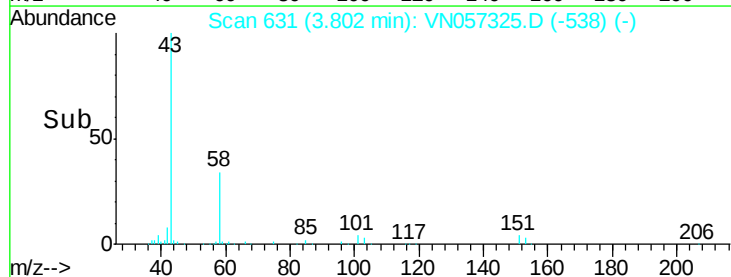
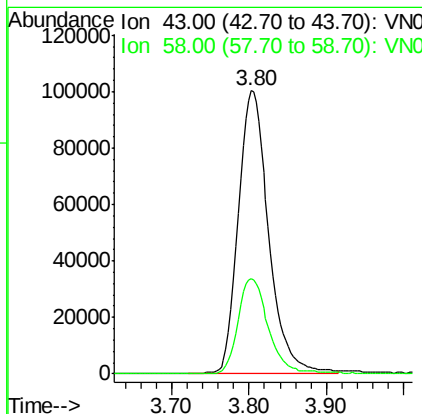
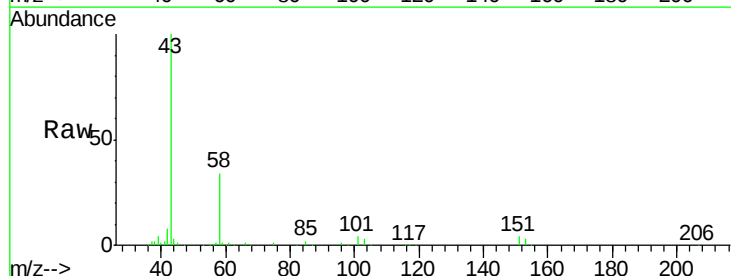
RT: 3.80 min Scan# 631

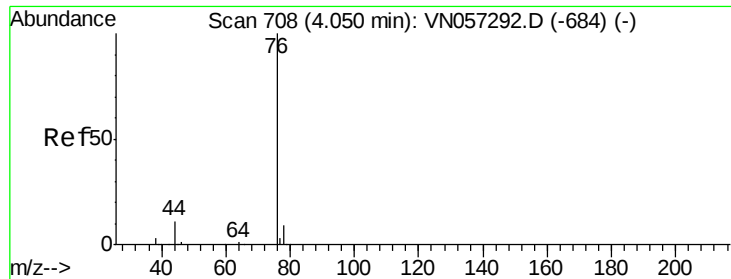
Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion:	43	Resp:	273838
Ion Ratio	Lower	Upper	
43	100		
58	33.6	27.0	40.6





#17

Carbon Disulfide

Concen: 18.225 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 76 Resp: 381142

Ion Ratio Lower Upper

76 100

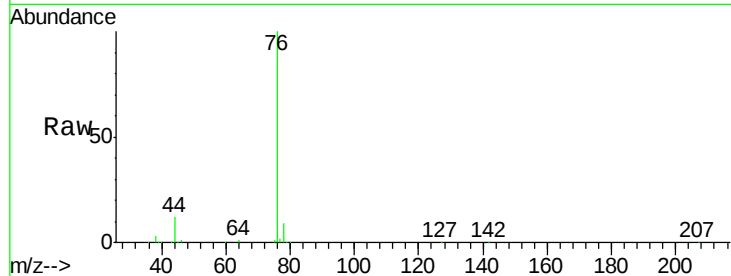
78 8.8 7.0 10.6

Manual Integrations

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MMdadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

150000

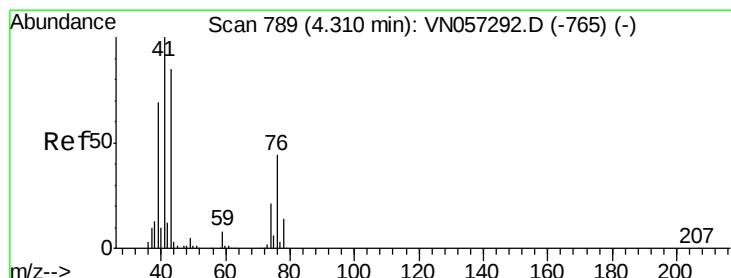
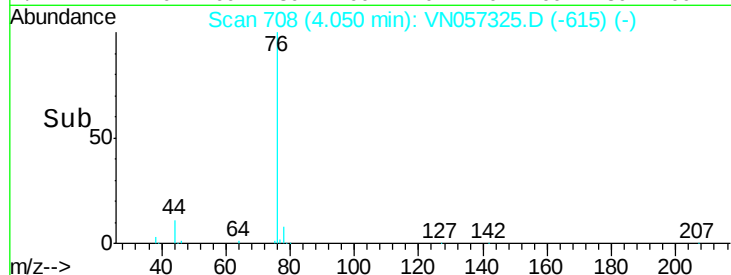
100000

50000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 19.592 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057325.D

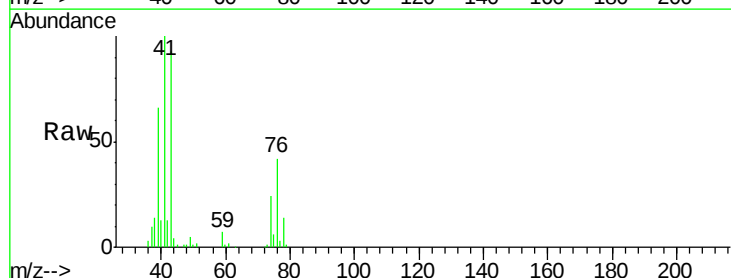
Acq: 15 Aug 2019 12:39

Tgt Ion: 43 Resp: 187788

Ion Ratio Lower Upper

43 100

74 25.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

60000

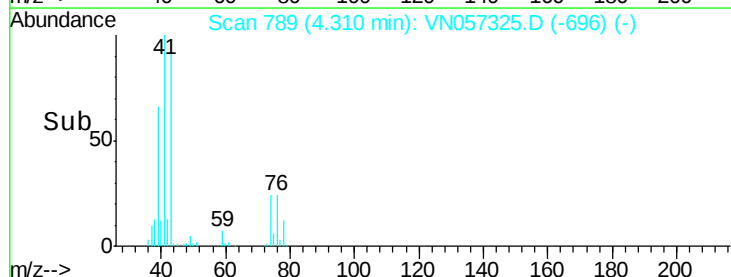
40000

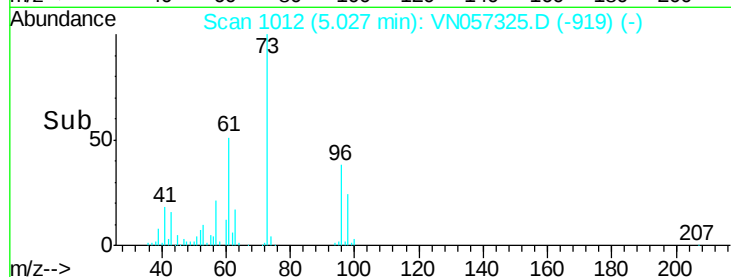
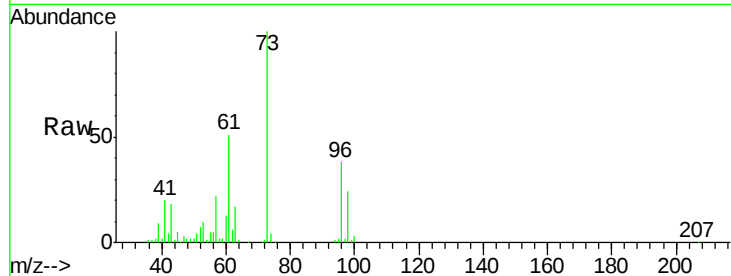
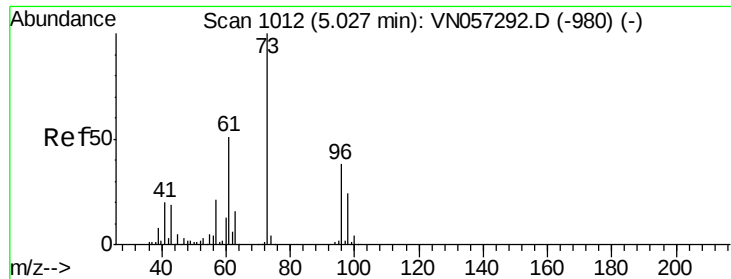
20000

0

4.20 4.30 4.40 4.50

Time-->





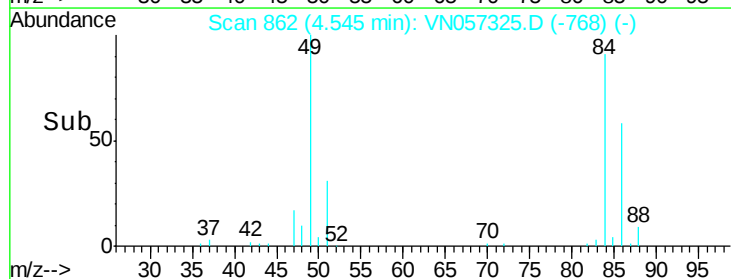
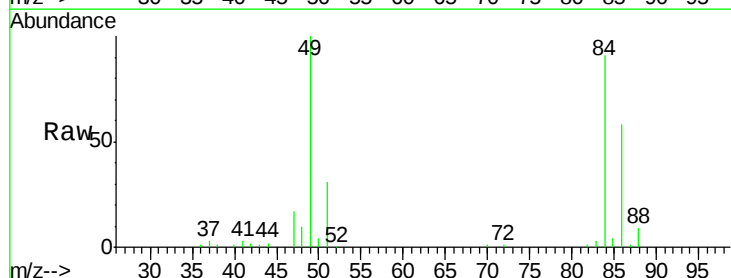
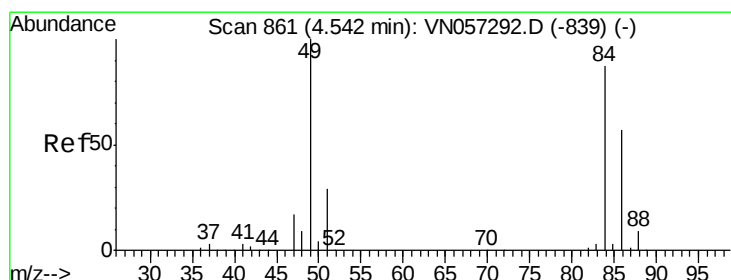
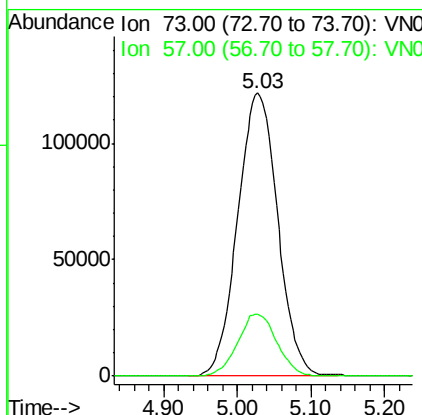
#19
Methvl tert-butvl Ether
Concen: 18.883 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tot Ion: 73 Resp: 459941
Ion Ratio Lower Upper
73 100
57 21.8 16.9 25.3

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

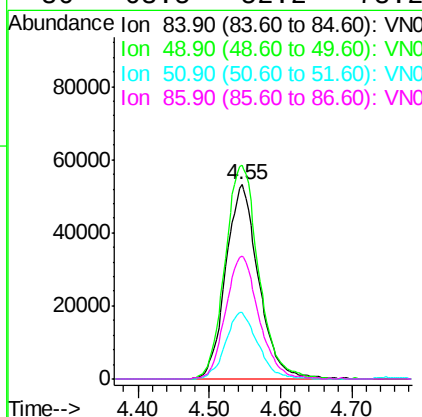
Manual Integrations
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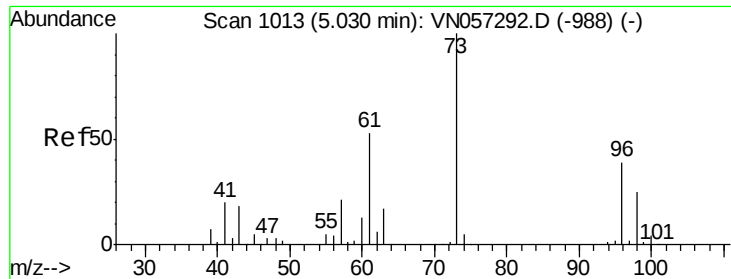
MMdadoda
8/19/2019 1:54:05 AM



#20
Methylene Chloride
Concen: 18.287 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion: 84 Resp: 170719
Ion Ratio Lower Upper
84 100
49 110.0 92.0 138.0
51 34.2 27.1 40.7
86 63.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.944 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

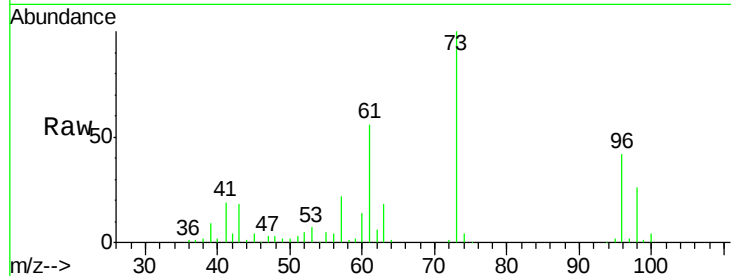
ClientSampleId :

VN0816WBSD01

Tot Ion:	96	Resp:	158144
Ion	Ratio	Lower	Upper
96	100		
61	134.4	109.5	164.3
98	62.7	51.0	76.6

Manual Integrations
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MMdadoda
8/19/2019 1:54:05 AM

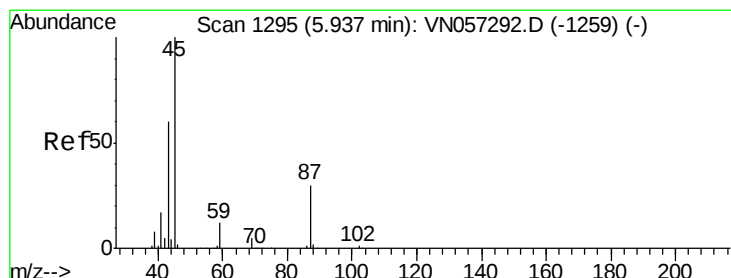
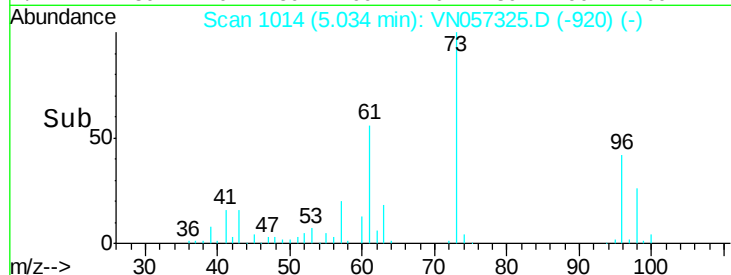
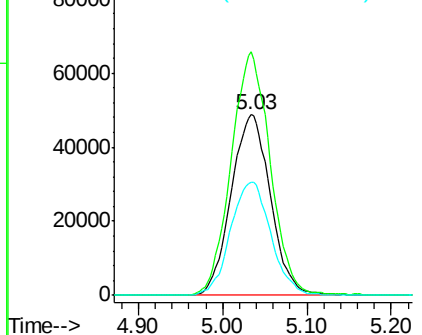


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 19.121 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion:	45	Resp:	470027
Ion	Ratio	Lower	Upper
45	100		
43	61.1	48.3	72.5
87	31.7	24.6	36.8
59	12.0	9.8	14.8

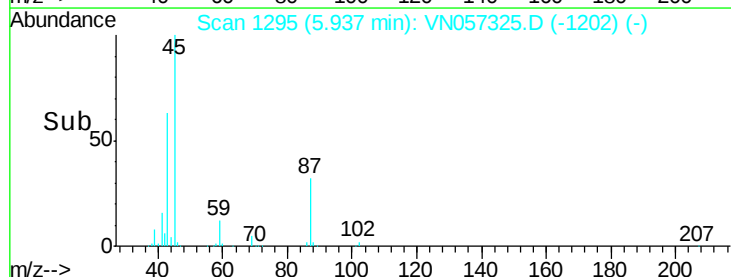
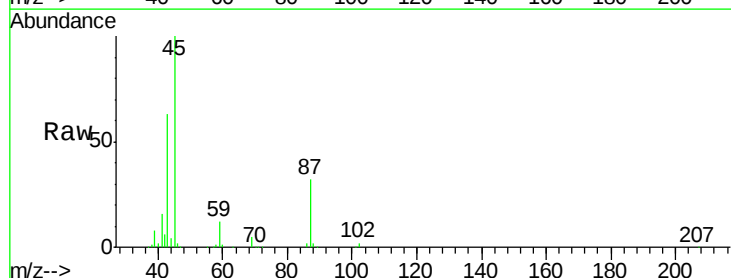
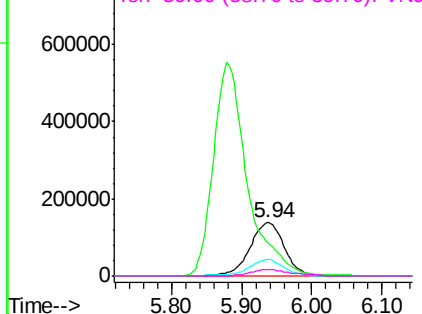
Abundance

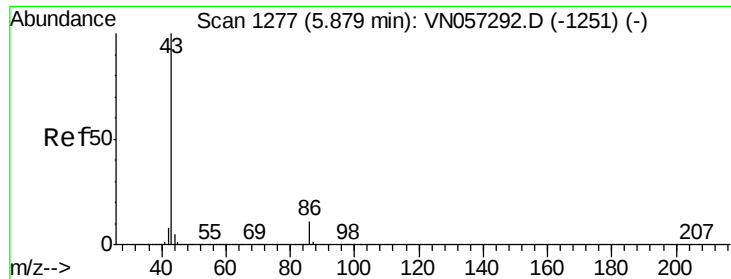
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 93.801 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 43 Resp: 1855676

Ion Ratio Lower Upper

43 100

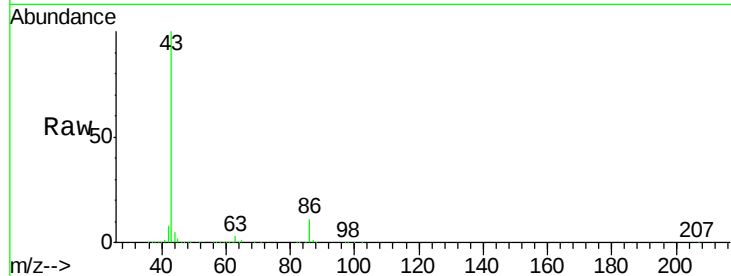
86 11.0 8.7 13.1

Manual Integrations

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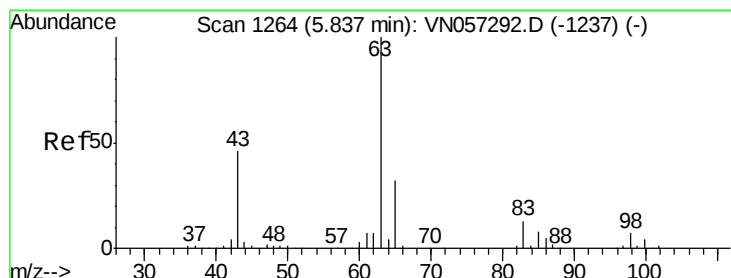
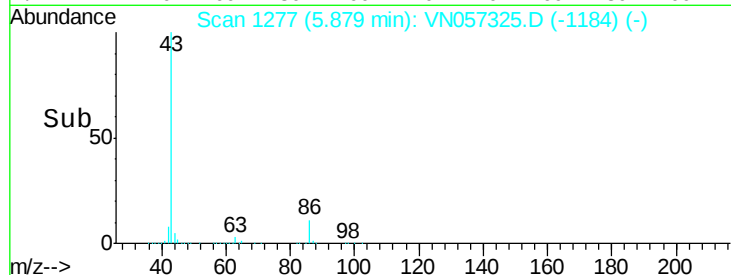
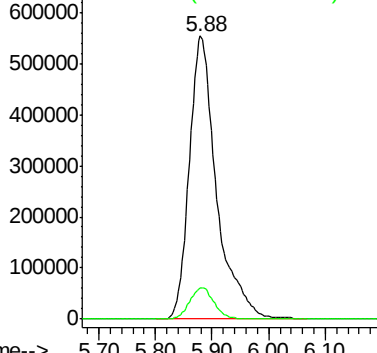
MMdadoda

8/19/2019 1:54:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.948 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

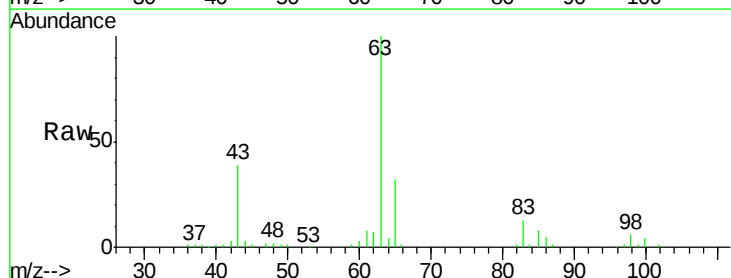
Tgt Ion: 63 Resp: 286548

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

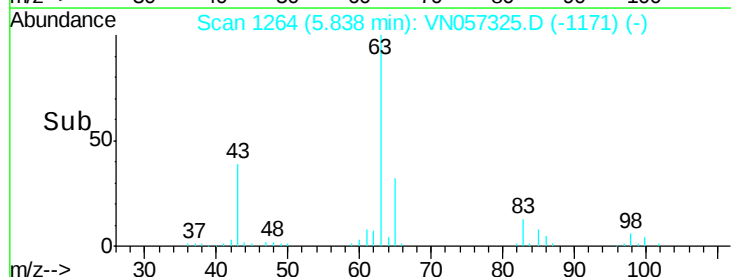
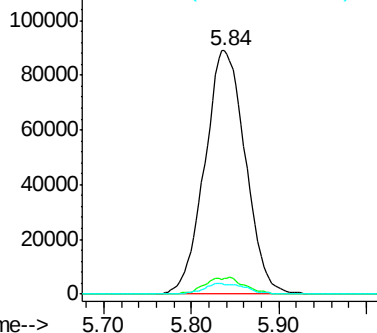
100 4.0 2.1 6.5

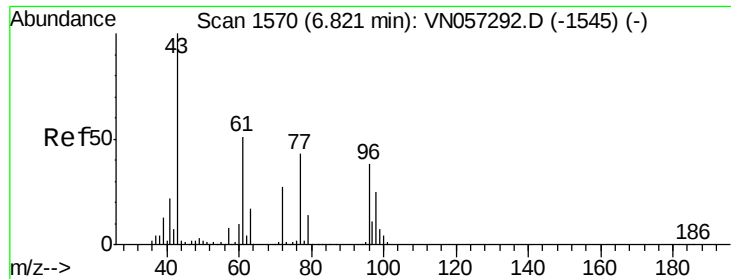


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





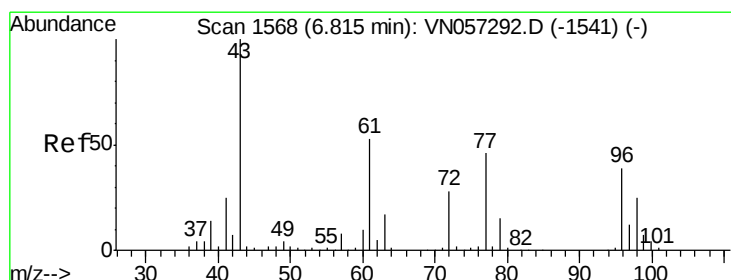
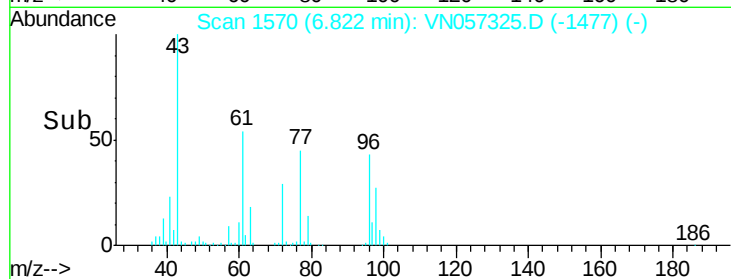
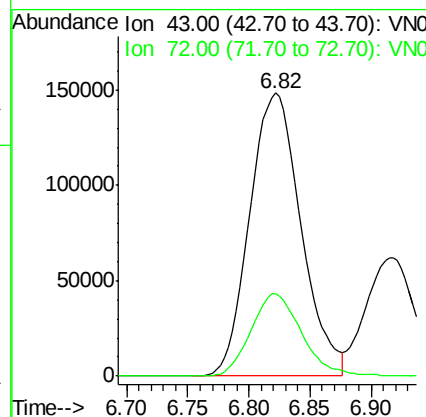
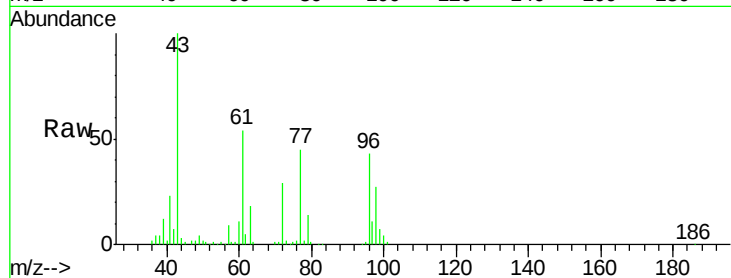
#25
2-Butanone
Concen: 89.174 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion: 43 Resp: 430861
Ion Ratio Lower Upper
43 100
72 29.4 21.5 32.3

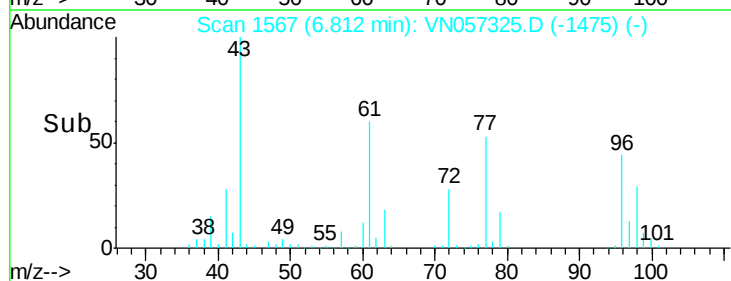
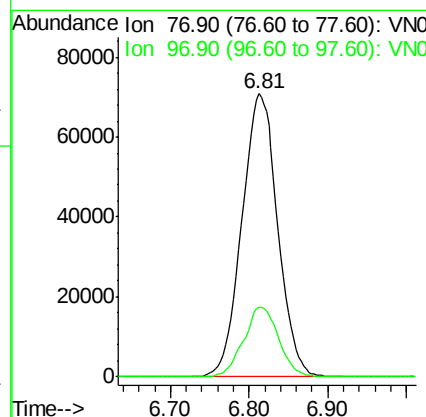
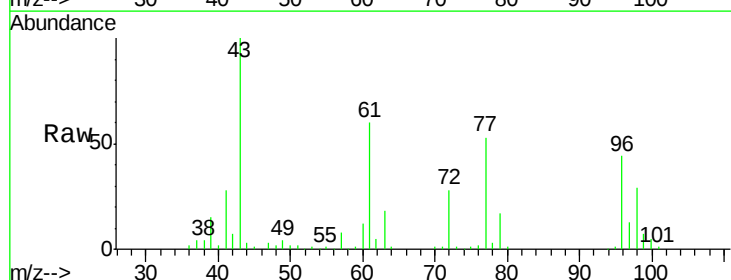
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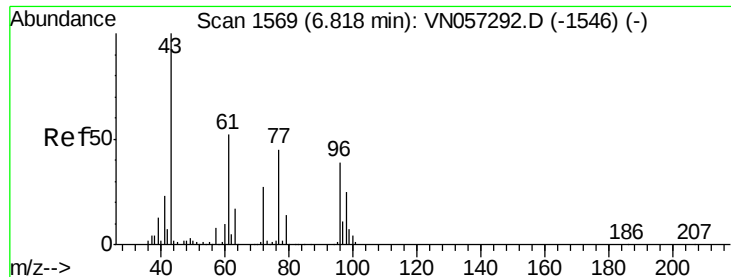
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#26
2,2-Dichloropropane
Concen: 18.525 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion: 77 Resp: 226420
Ion Ratio Lower Upper
77 100
97 24.3 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 18.823 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

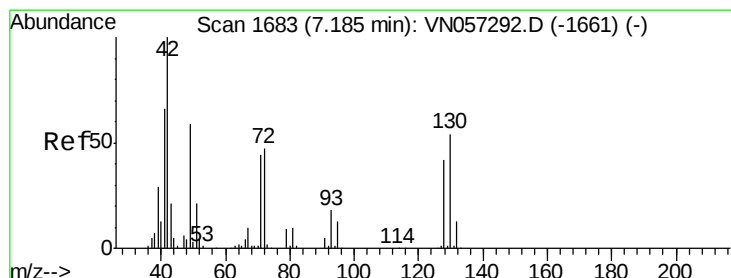
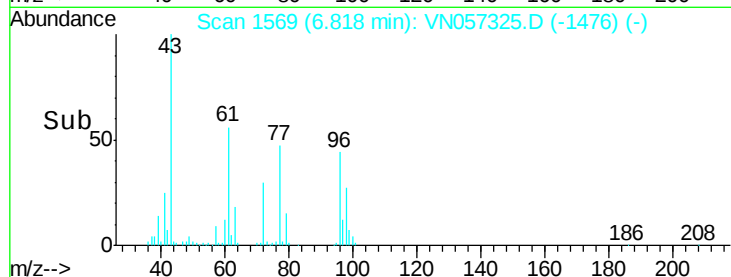
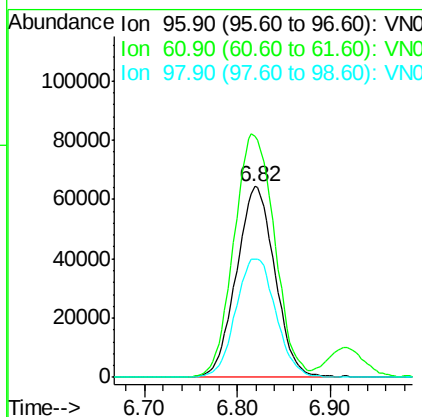
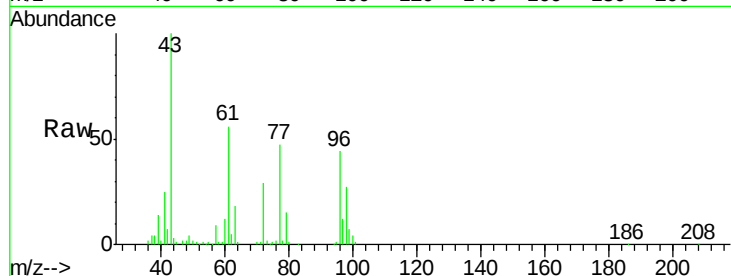
ClientSampleId :

VN0816WBSD01

Tot Ion:	96	Resp:	186029
Ion Ratio	Lower	Upper	
96	100		
61	134.7	0.0	272.0
98	64.6	0.0	130.4

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#28

Bromochloromethane

Concen: 19.805 ug/l

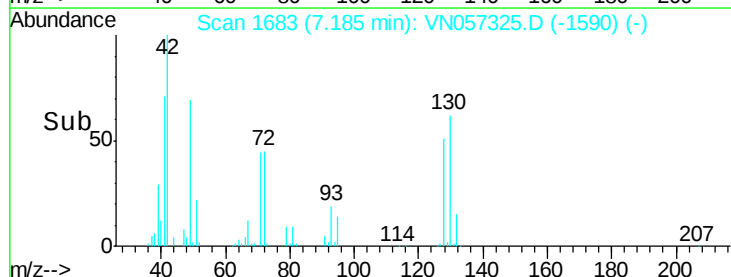
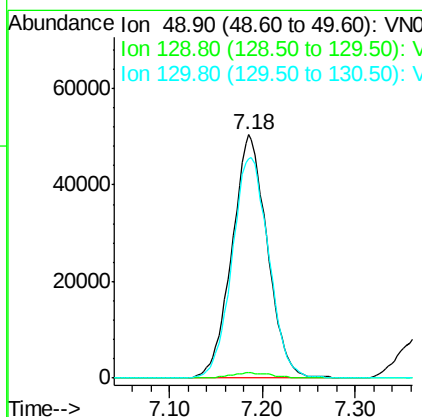
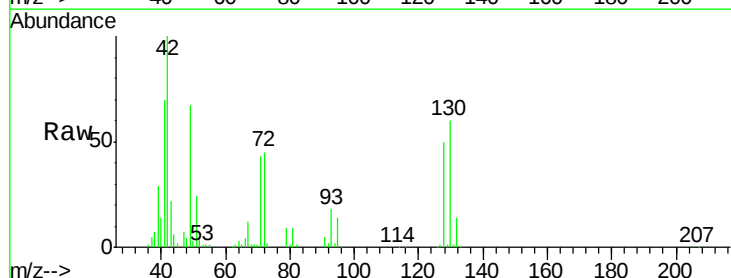
RT: 7.18 min Scan# 1683

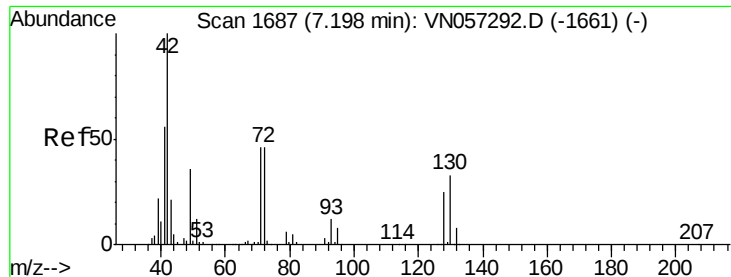
Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion:	49	Resp:	133078
Ion Ratio	Lower	Upper	
49	100		
129	2.5	0.0	2.0#
130	94.2	73.2	109.8





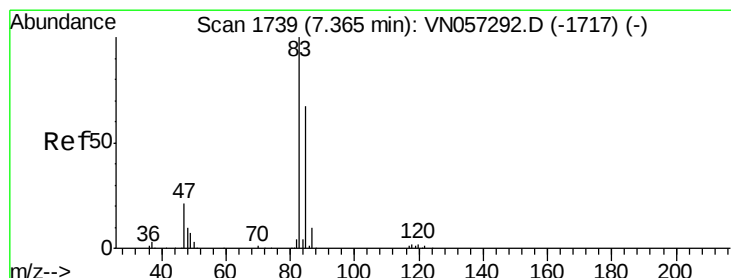
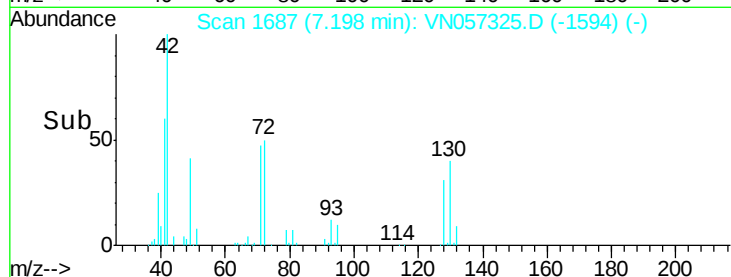
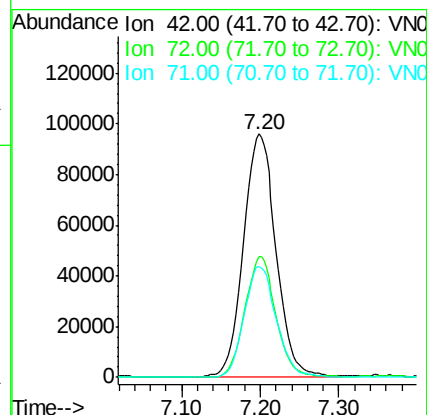
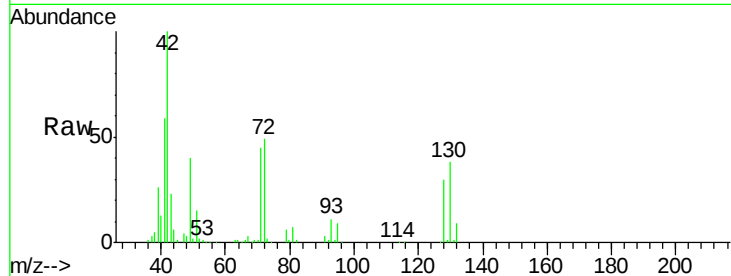
#29
Tetrahydrofuran
Concen: 91.782 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	45.2	35.7	53.5

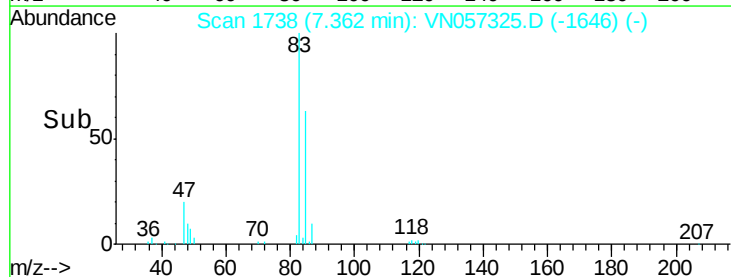
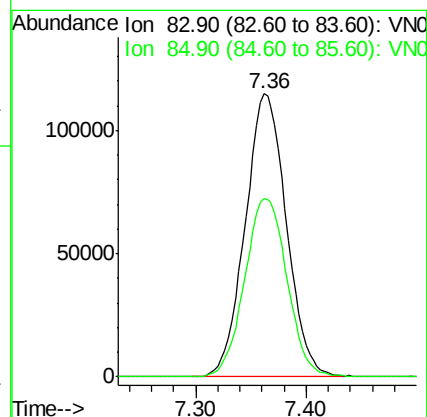
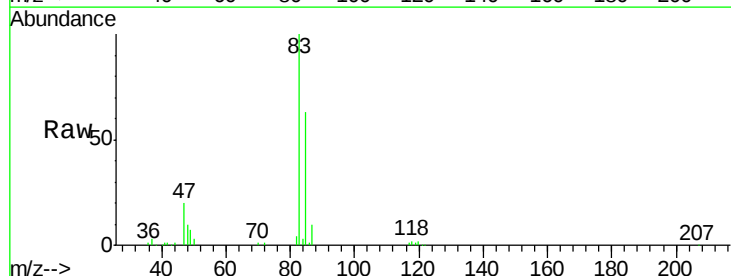
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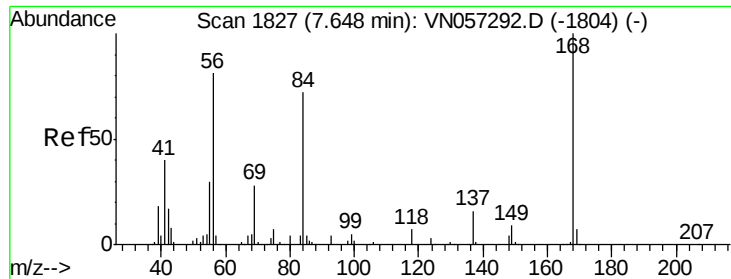
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#30
Chloroform
Concen: 18.750 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	53.3	79.9





#31

Cyclohexane

Concen: 18.602 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 56 Resp: 243789

Ion Ratio Lower Upper

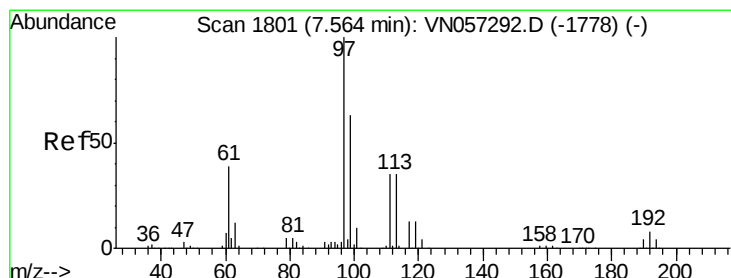
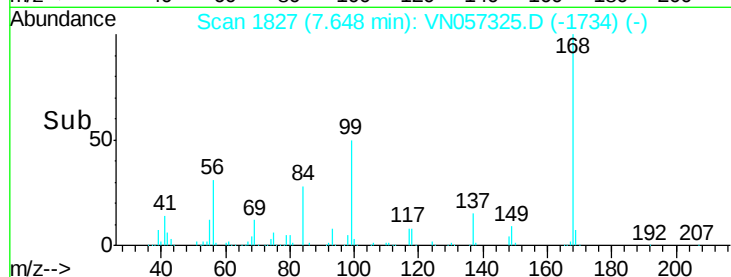
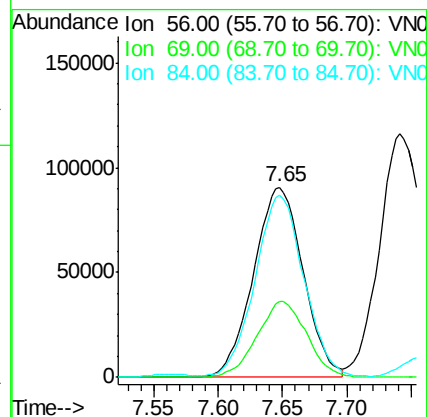
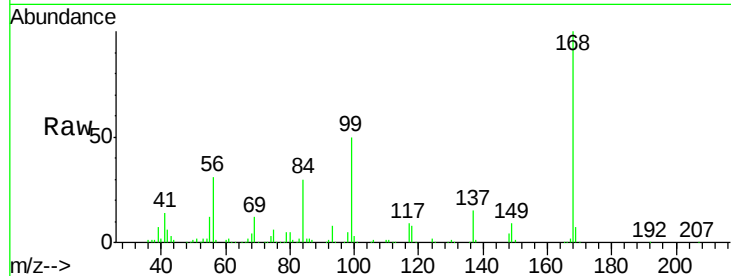
56 100

69 40.0 27.3 40.9

84 94.9 71.0 106.6

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#32

1,1,1-Trichloroethane

Concen: 19.548 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

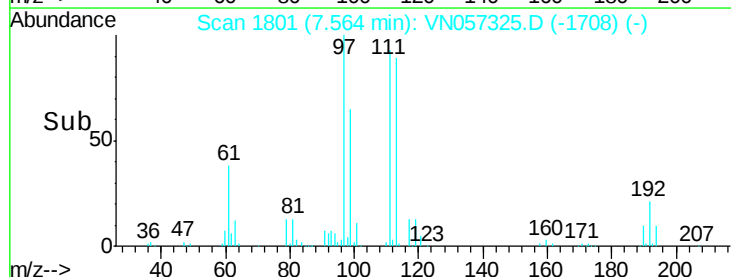
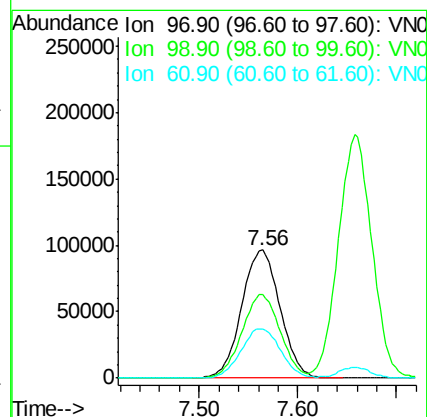
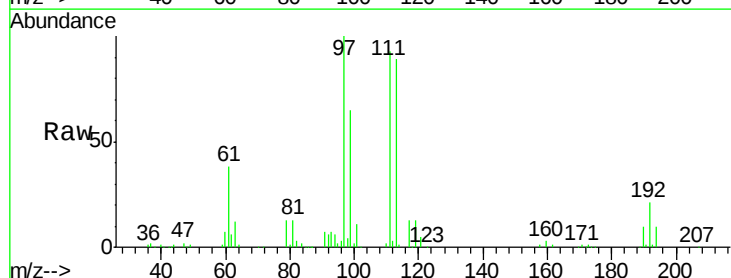
Tgt Ion: 97 Resp: 260570

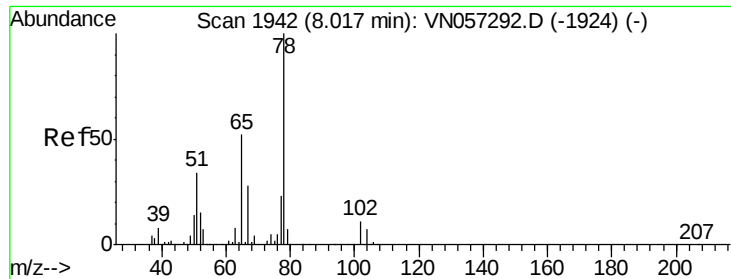
Ion Ratio Lower Upper

97 100

99 65.0 50.3 75.5

61 39.5 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 47.133 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 65 Resp: 453335

Ion Ratio Lower Upper

65 100

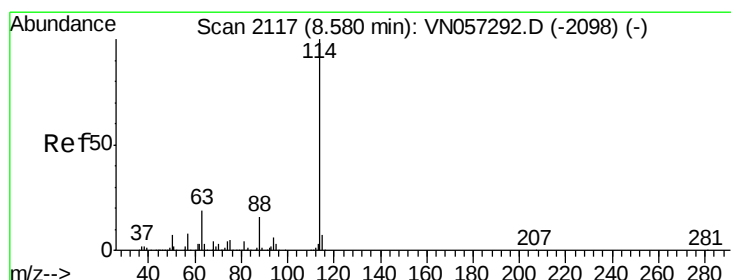
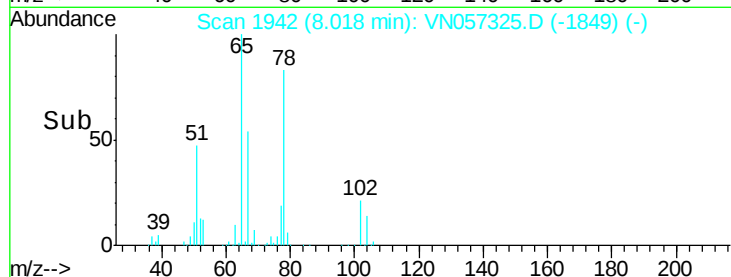
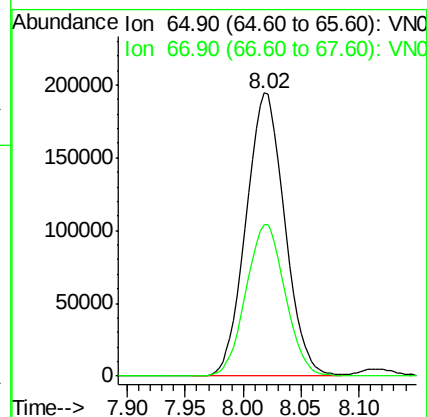
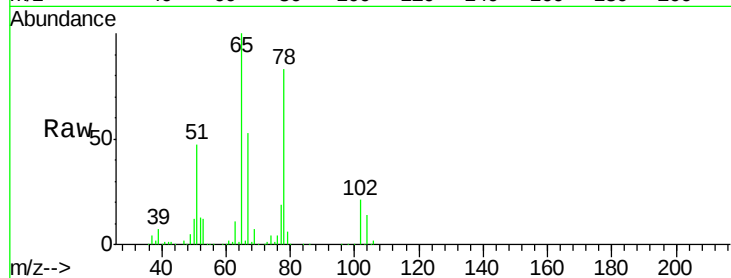
67 54.3 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

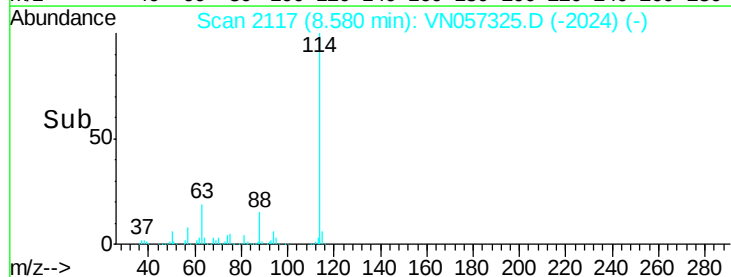
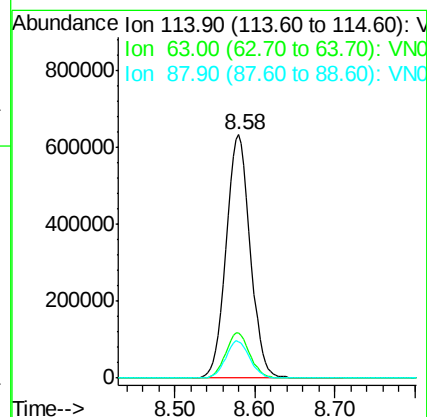
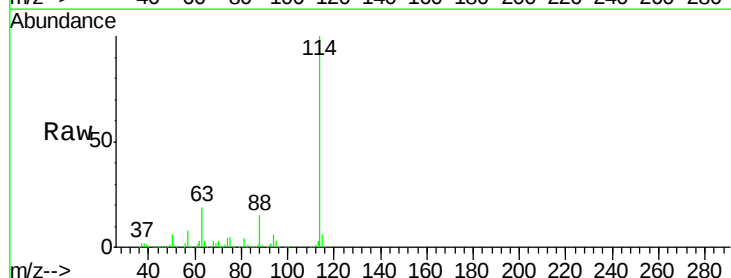
Tgt Ion: 114 Resp: 1307927

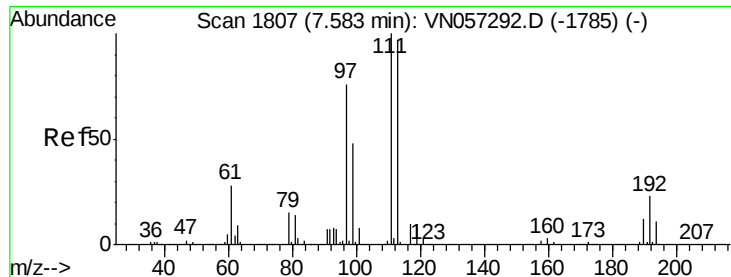
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.8

88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.292 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

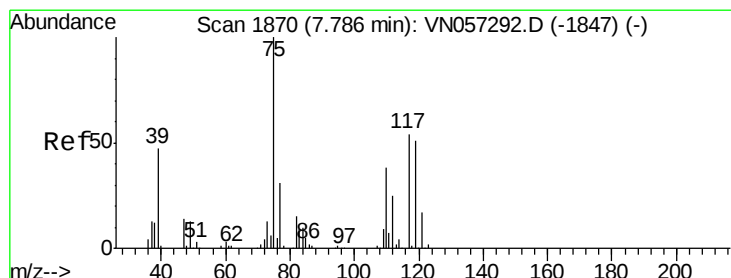
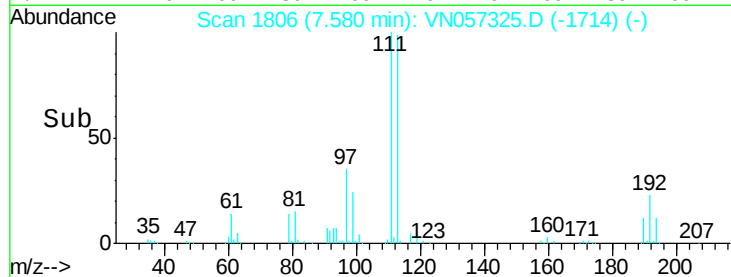
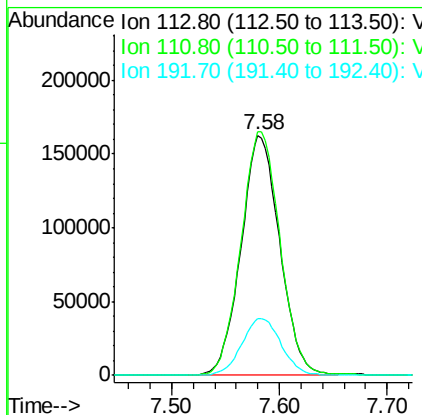
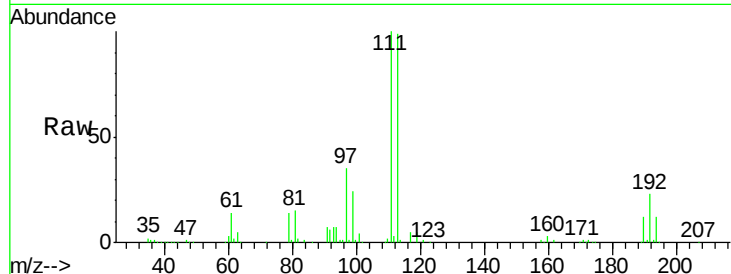
ClientSampleId :

VN0816WBSD01

Tot Ion:	113	Resp:	405470
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.1	123.1
192	24.3	19.3	28.9

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#36

1,1-Dichloropropene

Concen: 18.526 ug/l

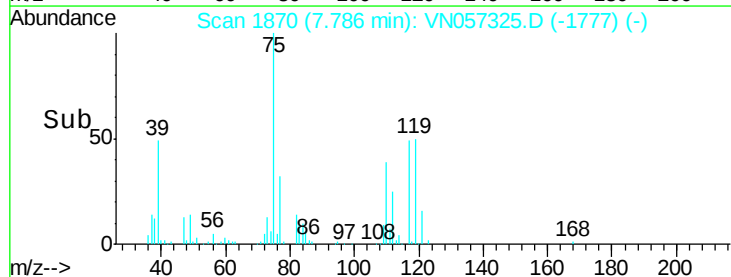
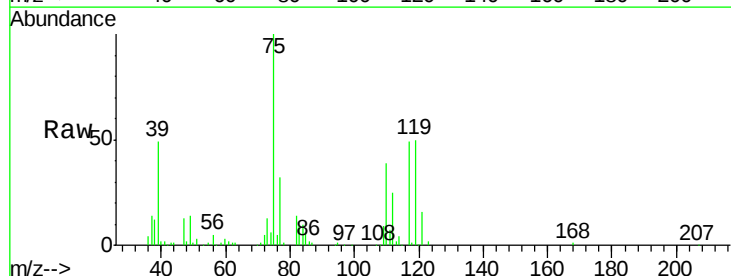
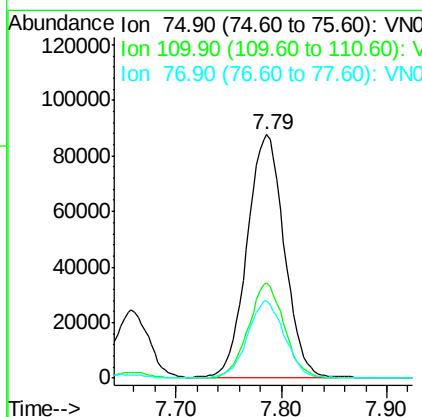
RT: 7.79 min Scan# 1870

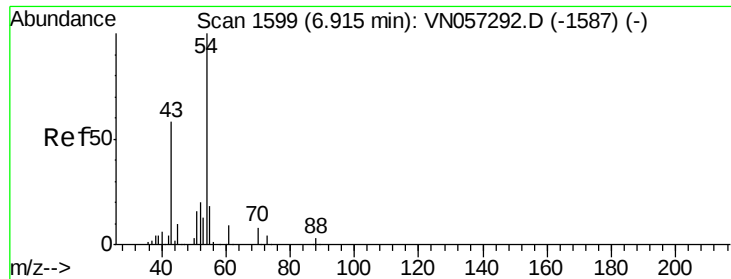
Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion:	75	Resp:	213944
Ion Ratio	Lower	Upper	
75	100		
110	37.8	19.5	58.5
77	31.8	25.0	37.6





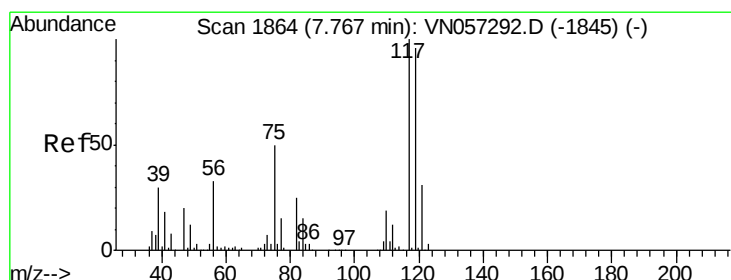
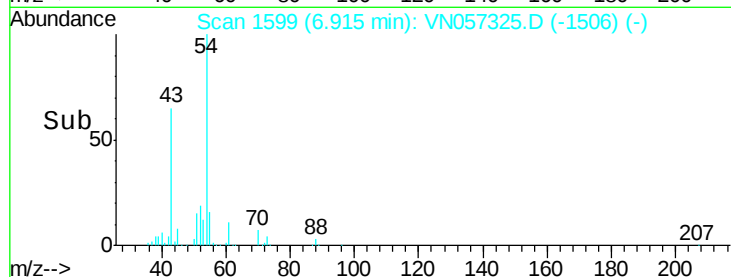
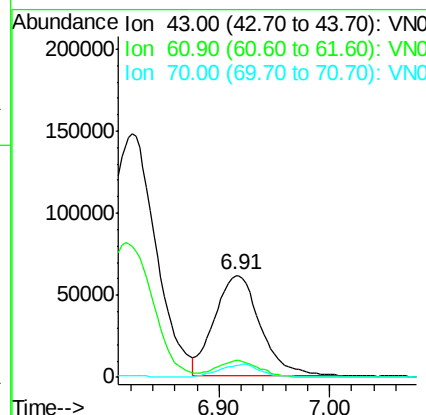
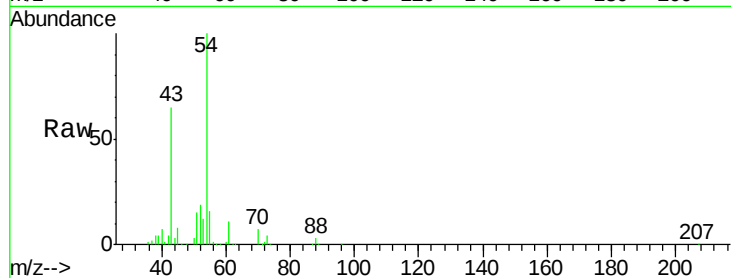
#37
Ethyl Acetate
Concen: 18.786 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	11.8	9.2	13.8

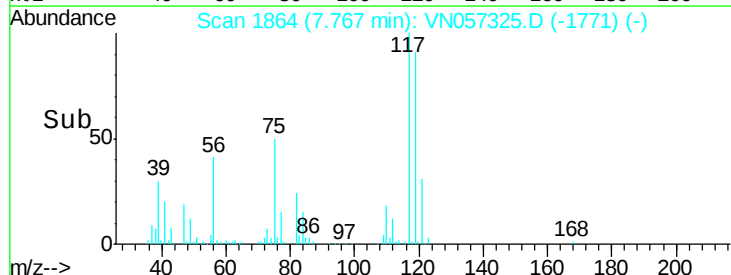
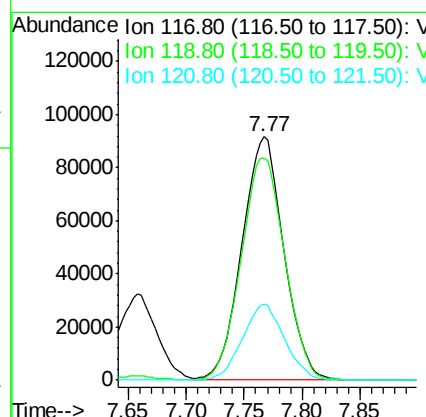
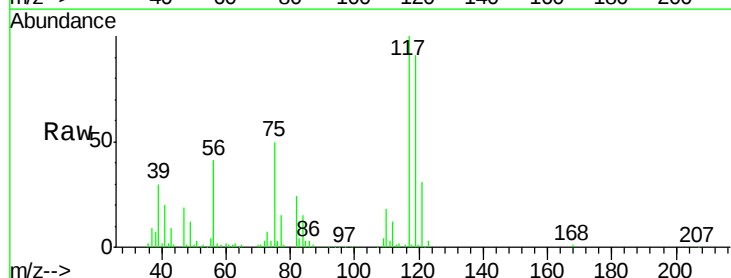
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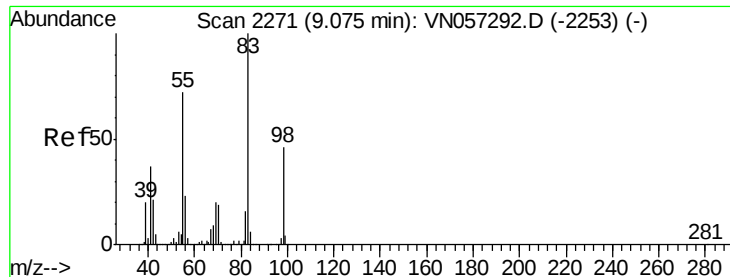
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#38
Carbon Tetrachloride
Concen: 19.108 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	76.8	115.2
121	31.5	25.0	37.4





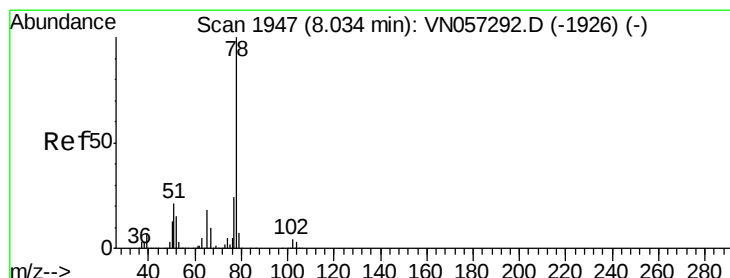
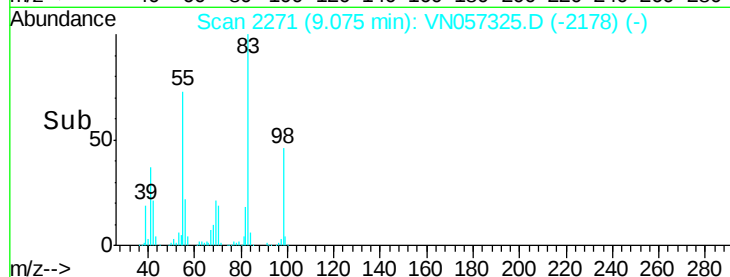
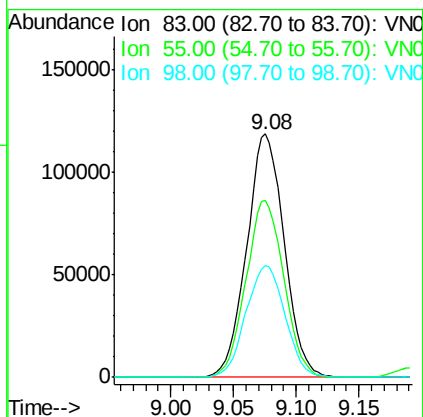
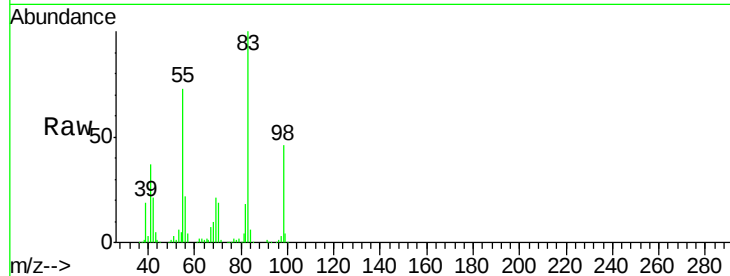
#39
Methvlcvclohexane
Concen: 18.390 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	57.5	86.3
98	45.9	36.6	55.0

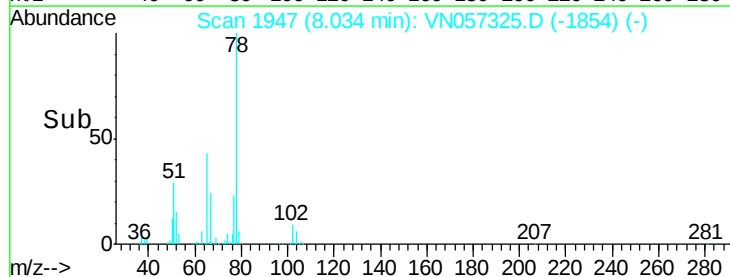
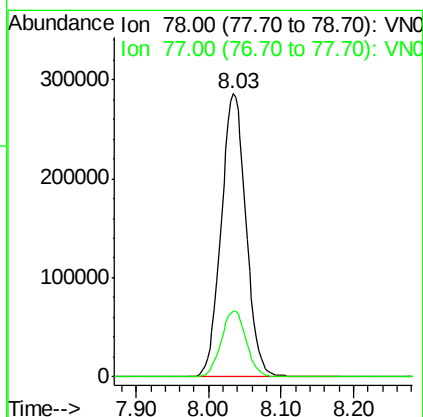
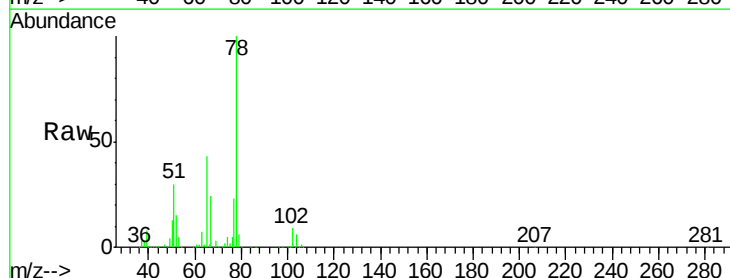
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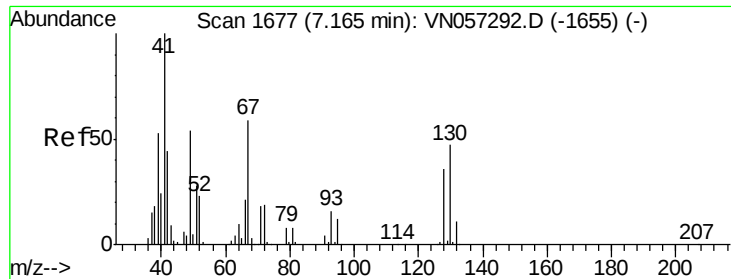
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#40
Benzene
Concen: 19.151 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





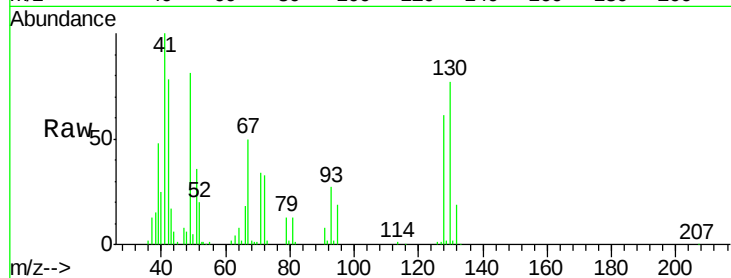
#41
Methacrylonitrile
Concen: 21.788 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		92804		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

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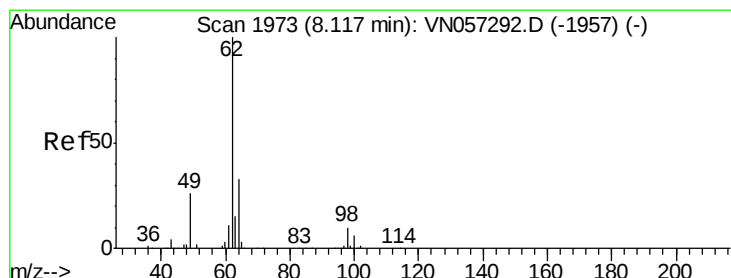
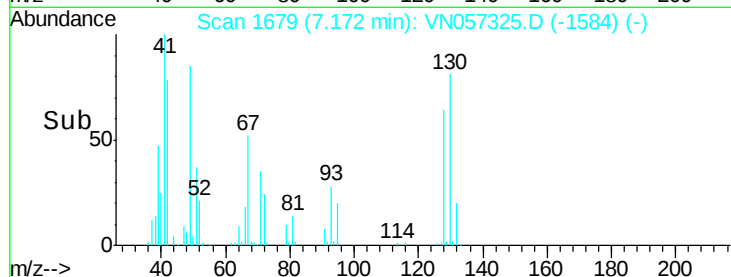
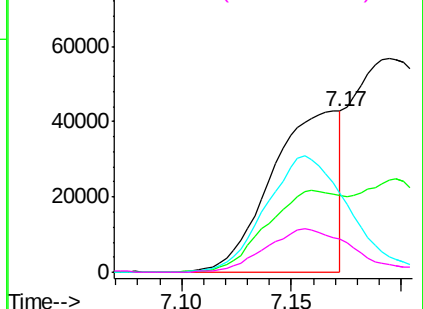


Abundance Ion 41.00 (40.70 to 41.70): VN057292.D (-1655) (-)

Ion 39.00 (38.70 to 39.70): VN057292.D (-1655) (-)

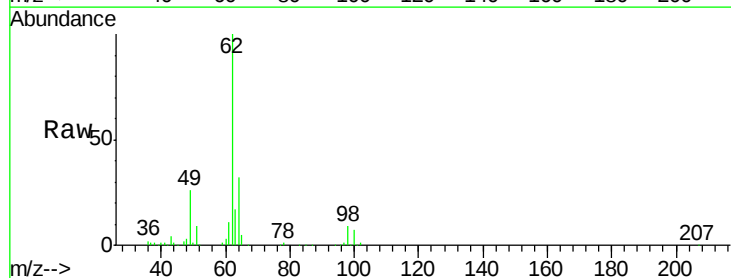
Ion 67.00 (66.70 to 67.70): VN057292.D (-1655) (-)

Ion 52.00 (51.70 to 52.70): VN057292.D (-1655) (-)



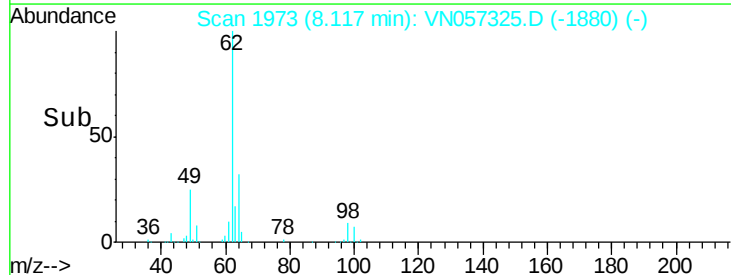
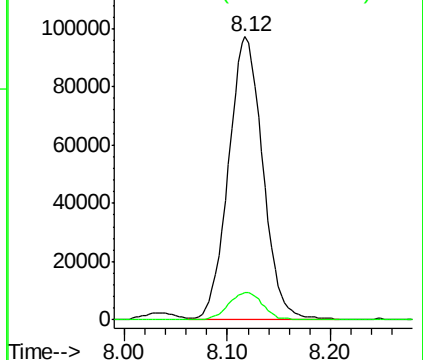
#42
1,2-Dichloroethane
Concen: 19.152 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

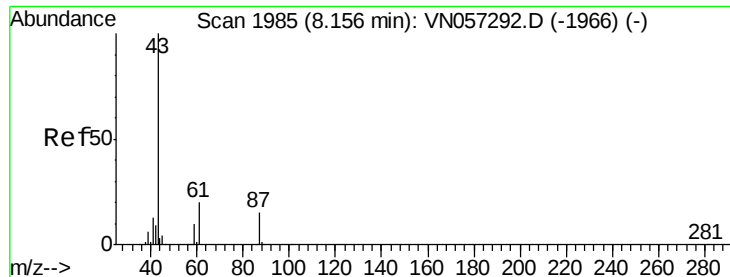
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		223897		
98	9.7	0.0	19.4		



Abundance Ion 61.90 (61.60 to 62.60): VN057292.D (-1957) (-)

Ion 97.90 (97.60 to 98.60): VN057292.D (-1957) (-)





#43

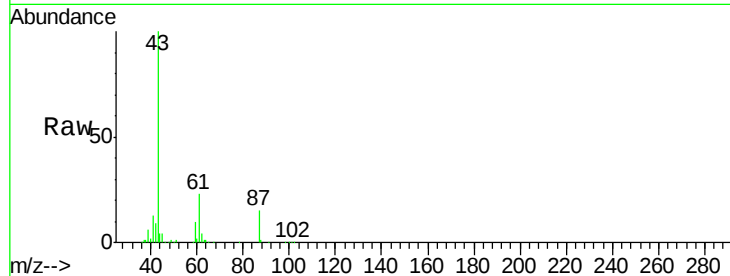
Isopropyl Acetate
 Concen: 19.774 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBSD01

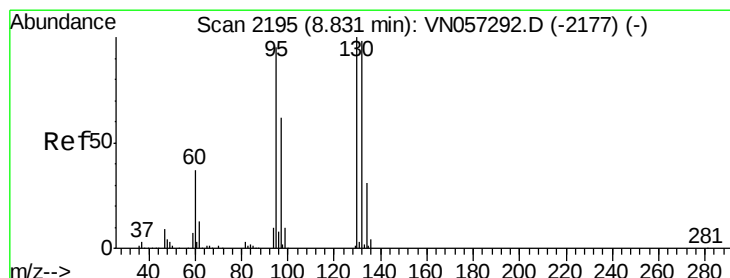
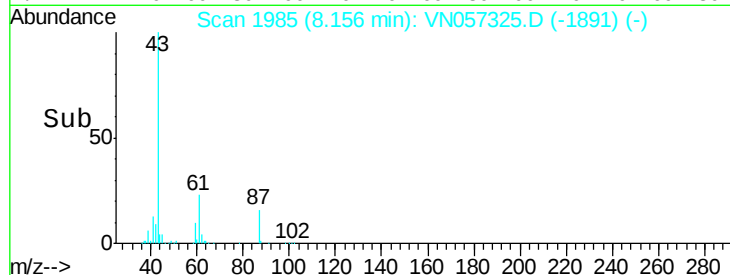
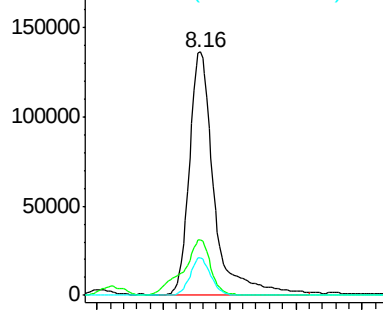
Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	21.6	32.4
87	12.8	11.4	17.0

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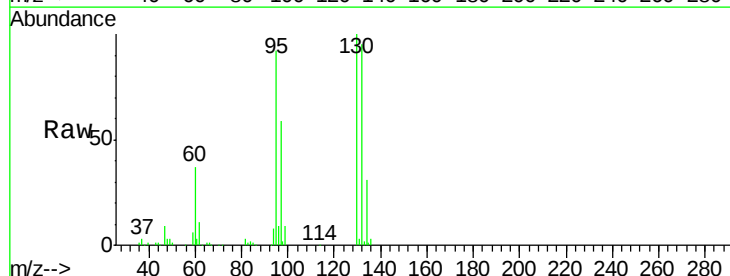
Abundance Ion 43.00 (42.70 to 43.70): VN057325.D (-2102) (-)



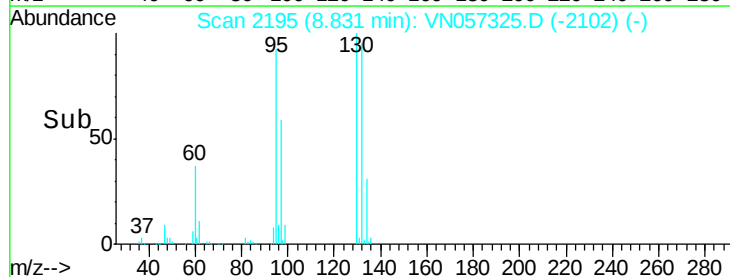
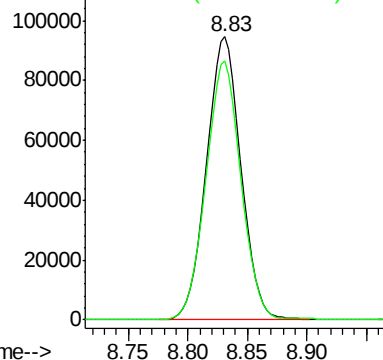
#44

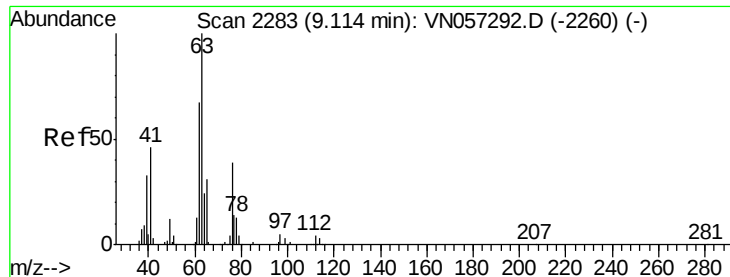
Trichloroethene
 Concen: 19.174 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	189.2



Abundance Ion 129.80 (129.50 to 130.50): VN057325.D (-2102) (-)





#45

1,2-Dichloropropane

Concen: 18.945 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 63 Resp: 172481

Ion Ratio Lower Upper

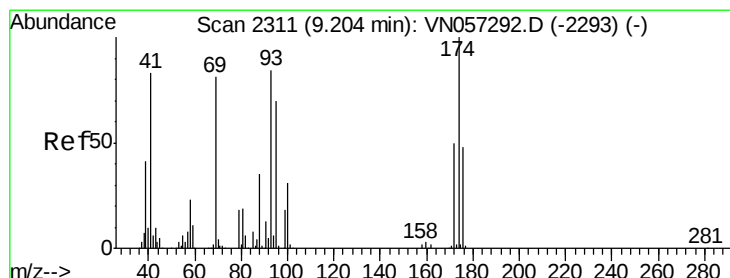
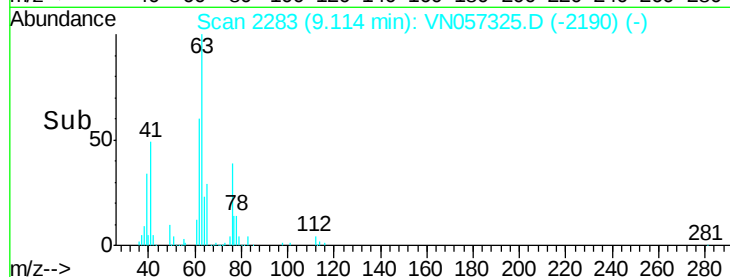
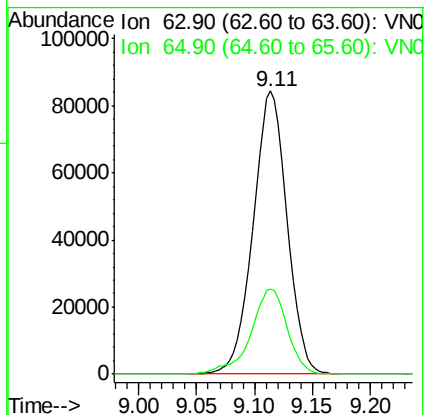
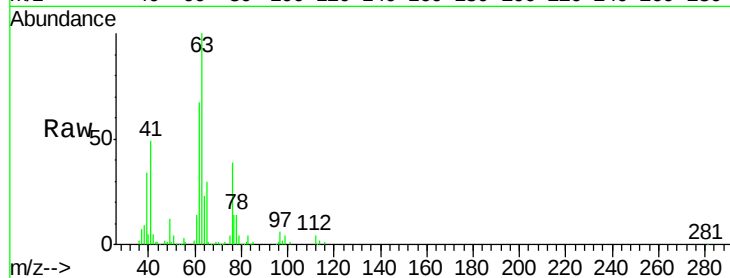
63 100

65 30.1 24.8 37.2

Manual Integrations
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MMdadoda

8/19/2019 1:54:05 AM



#46

Dibromomethane

Concen: 18.825 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

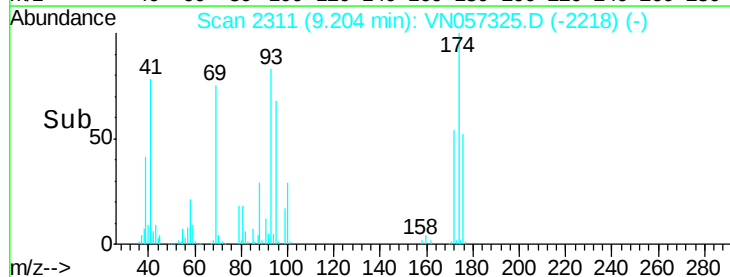
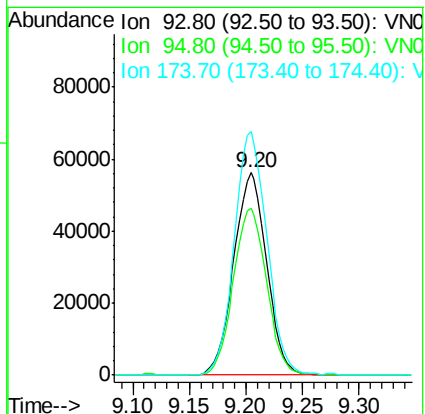
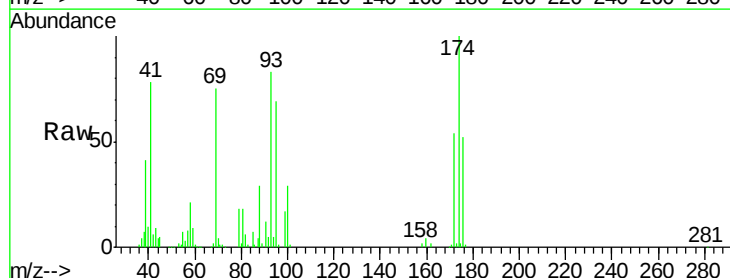
Tgt Ion: 93 Resp: 114342

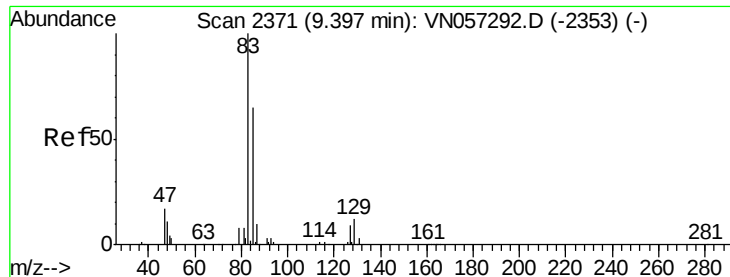
Ion Ratio Lower Upper

93 100

95 83.0 66.5 99.7

174 119.0 95.7 143.5





#47

Bromodichloromethane

Concen: 18.866 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

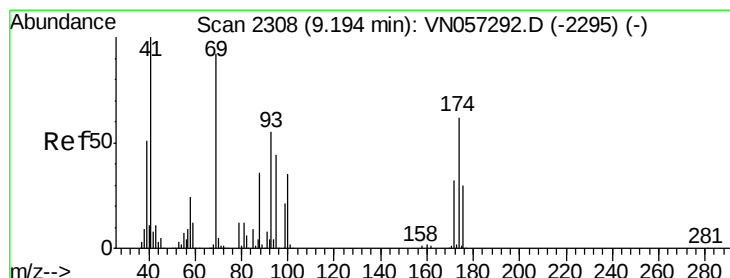
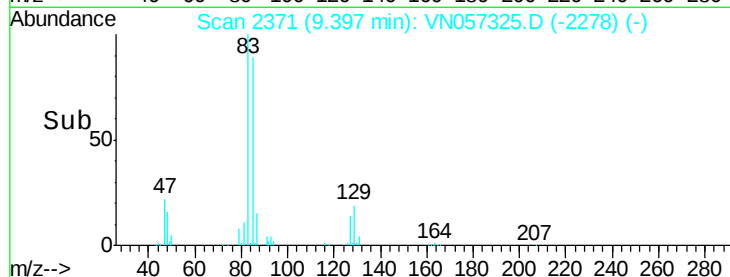
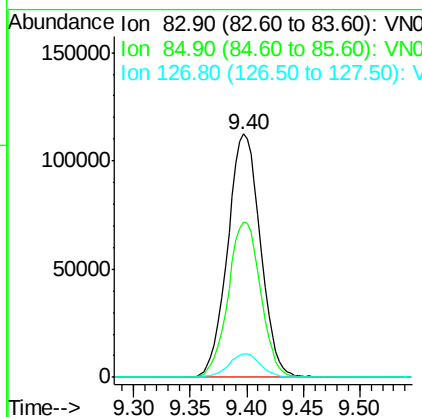
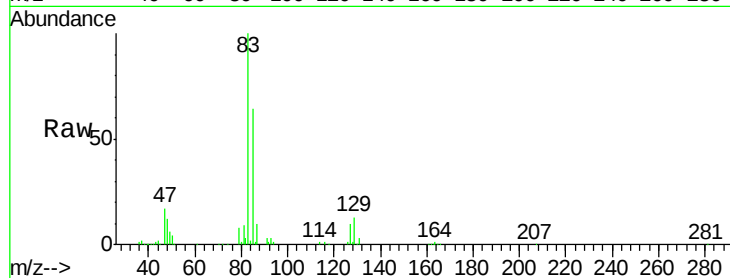
ClientSampleId :

VN0816WBSD01

Tot Ion:	83	Resp:	227042
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.9	77.9
127	9.6	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.154 ug/l

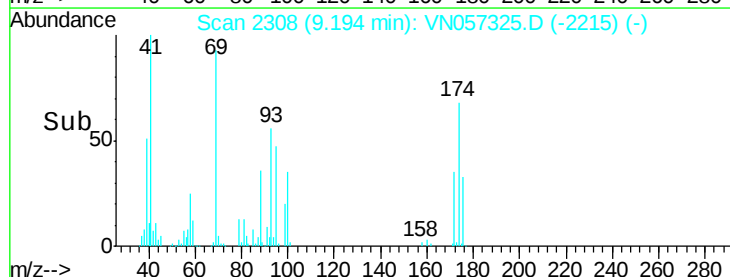
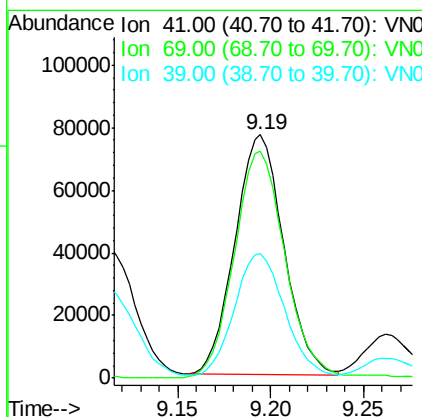
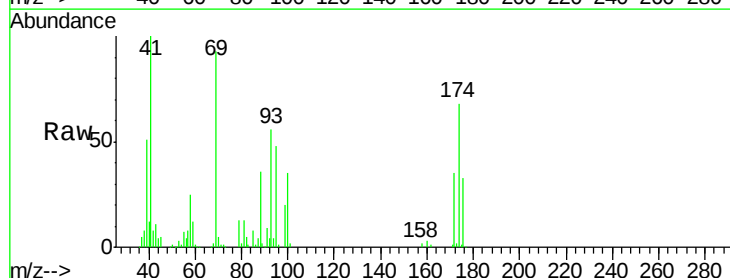
RT: 9.19 min Scan# 2308

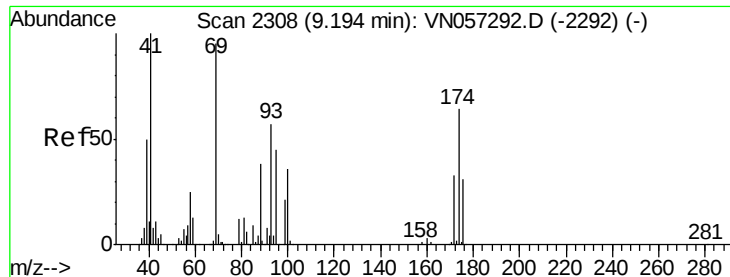
Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion:	41	Resp:	141397
Ion Ratio	Lower	Upper	
41	100		
69	99.0	75.9	113.9
39	51.5	42.3	63.5





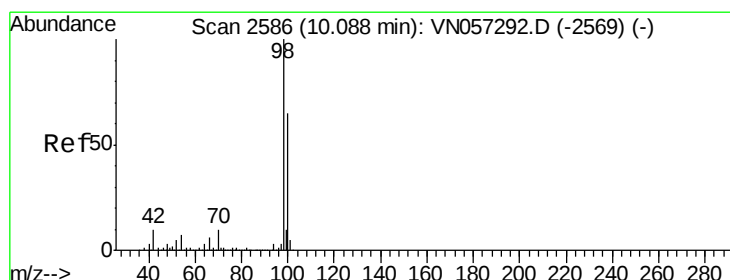
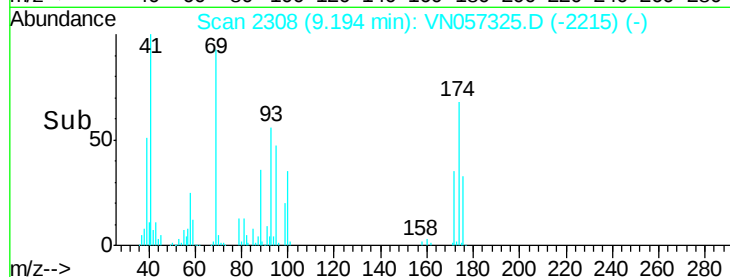
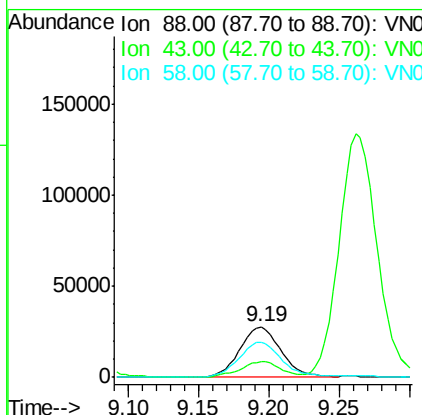
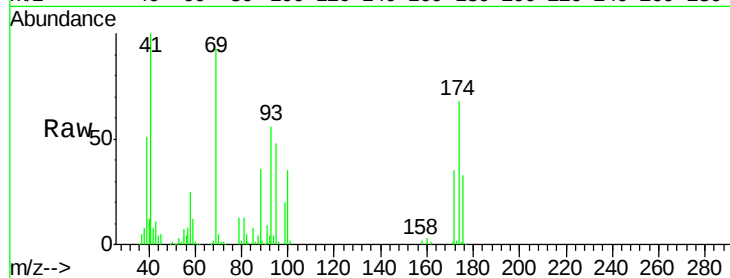
#49
1,4-Dioxane
Concen: 348.002 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampled :
VN0816WBSD01

Tot Ion	88	Resp	57001
Ion	Ratio	Lower	Upper
88	100		
43	28.8	22.9	34.3
58	72.2	52.7	79.1

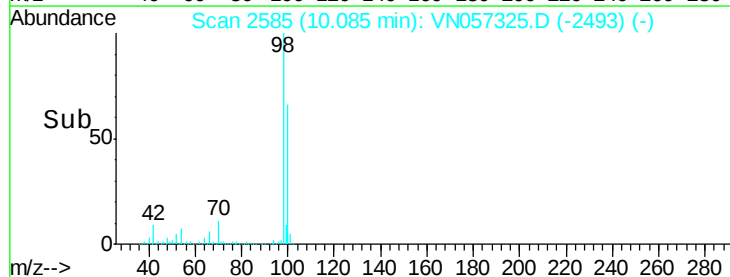
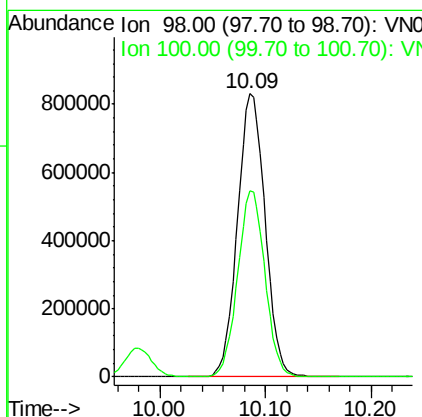
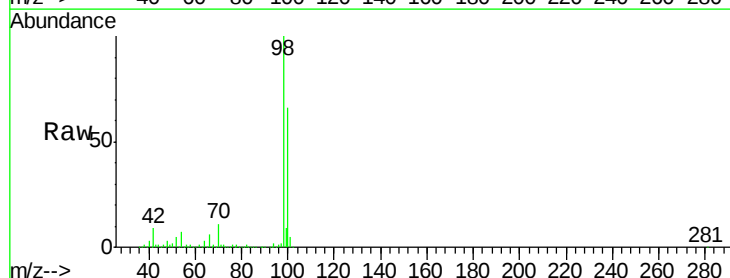
Manual Integrations
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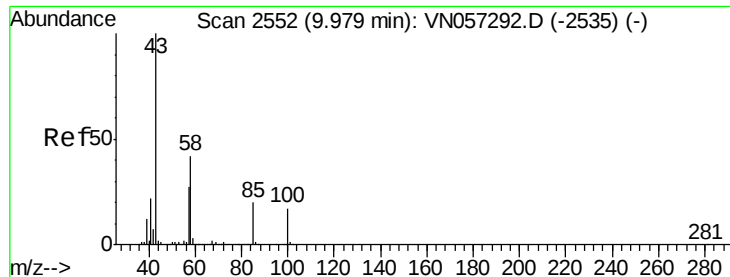
MMdadoda
8/19/2019 1:54:05 AM



#50
Toluene-d8
Concen: 48.194 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	98	Resp	1511299
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 90.189 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 43 Resp: 880043

Ion Ratio Lower Upper

43 100

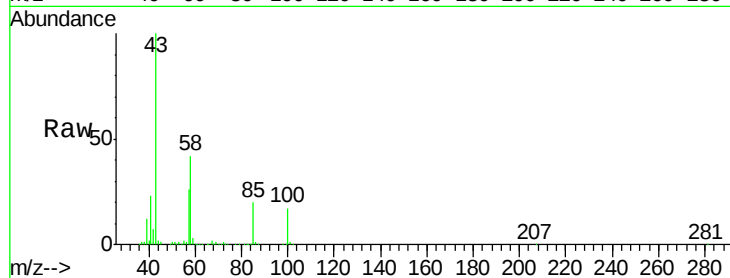
58 42.1 33.2 49.8

Manual Integrations

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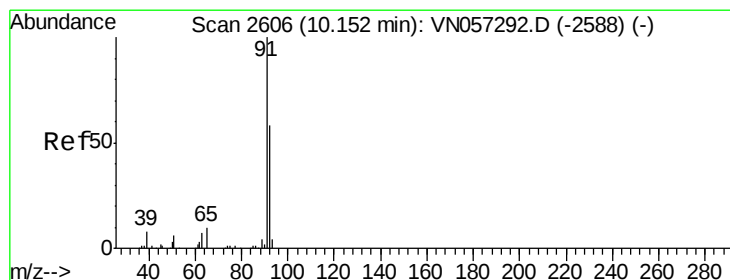
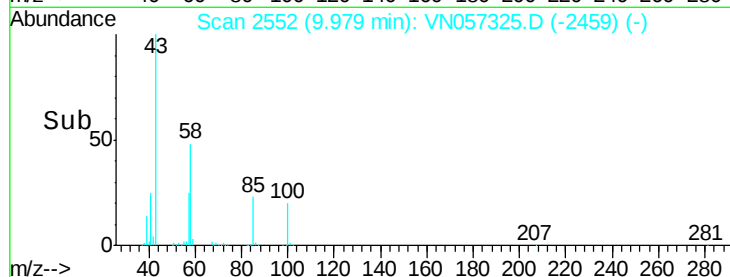
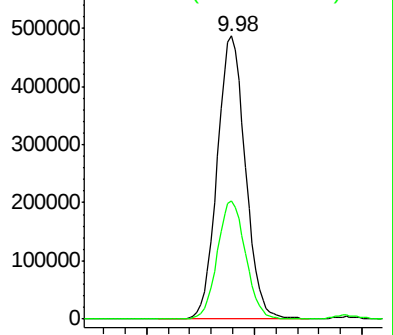
MMdadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.060 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057325.D

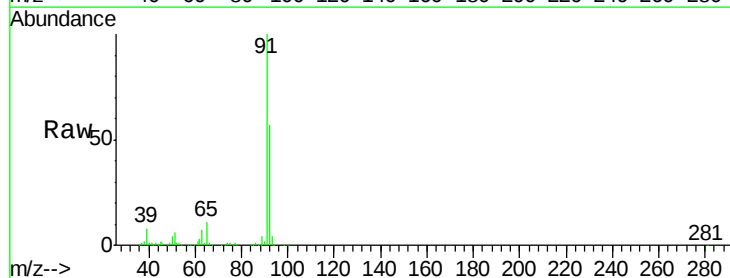
Acq: 15 Aug 2019 12:39

Tgt Ion: 92 Resp: 419030

Ion Ratio Lower Upper

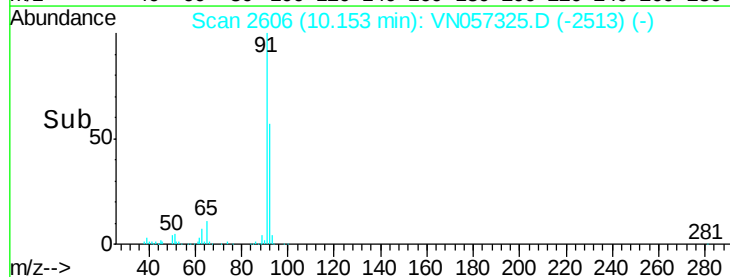
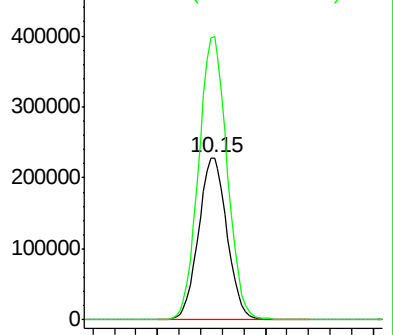
92 100

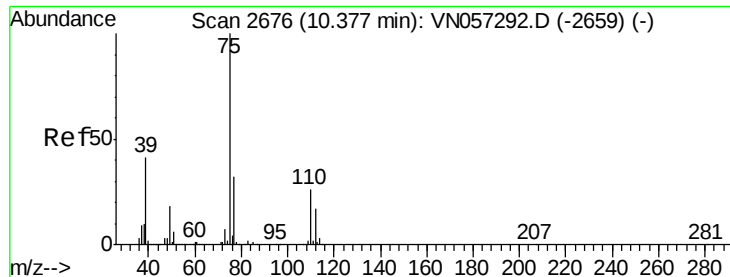
91 174.8 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.245 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 75 Resp: 237493

Ion Ratio Lower Upper

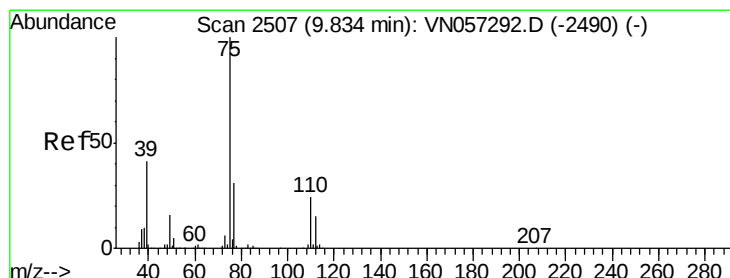
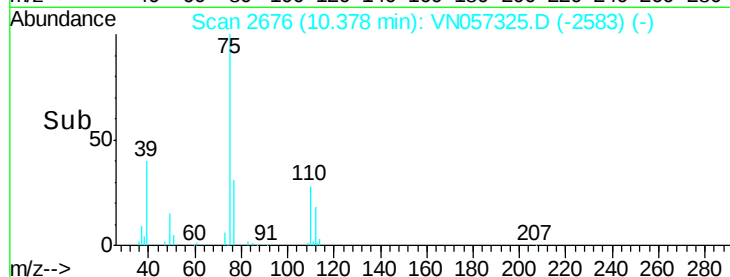
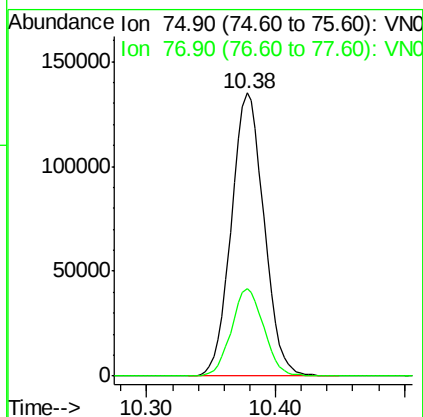
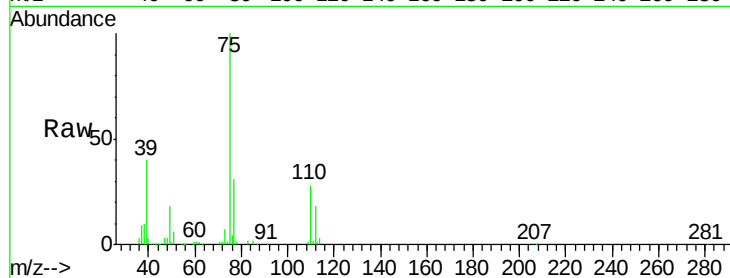
75 100

77 31.1 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 18.722 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

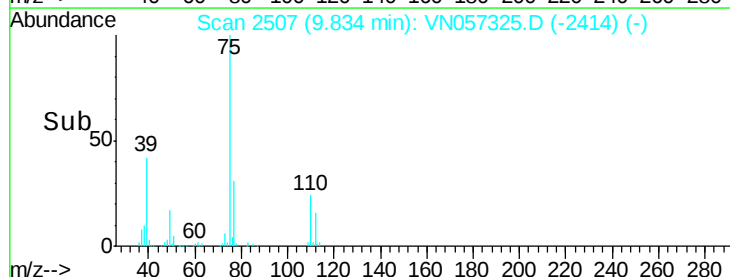
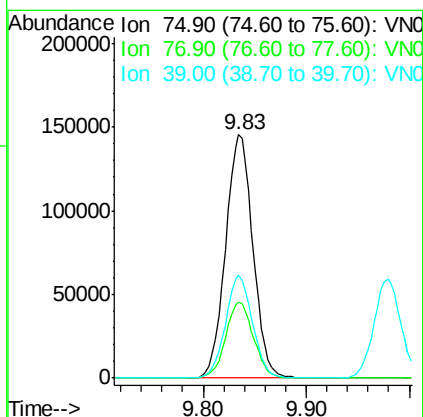
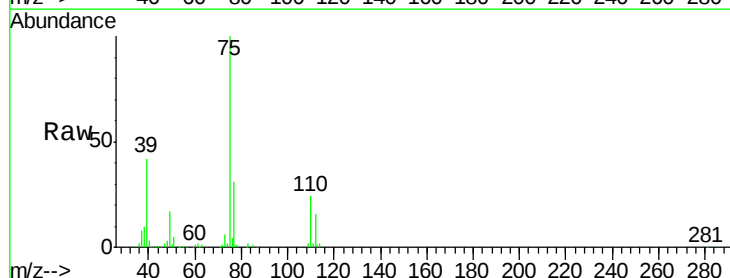
Tgt Ion: 75 Resp: 268736

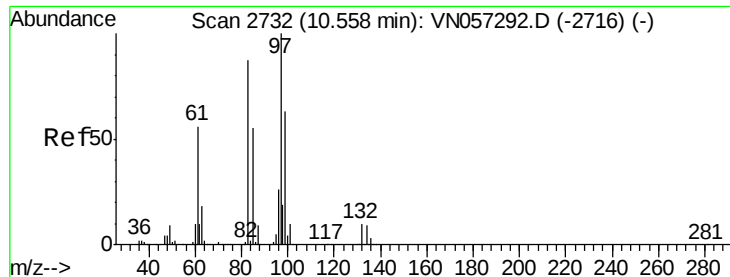
Ion Ratio Lower Upper

75 100

77 31.4 24.9 37.3

39 42.1 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 19.302 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

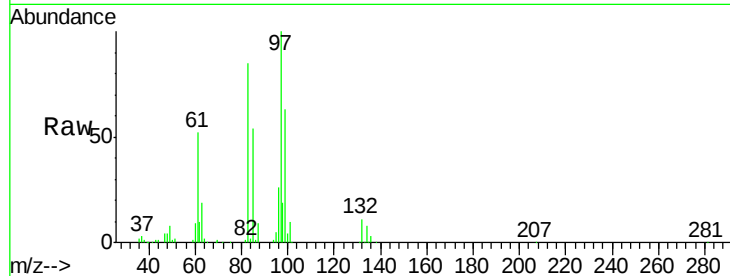
ClientSampleId :

VN0816WBSD01

Tot Ion:	97	Resp:	166869
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.8	104.8
85	54.3	44.1	66.1
99	63.1	50.2	75.2

Manual Integrations
APPROVED

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8/19/2019 1:54:05 AM

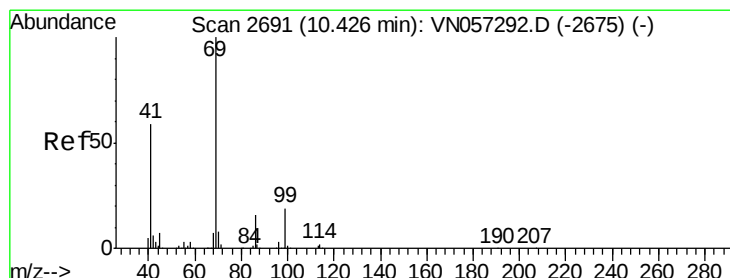
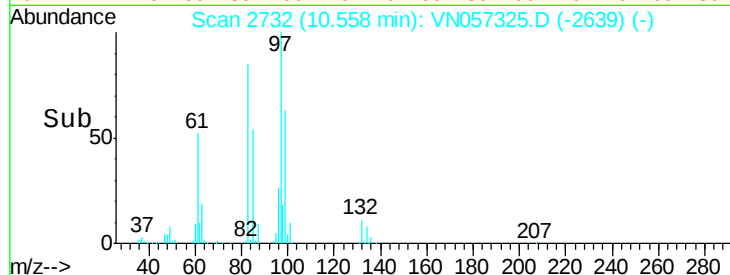
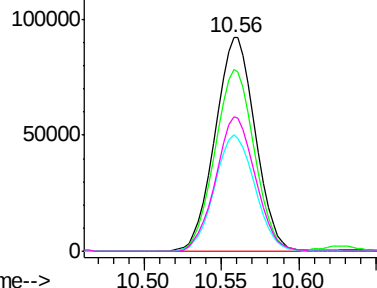


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.205 ug/l

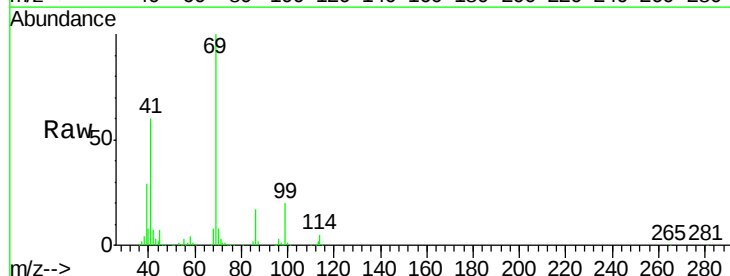
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

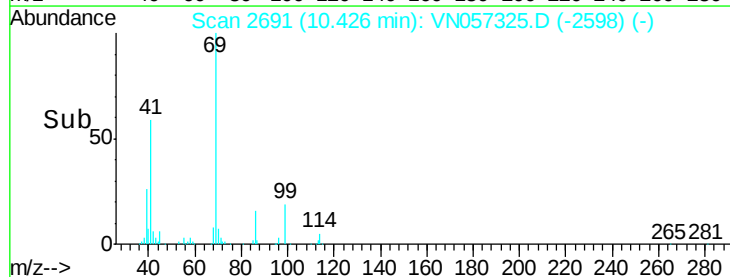
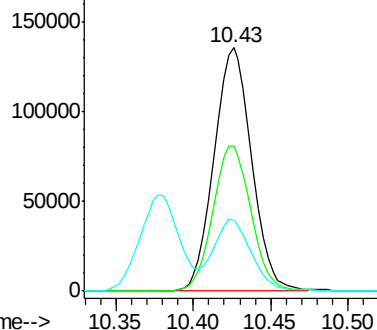
Tgt Ion:	69	Resp:	229674
Ion	Ratio	Lower	Upper
69	100		
41	60.0	48.2	72.2
39	29.4	23.4	35.0

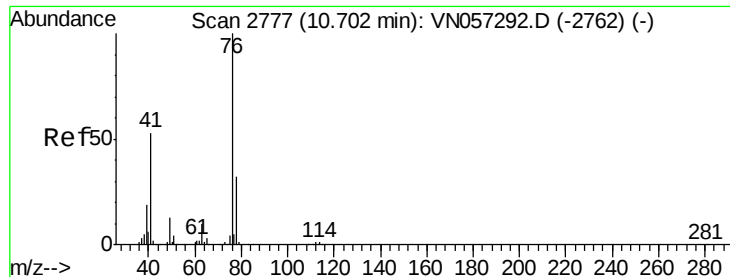


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.789 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 76 Resp: 271345

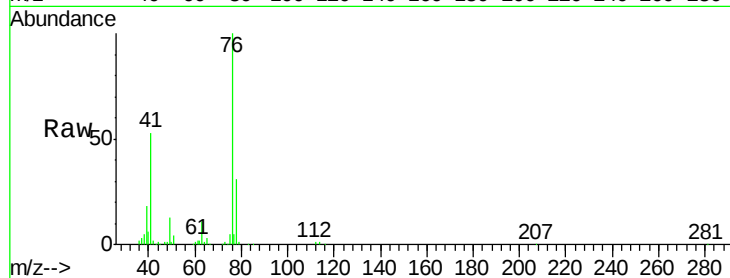
Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

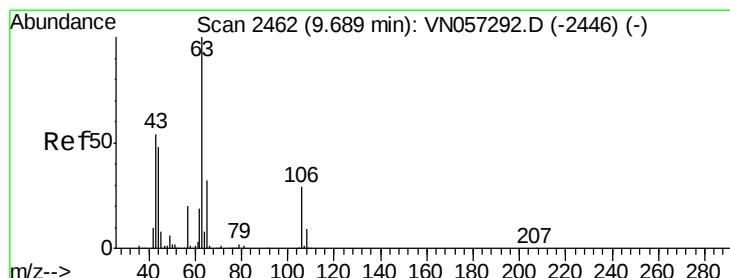
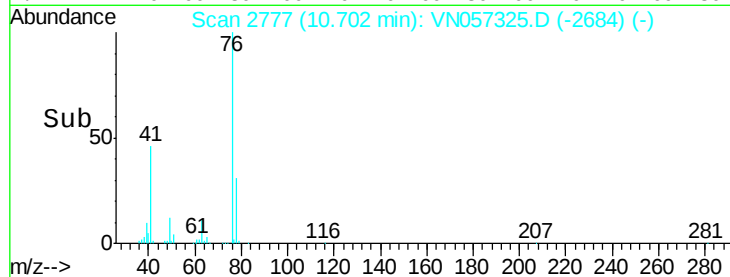
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 86.284 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057325.D

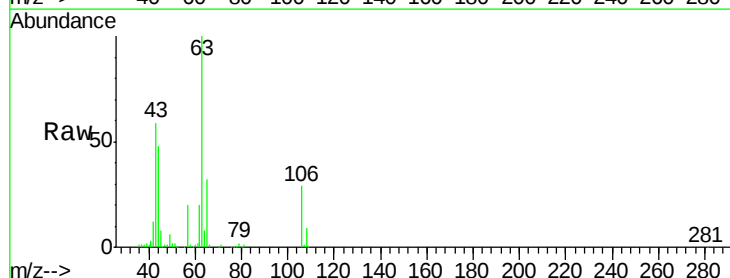
Acq: 15 Aug 2019 12:39

Tgt Ion: 63 Resp: 279181

Ion Ratio Lower Upper

63 100

106 29.6 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

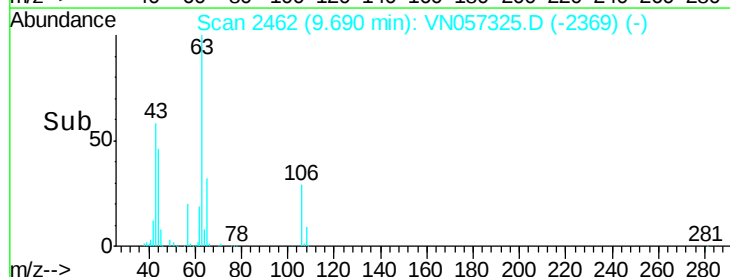
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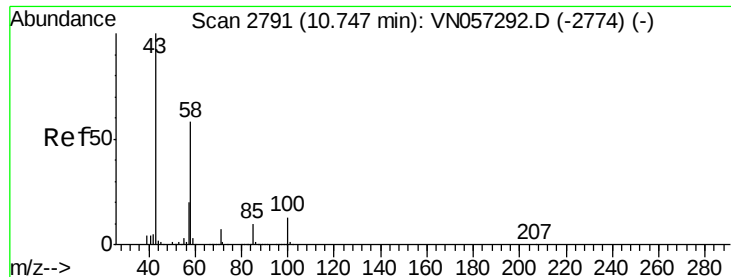
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50000

0

Time-->





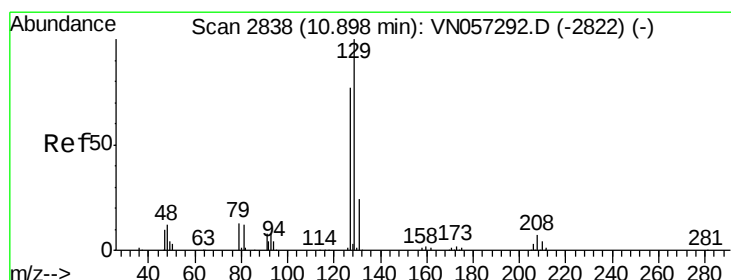
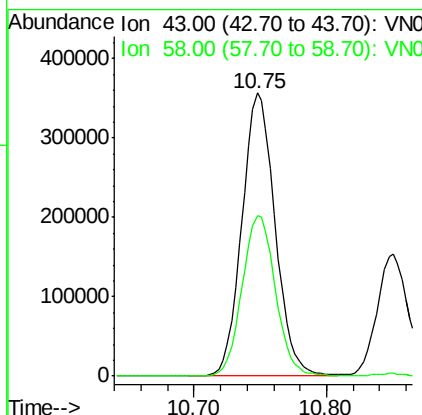
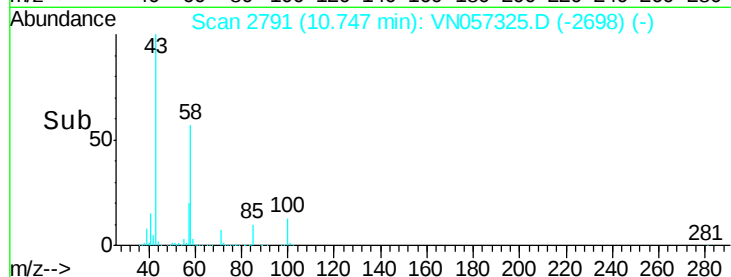
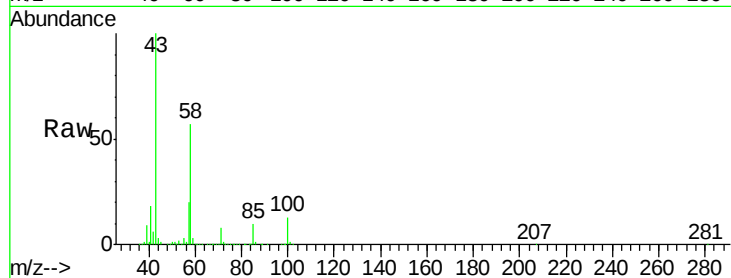
#59
2-Hexanone
Concen: 88.162 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion: 43 Resp: 618462
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.9

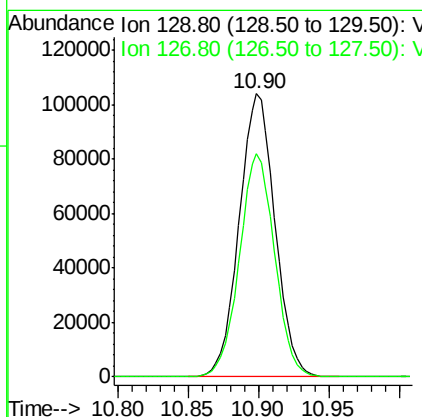
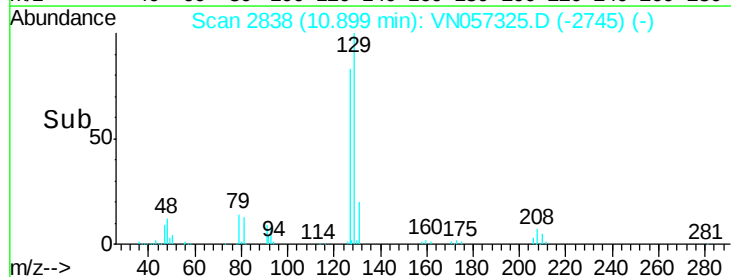
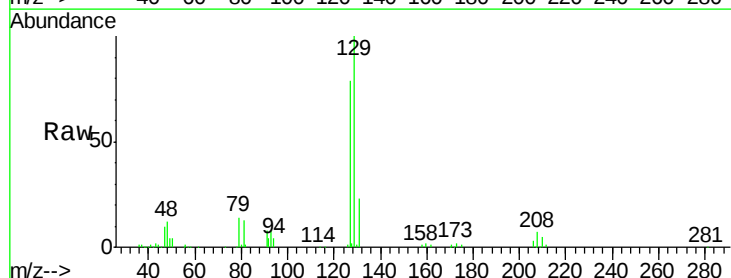
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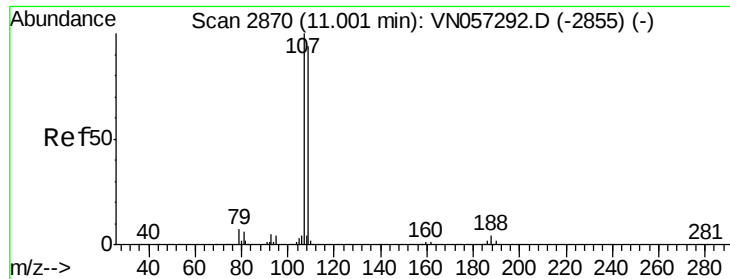
MMDadoda
8/19/2019 1:54:05 AM



#60
Dibromochloromethane
Concen: 19.078 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion: 129 Resp: 184824
Ion Ratio Lower Upper
129 100
127 77.5 39.0 116.9





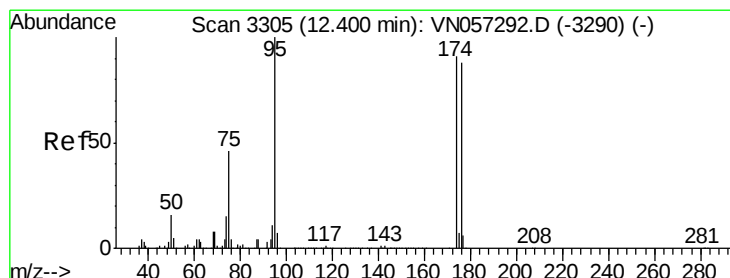
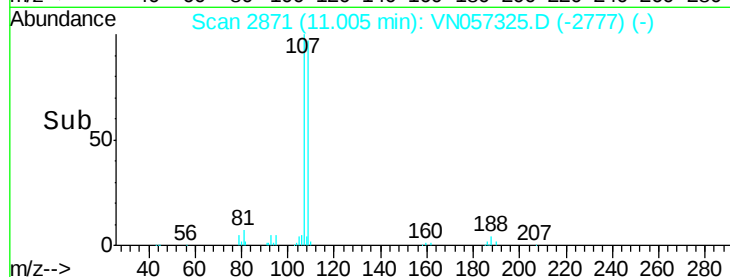
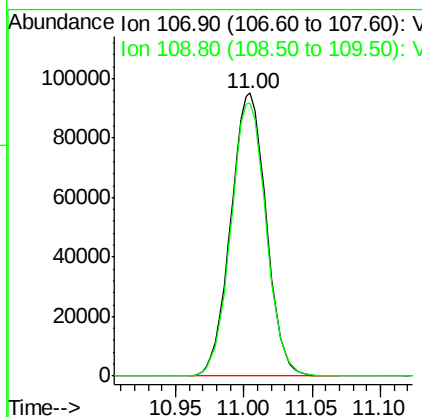
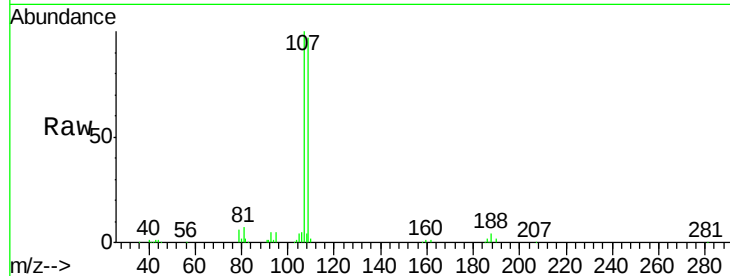
#61
 1,2-Dibromoethane
 Concen: 18.598 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.7	113.5

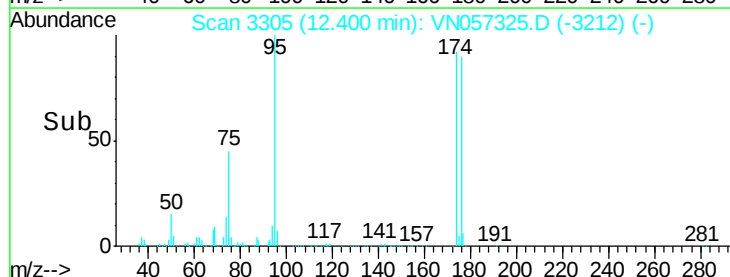
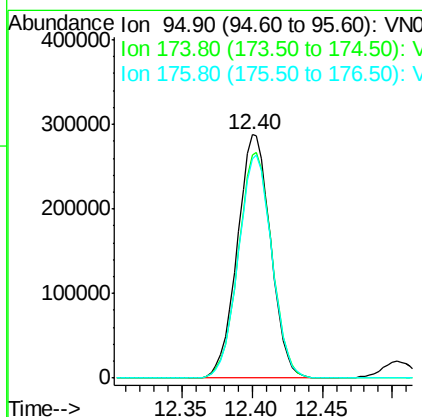
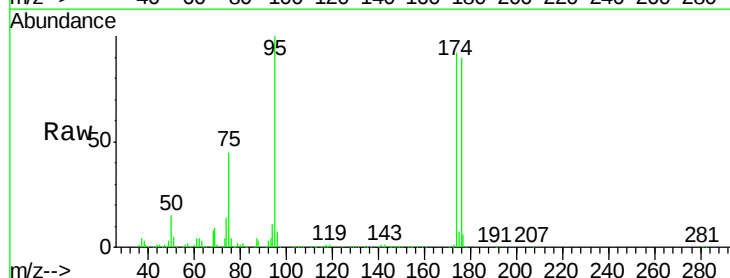
Manual Integrations
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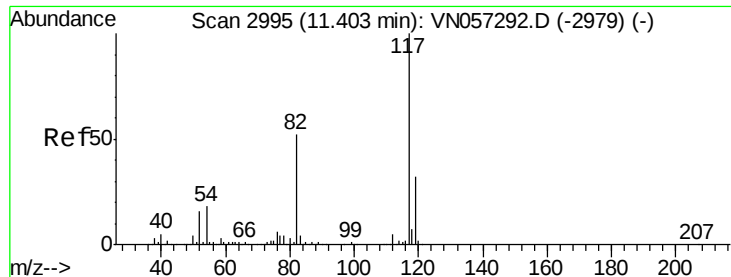
MMDadoda
 8/19/2019 1:54:05 AM



#62
 4-Bromofluorobenzene
 Concen: 43.102 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	185.0
176	91.8	0.0	181.0





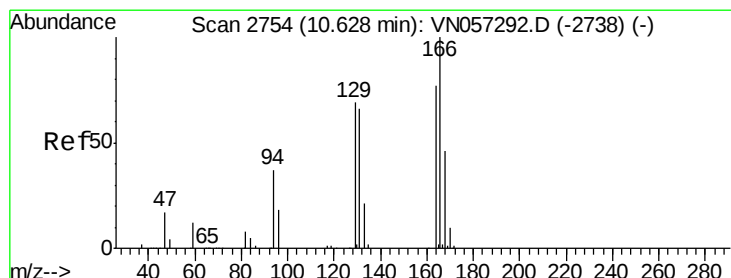
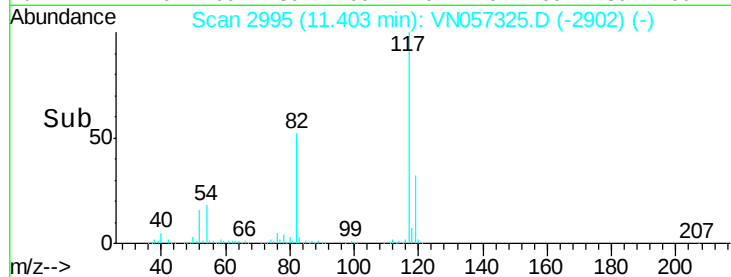
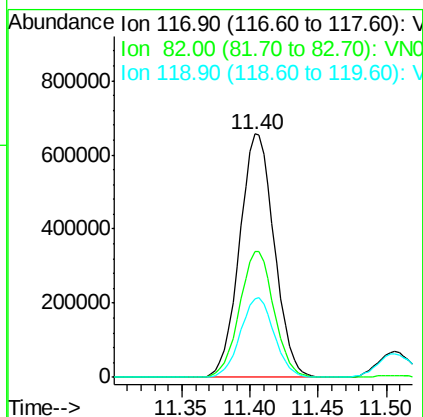
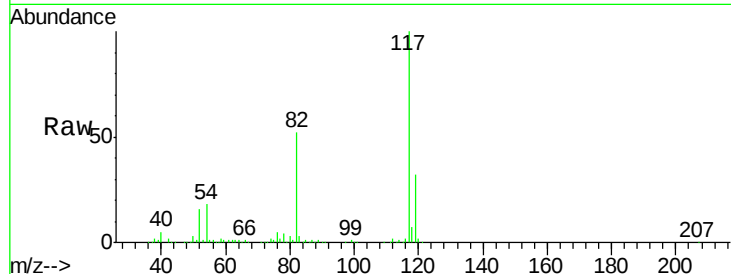
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	41.2	61.8
119	32.4	25.8	38.8

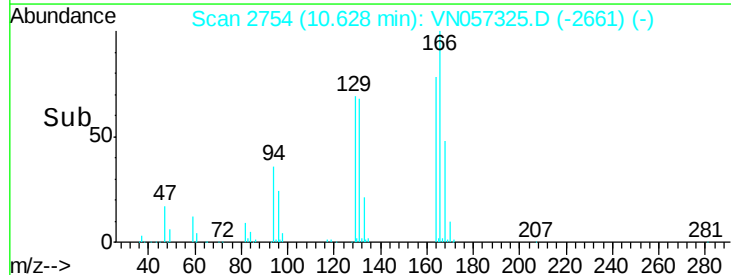
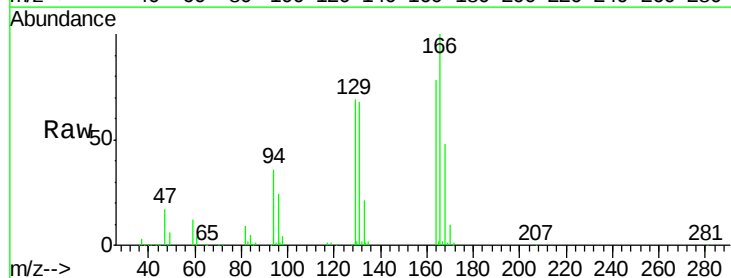
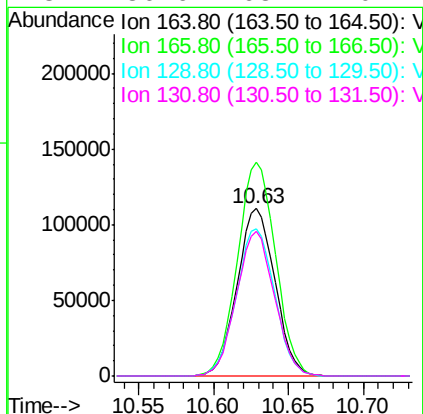
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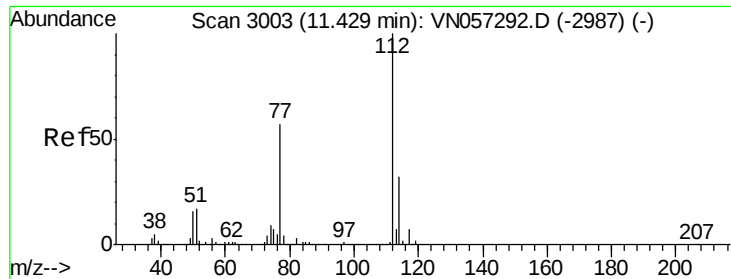
MMdadoda
8/19/2019 1:54:05 AM



#64
Tetrachloroethene
Concen: 19.456 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	103.5	155.3
129	87.8	71.2	106.8
131	86.6	68.2	102.4





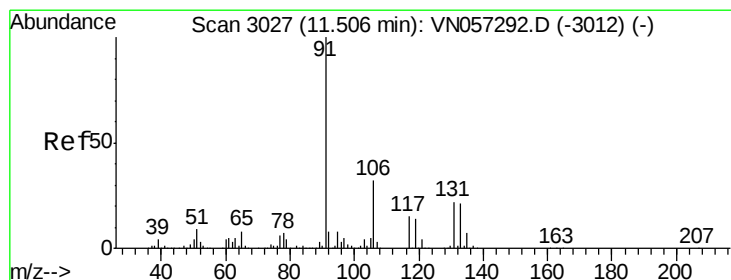
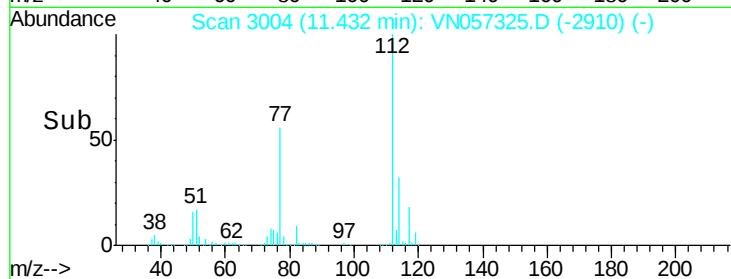
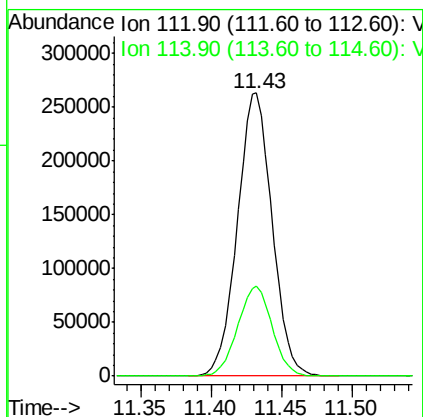
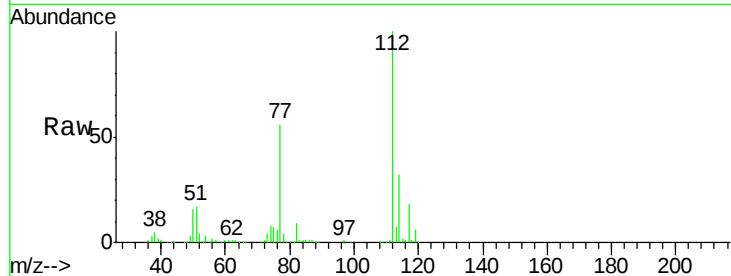
#65
Chlorobenzene
Concen: 19.226 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.7	38.5

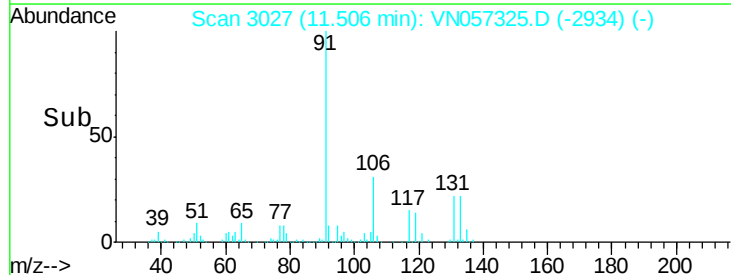
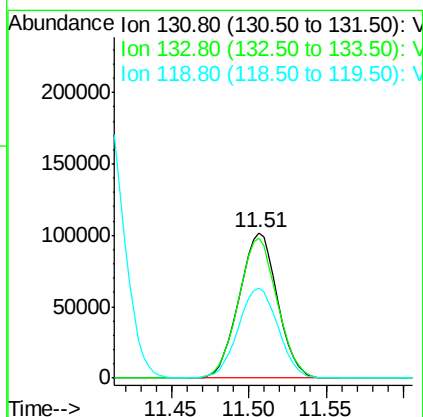
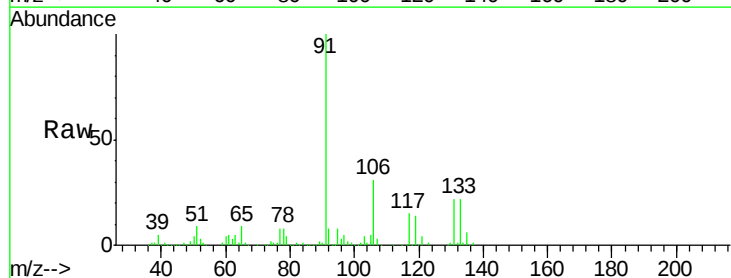
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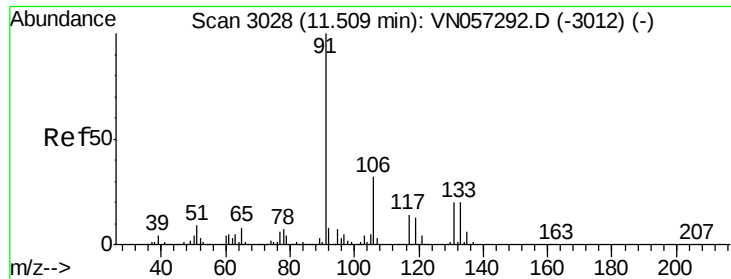
MMdadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.364 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	47.6	142.8
119	64.6	32.0	96.2





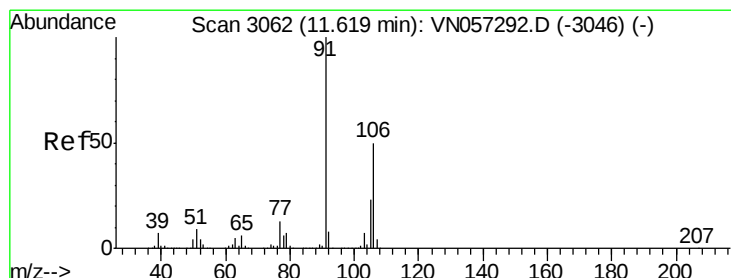
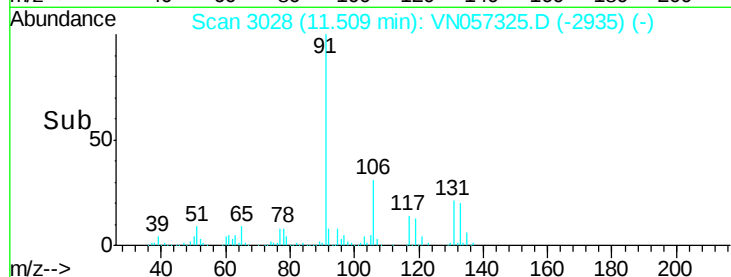
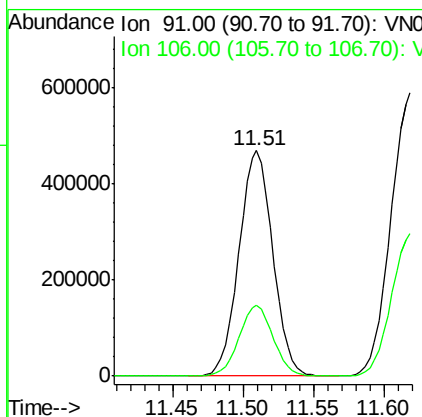
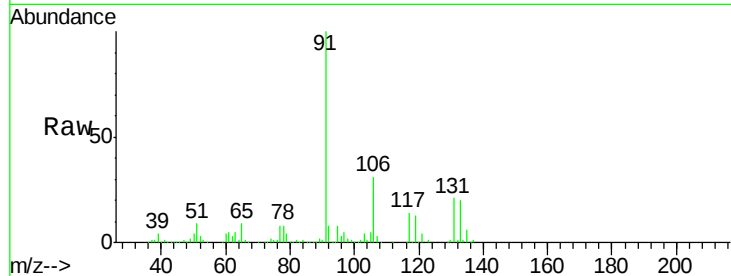
#67
Ethyl Benzene
Concen: 19.091 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	91	Resp	787372
Ion Ratio	100	Lower	Upper
106	31.4	25.5	38.3

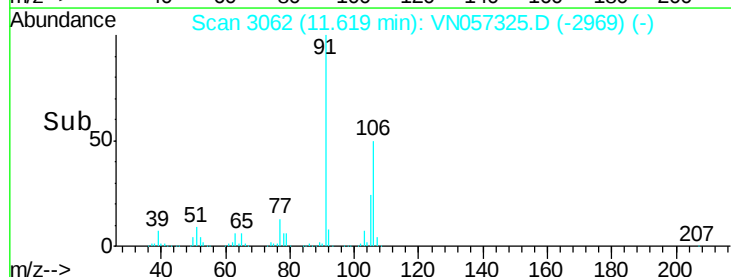
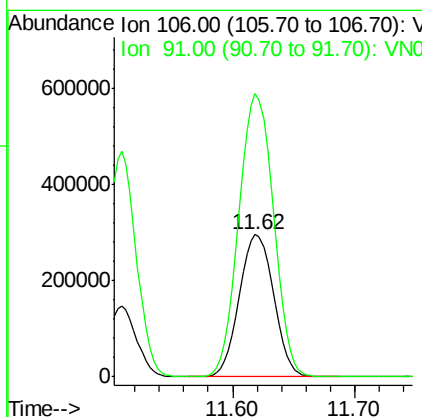
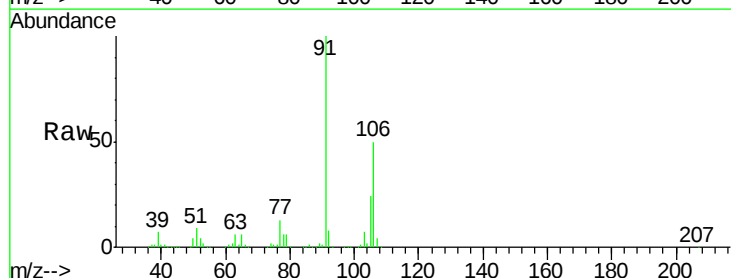
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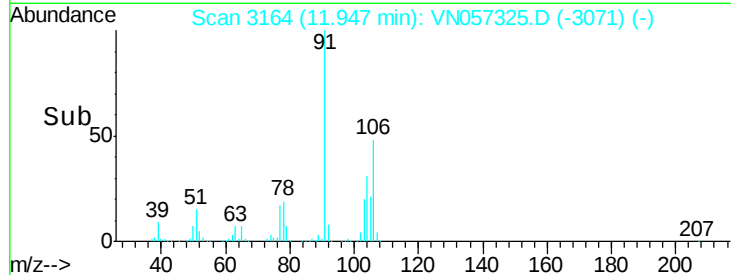
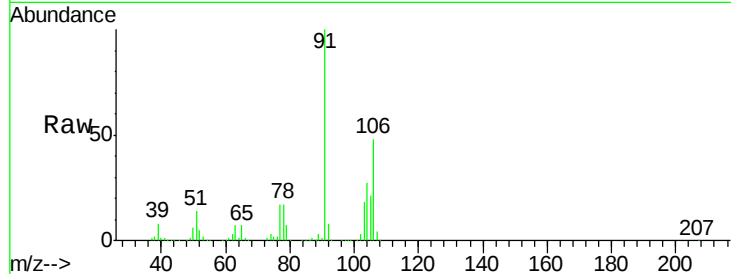
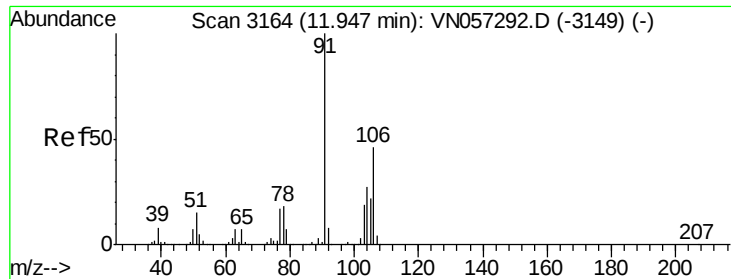
MMdadoda
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#68
m/p-Xylenes
Concen: 38.031 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	106	Resp	577906
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	200.4	161.5	242.3





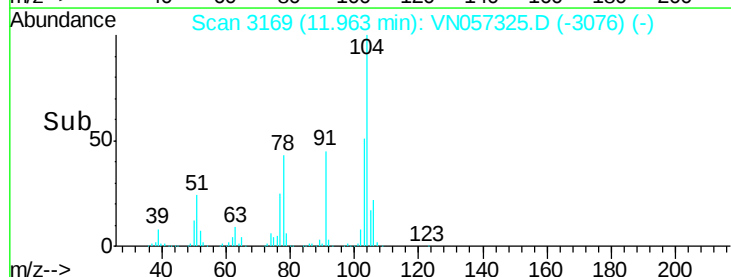
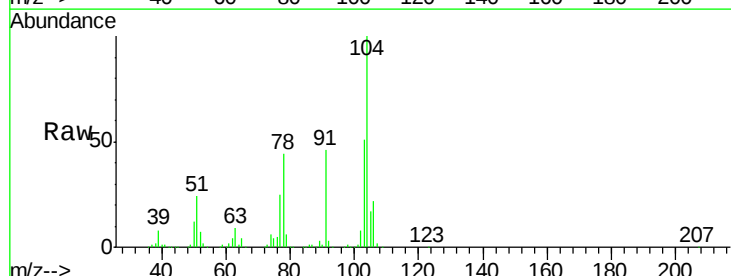
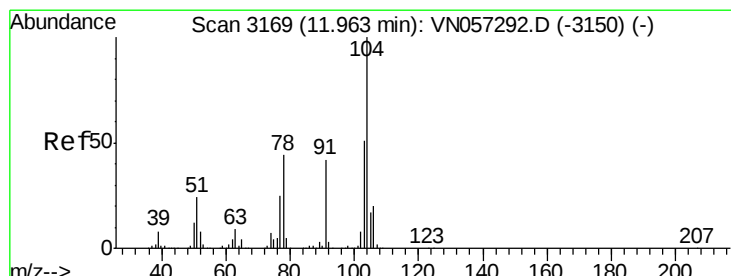
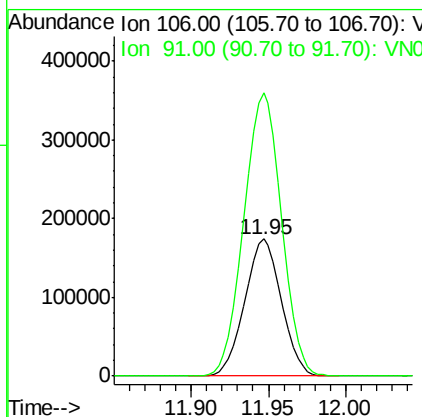
#69
o-Xylene
Concen: 19.276 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	287602		
91	91	212.1	106.3	319.0	

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

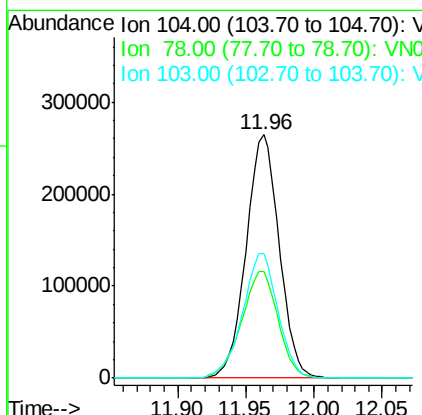
Manual Integrations
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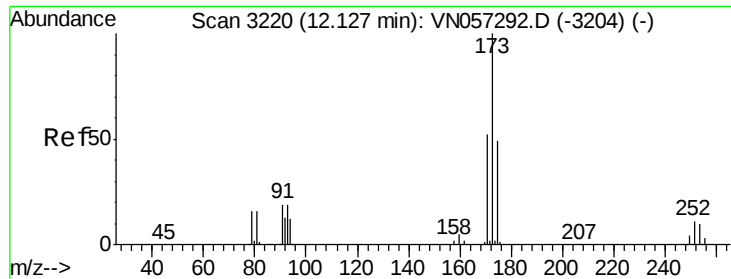
MMdadoda
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#70
Styrene
Concen: 18.720 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	445221		
78	78	48.6	39.2	58.8	
103	103	54.7	44.6	66.8	





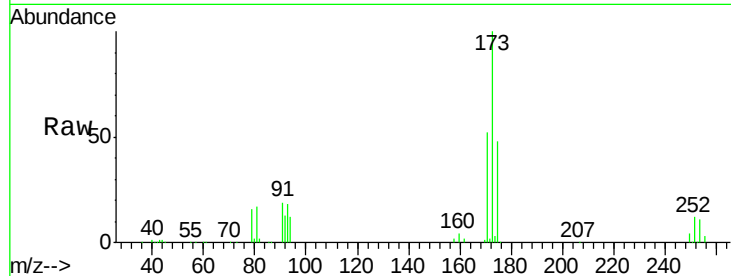
#71
Bromoform
Concen: 19.363 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

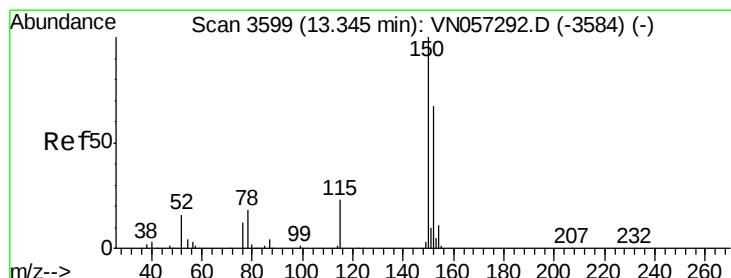
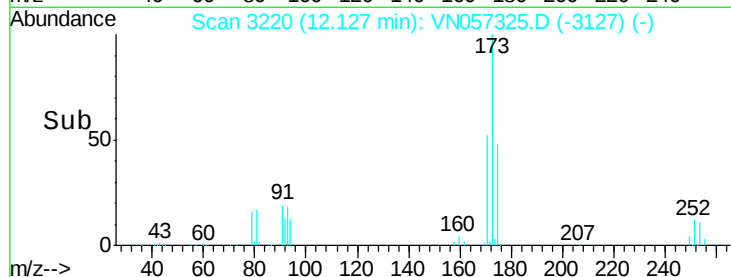
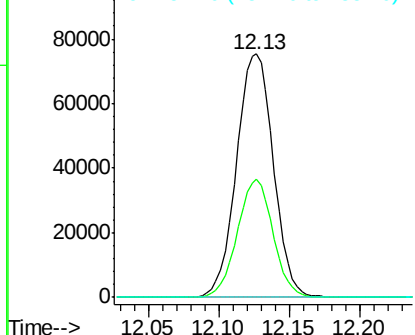
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.2	72.6
254	0.0	0.2	0.2

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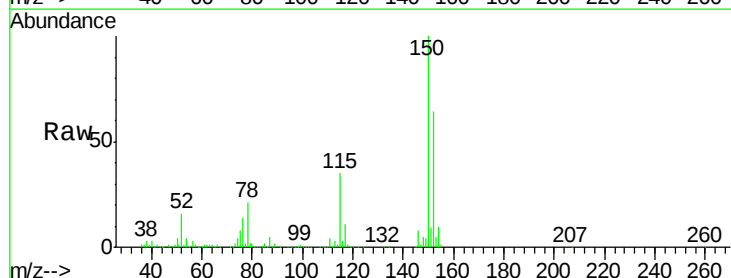


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

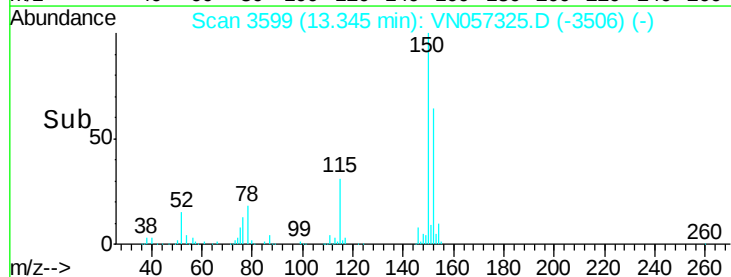
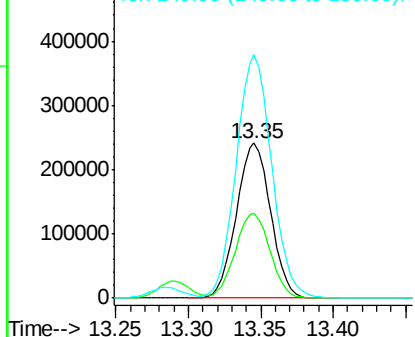


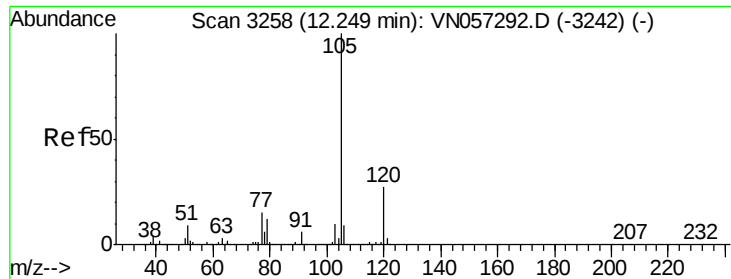
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.3	81.9
150	163.4	0.0	344.4



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





#73

Isopropylbenzene

Concen: 22.488 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion: 105 Resp: 764654

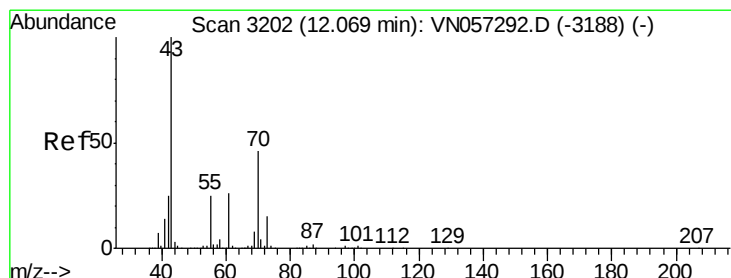
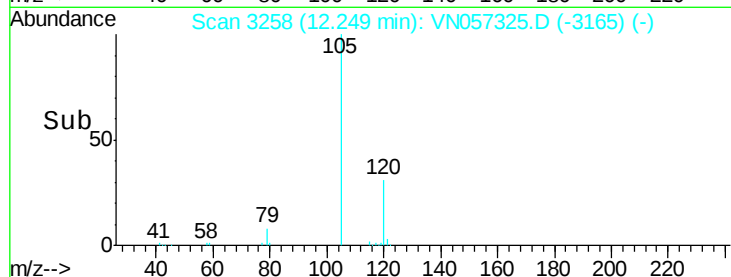
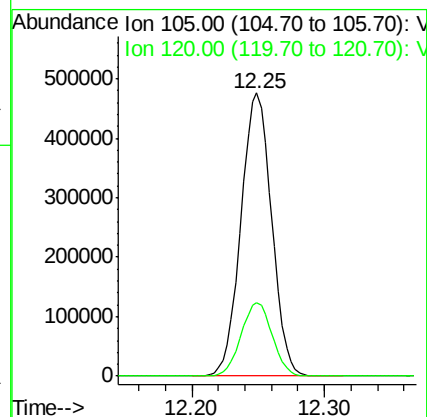
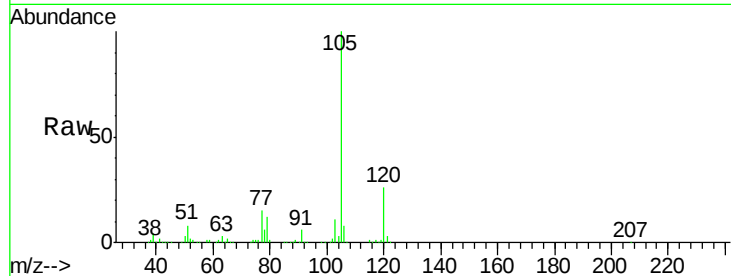
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.791 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion: 43 Resp: 215307

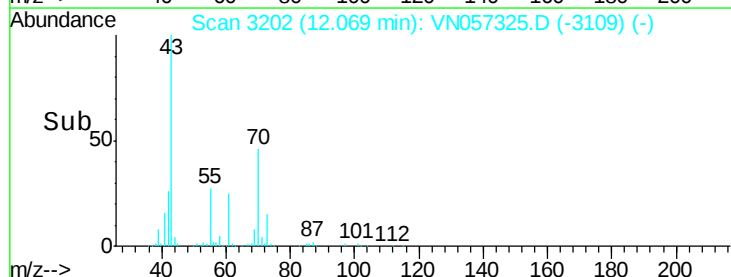
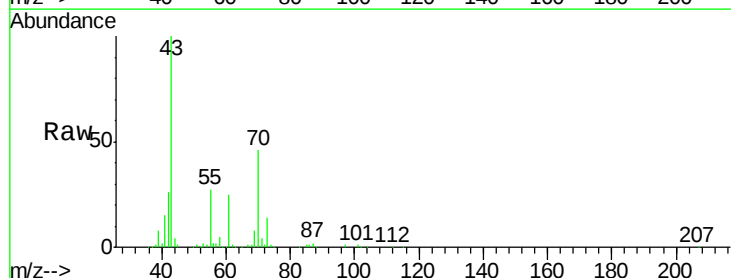
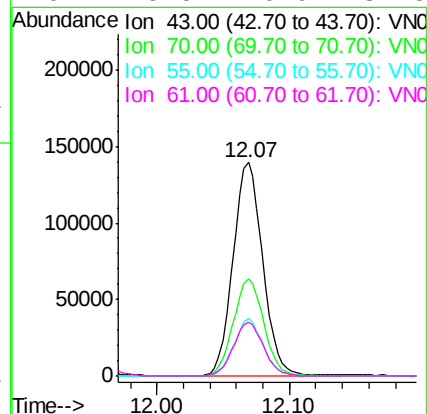
Ion Ratio Lower Upper

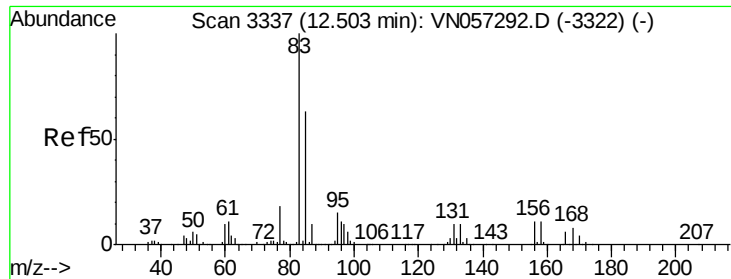
43 100

70 47.2 36.2 54.2

55 26.6 20.1 30.1

61 25.8 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.981 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

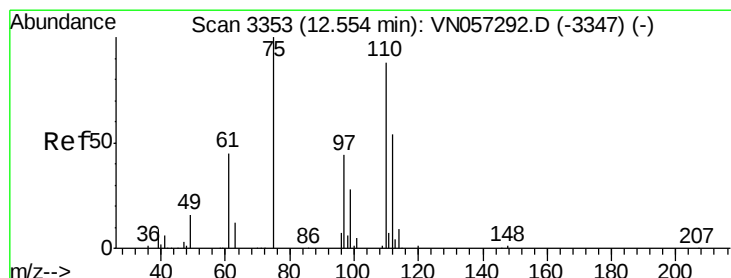
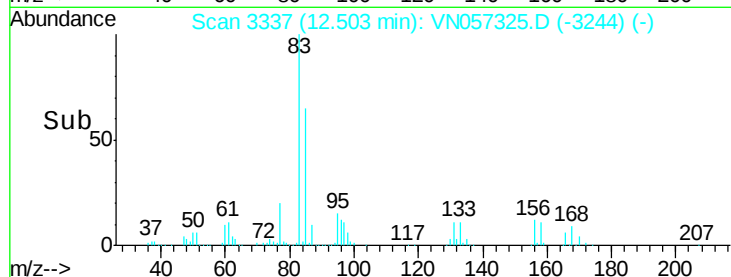
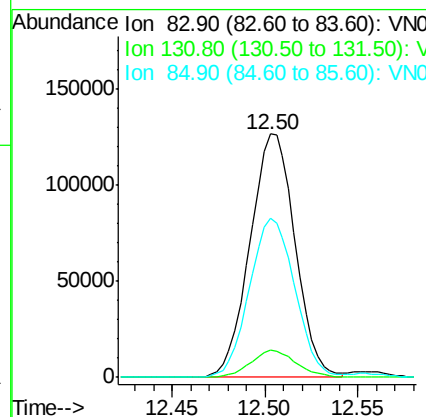
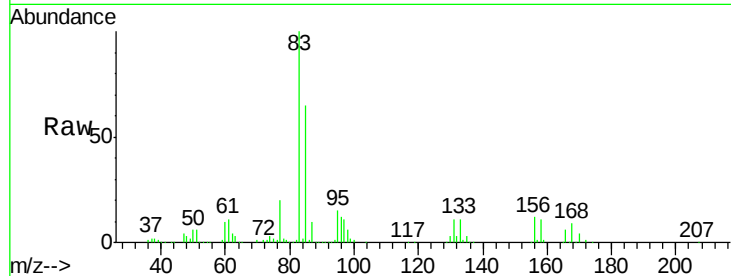
ClientSampleId :

VN0816WBSD01

Tot Ion:	83	Resp:	214931
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	65.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.871 ug/l m

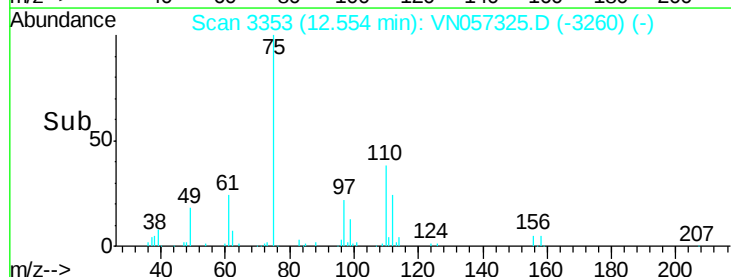
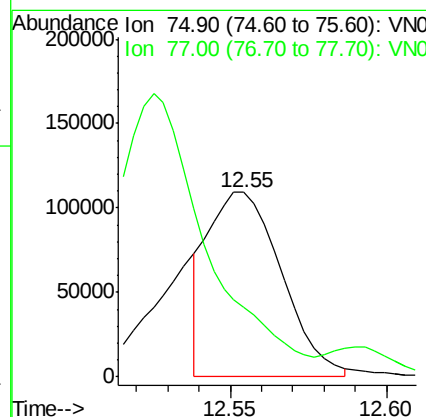
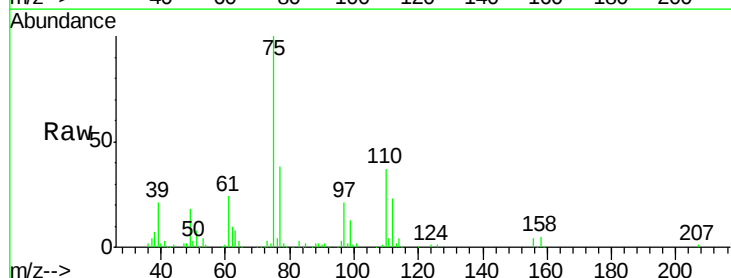
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion:	75	Resp:	178188
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.703 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

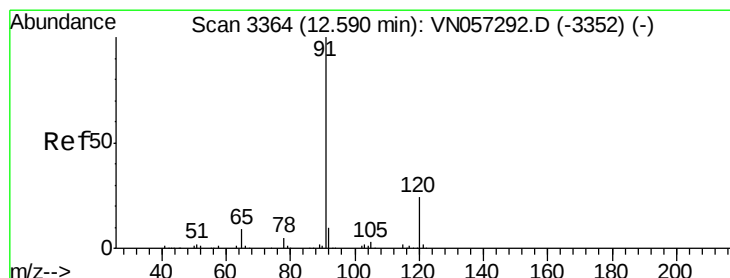
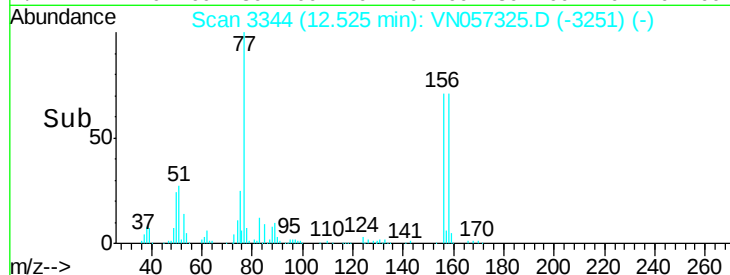
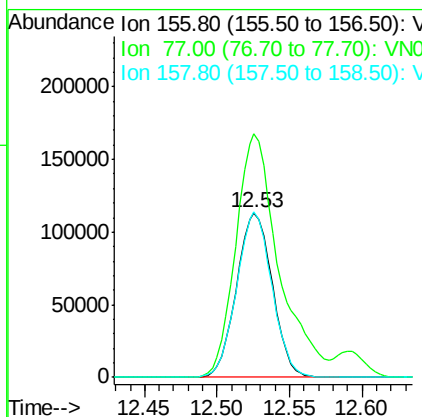
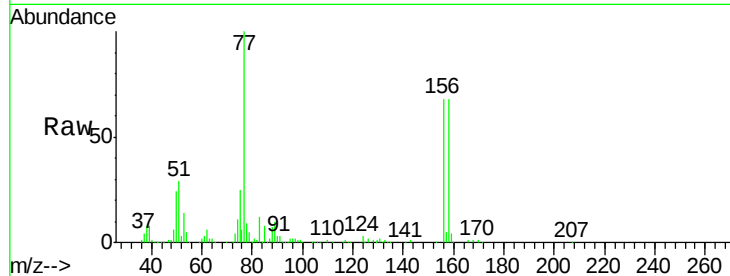
ClientSampleId :

VN0816WBSD01

Tot Ion:	156	Resp:	194023
Ion Ratio	Lower	Upper	
156	100		
77	178.9	89.8	269.6
158	99.3	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 19.283 ug/l

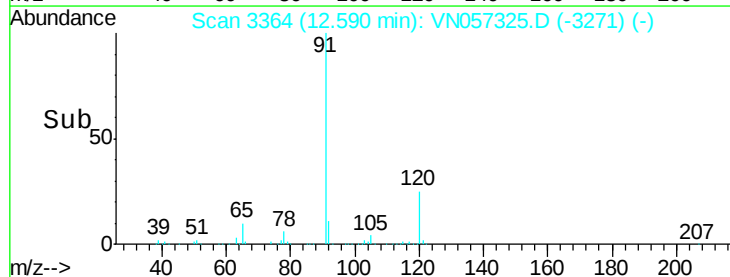
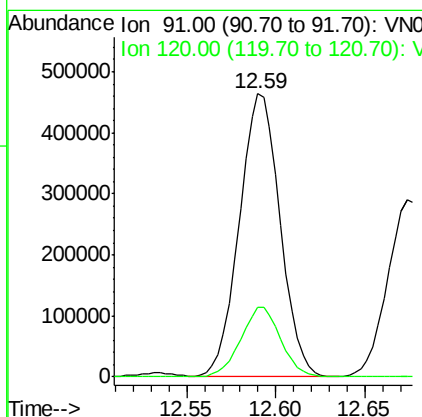
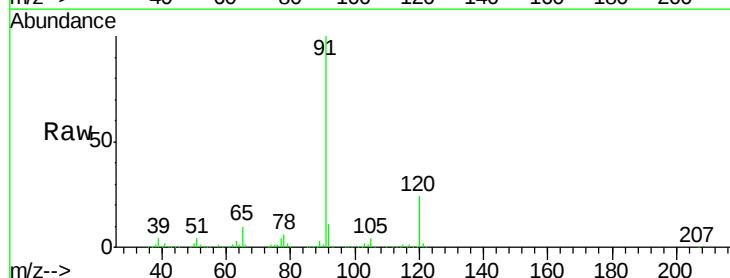
RT: 12.59 min Scan# 3364

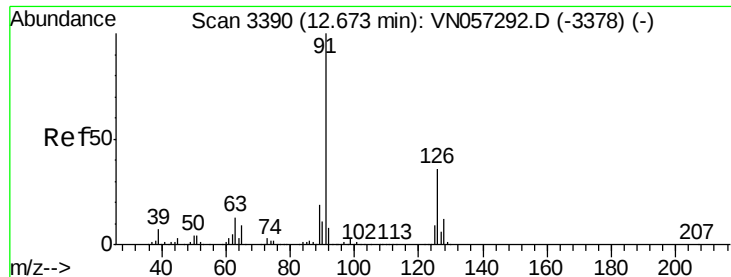
Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion:	91	Resp:	733209
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.9	35.7





#79

2-Chlorotoluene

Concen: 21.709 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

VN0816WBSD01

Tot Ion: 91 Resp: 479066

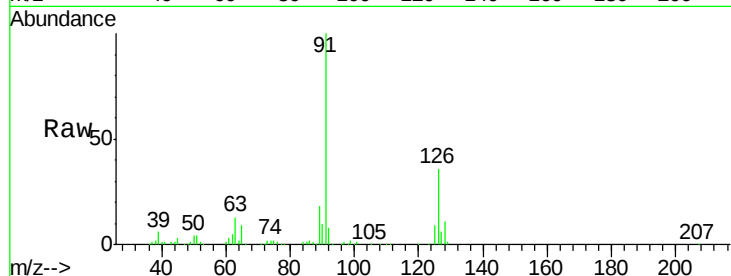
Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.1

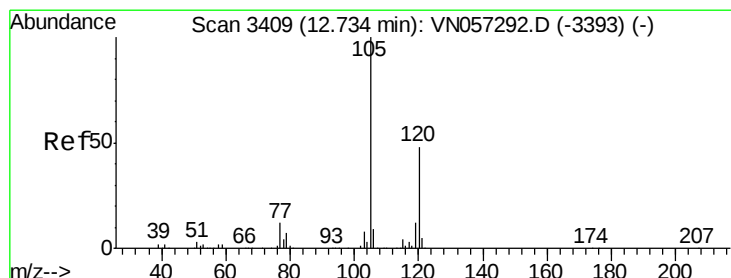
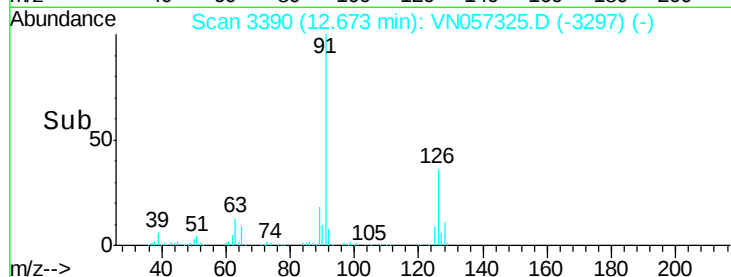
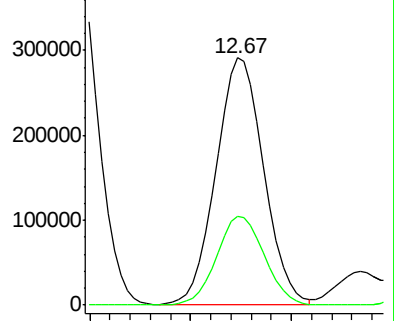
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Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.931 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057325.D

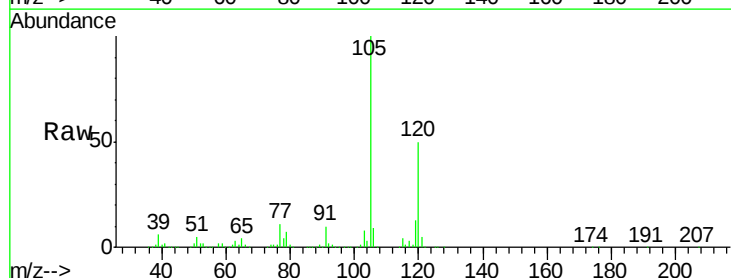
Acq: 15 Aug 2019 12:39

Tgt Ion: 105 Resp: 617175

Ion Ratio Lower Upper

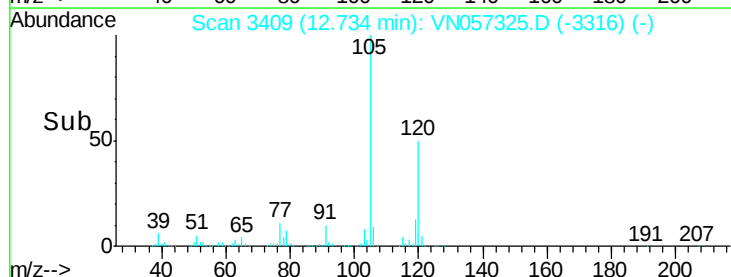
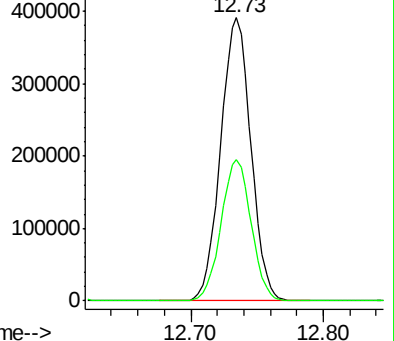
105 100

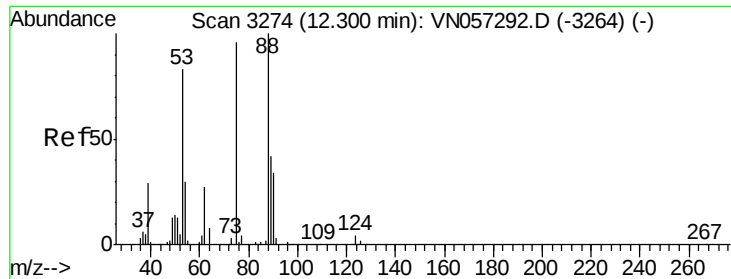
120 49.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.435 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

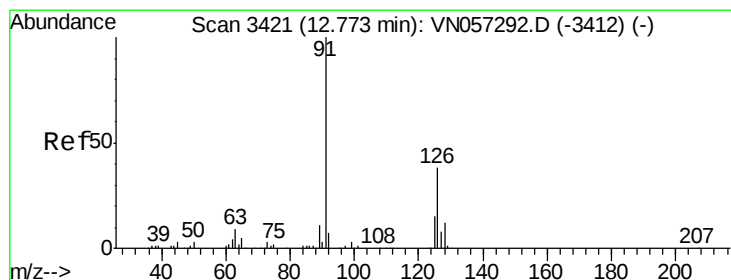
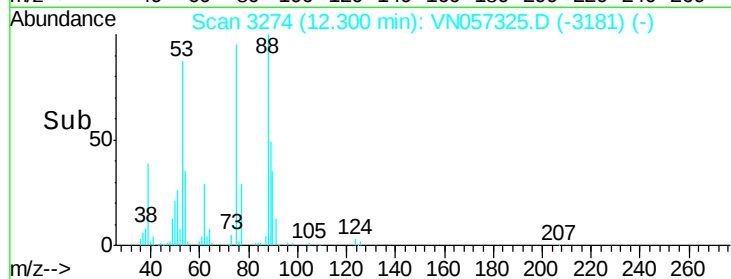
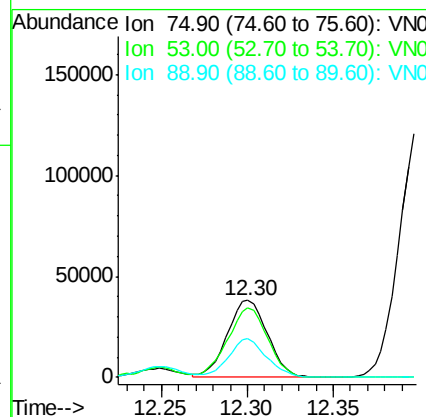
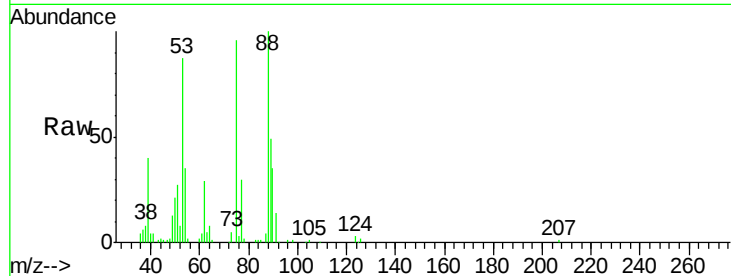
ClientSampleId :

VN0816WBSD01

Tot Ion:	75	Resp:	62934
Ion	Ratio	Lower	Upper
75	100		
53	90.3	67.9	101.9
89	47.5	36.2	54.4

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#82

4-Chlorotoluene

Concen: 18.797 ug/l

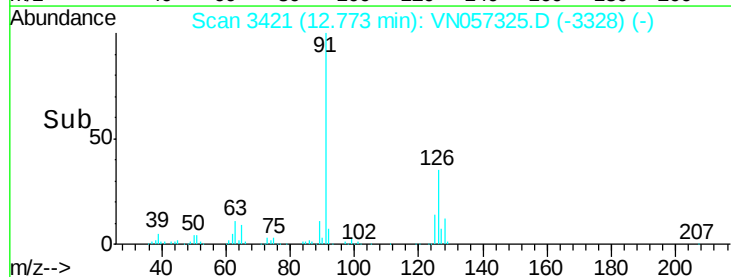
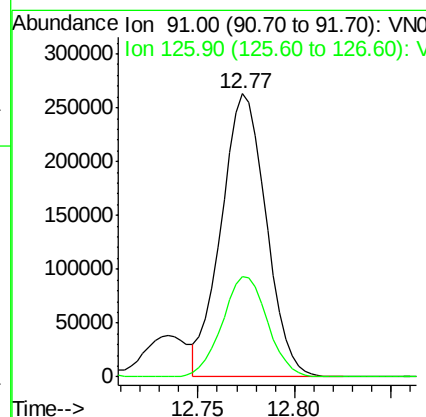
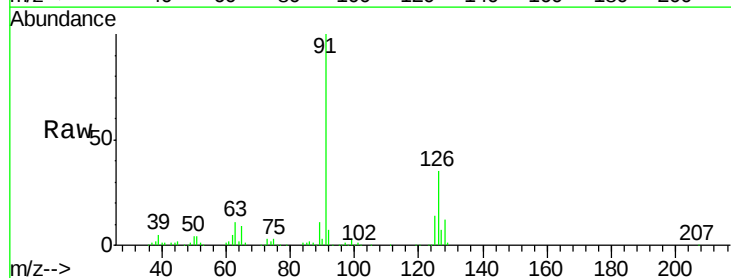
RT: 12.77 min Scan# 3421

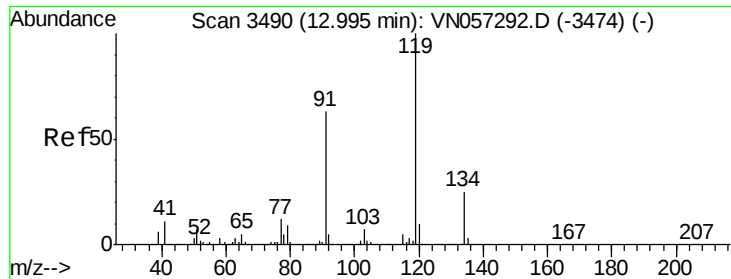
Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion:	91	Resp:	423548
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.3	51.7





#83

tert-Butylbenzene

Concen: 22.289 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

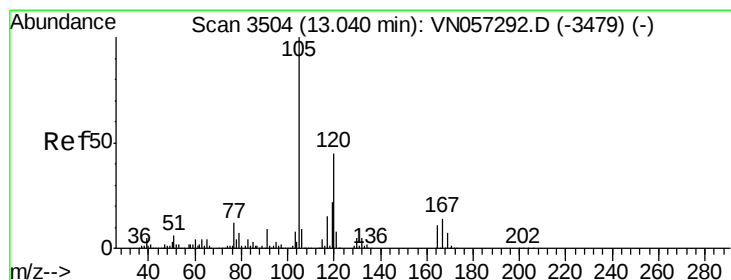
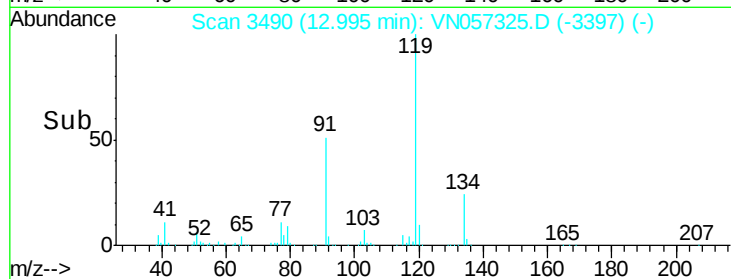
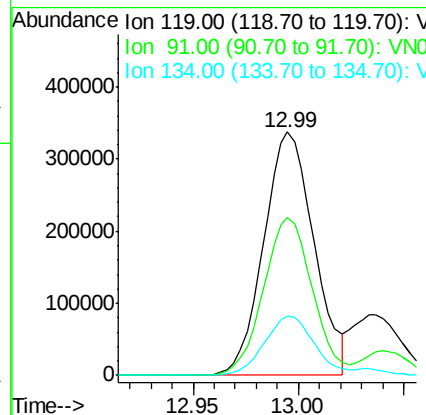
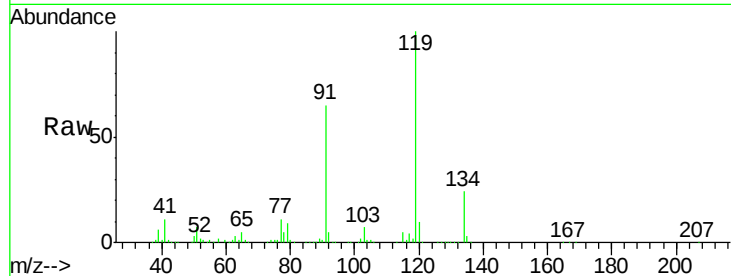
ClientSampleId :

VN0816WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	559538		
91	63.2	31.3	93.8	
134	24.4	13.1	39.1	

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#84

1,2,4-Trimethylbenzene

Concen: 20.050 ug/l

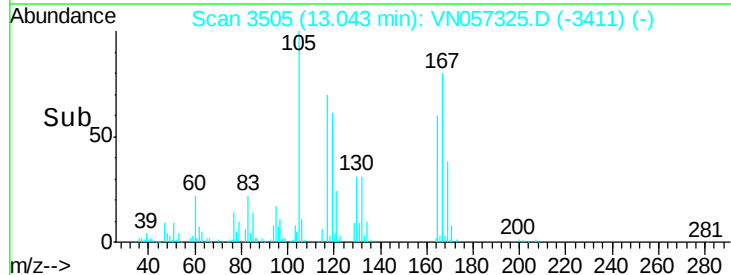
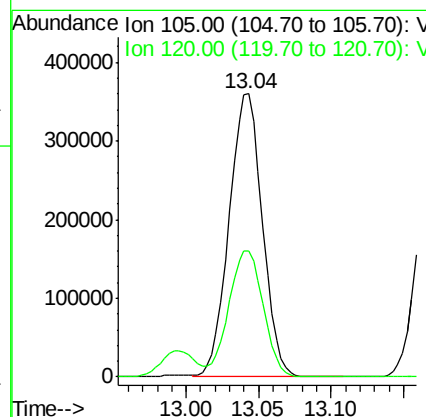
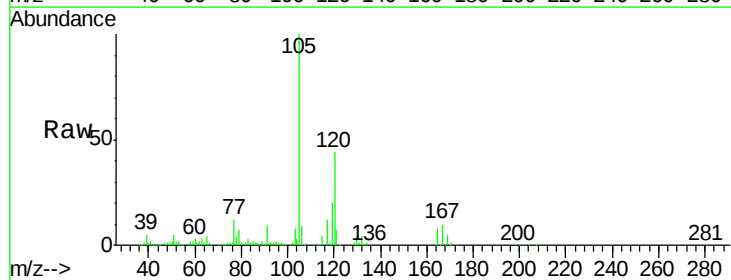
RT: 13.04 min Scan# 3505

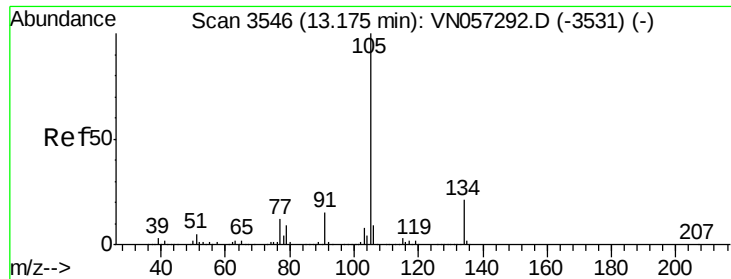
Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	570230		
120	45.9	22.6	67.7	





#85

sec-Butylbenzene

Concen: 21.206 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0816WBSD01

Tot Ion:105 Resp: 659494

Ion Ratio Lower Upper

105 100

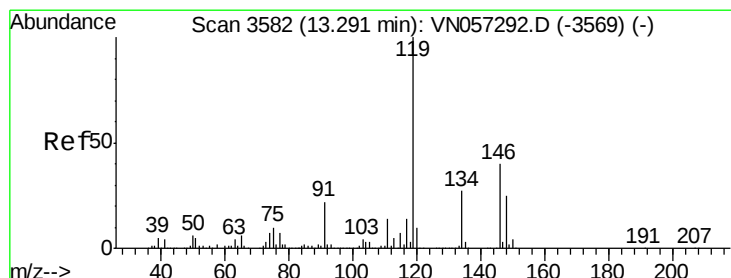
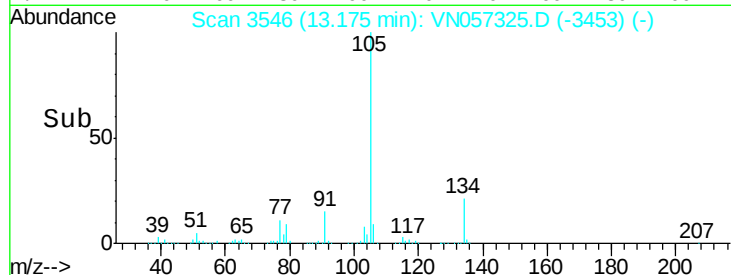
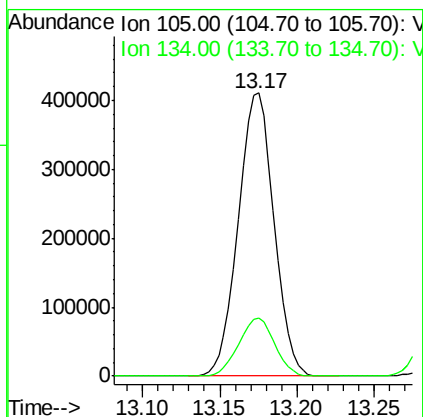
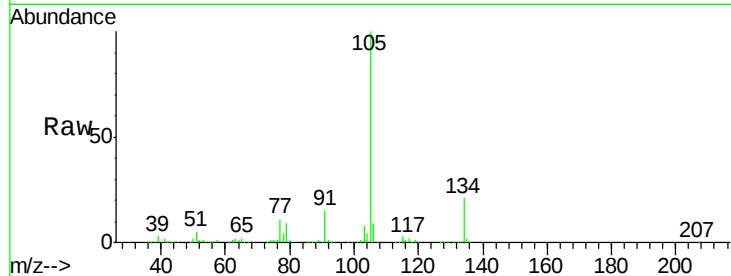
134 20.7 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.260 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

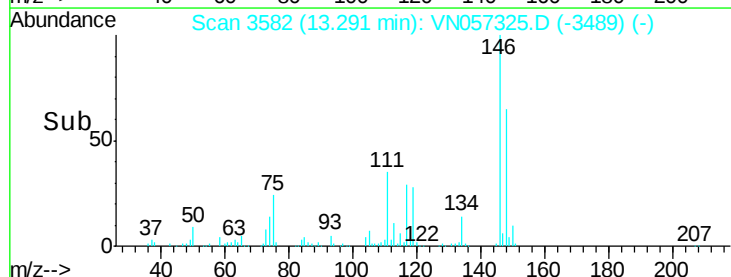
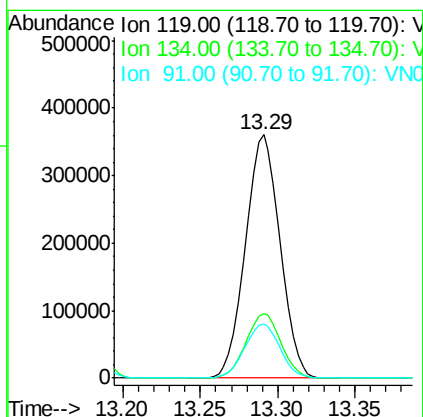
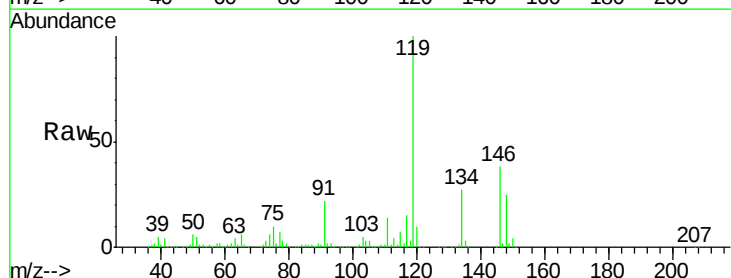
Tgt Ion:119 Resp: 560822

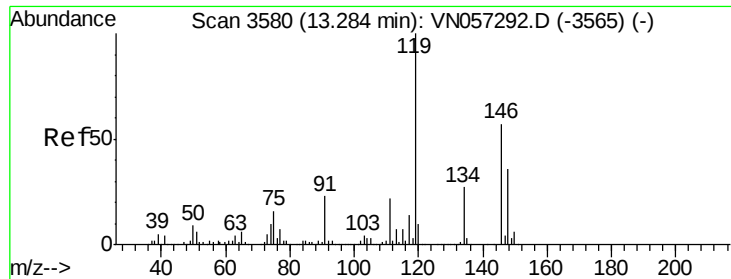
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.6 11.2 33.5





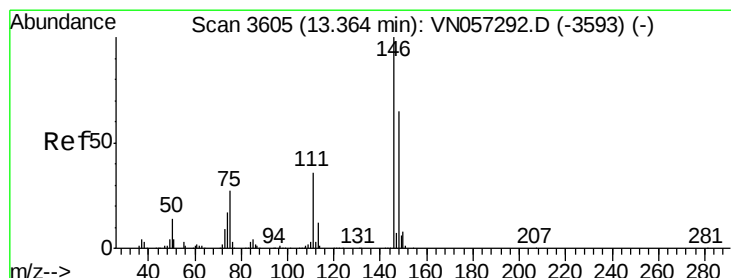
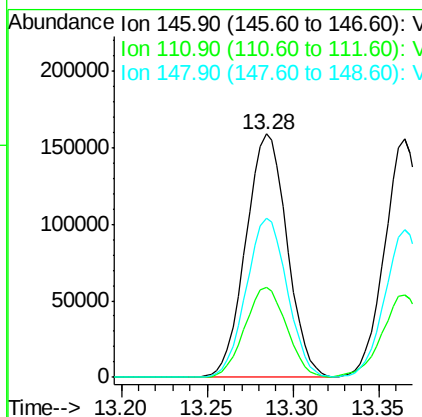
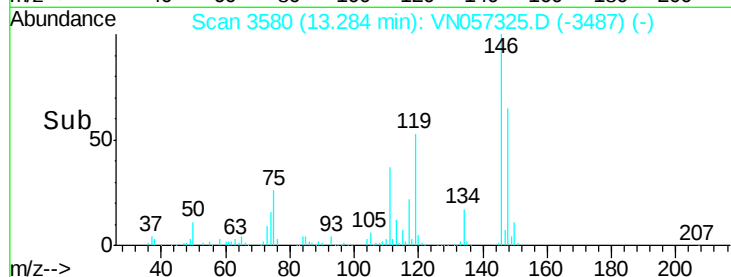
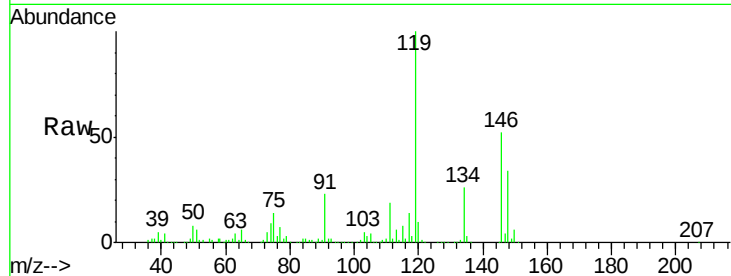
#87
 1,3-Dichlorobenzene
 Concen: 19.159 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	64.7	31.7	95.1

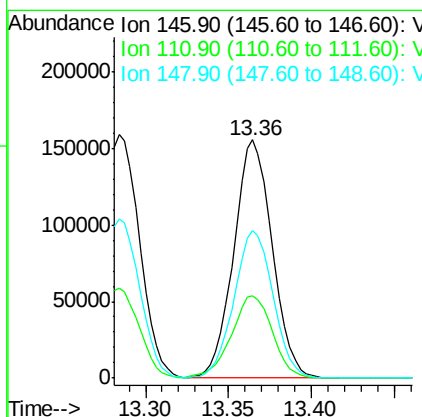
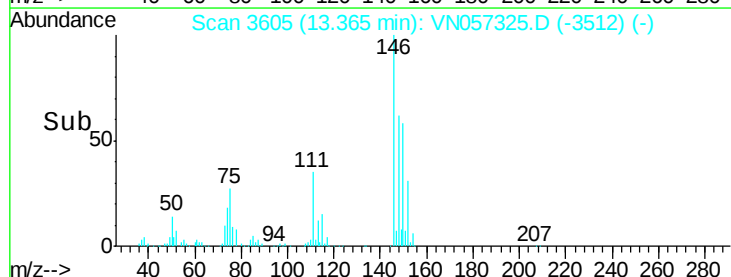
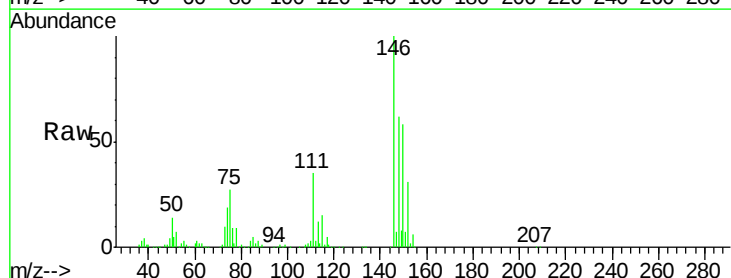
Manual Integrations
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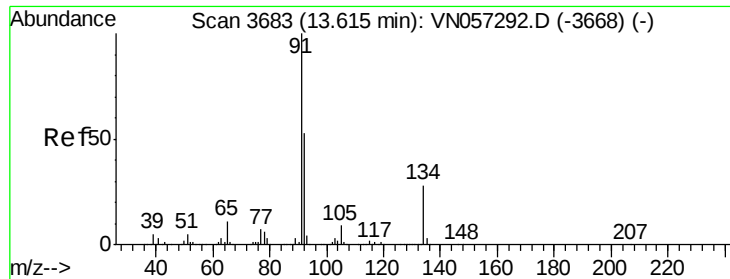
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.054 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.4
148	63.2	32.5	97.4





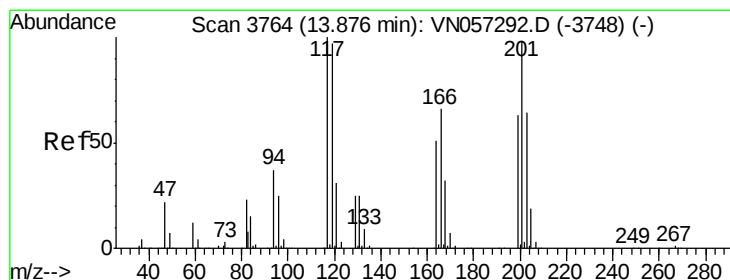
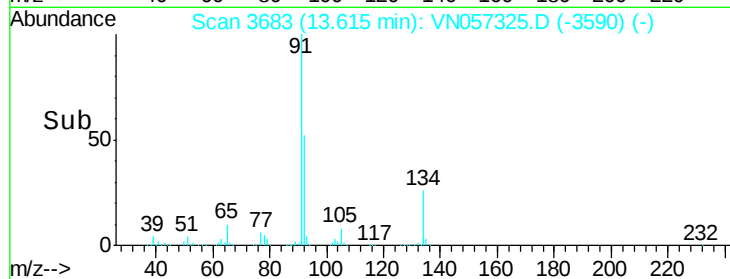
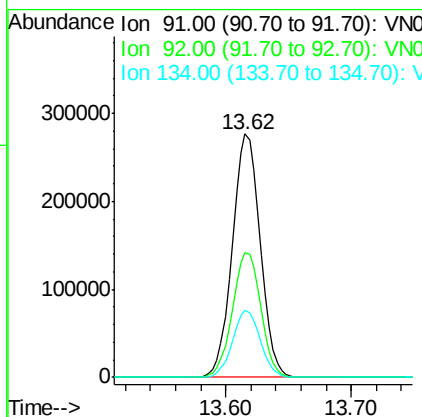
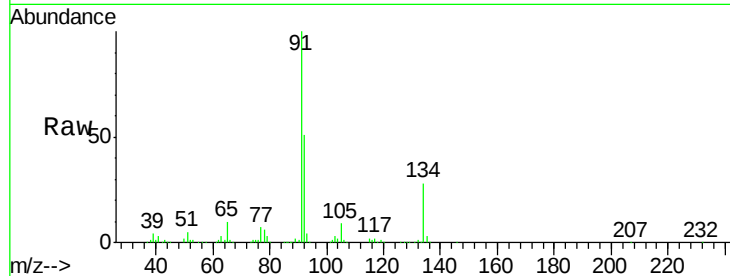
#89
n-Butylbenzene
Concen: 20.543 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	27.4	13.9	41.7

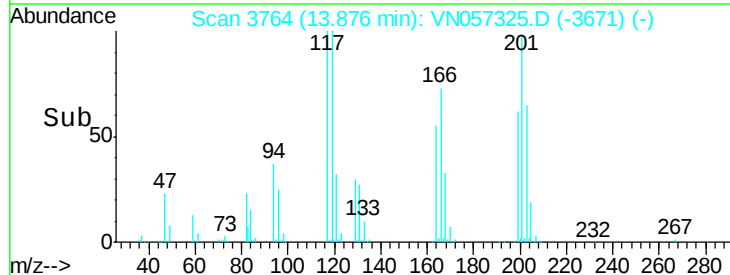
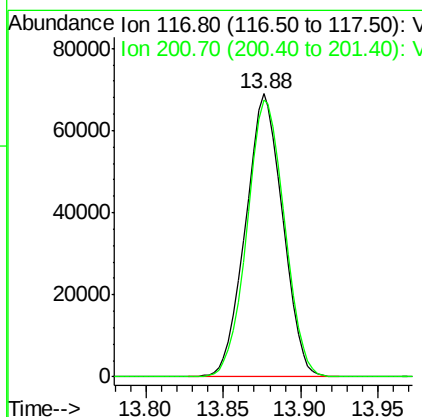
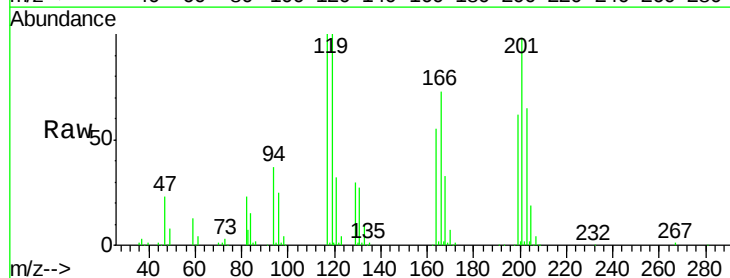
Manual Integrations
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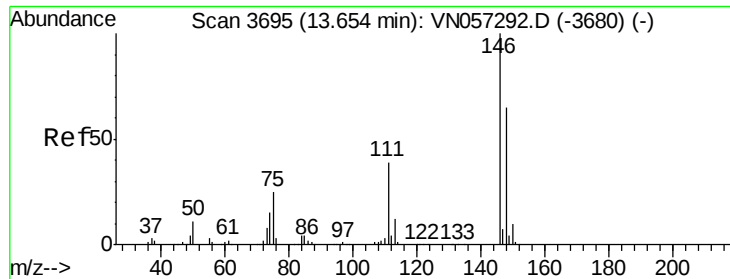
MMDadoda
8/19/2019 1:54:05 AM



#90
Hexachloroethane
Concen: 22.004 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.4	48.4	145.0





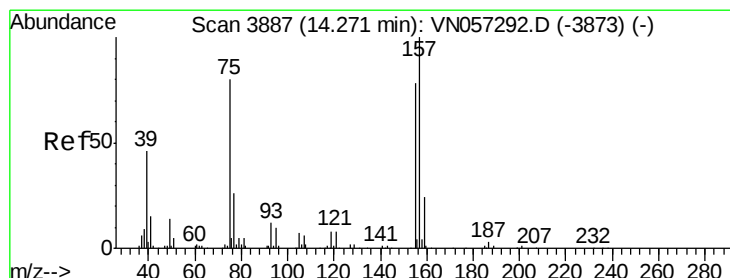
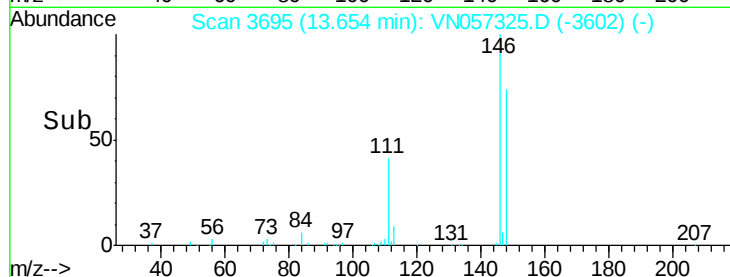
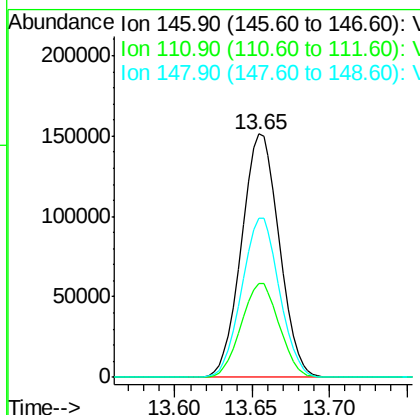
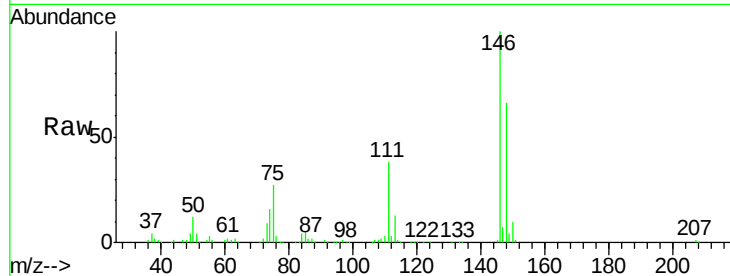
#91
 1,2-Dichlorobenzene
 Concen: 19.916 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	65.2	32.0	96.0

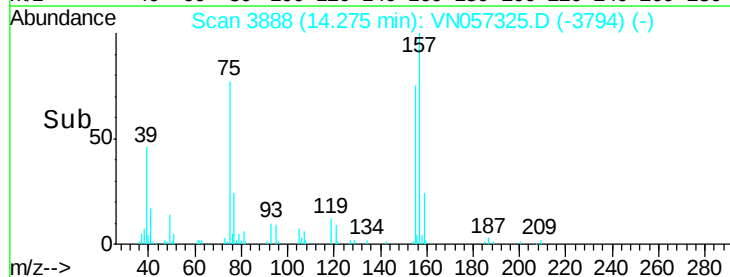
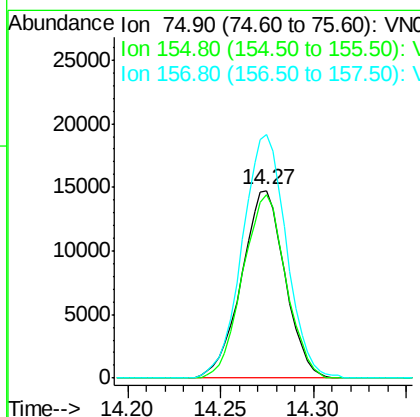
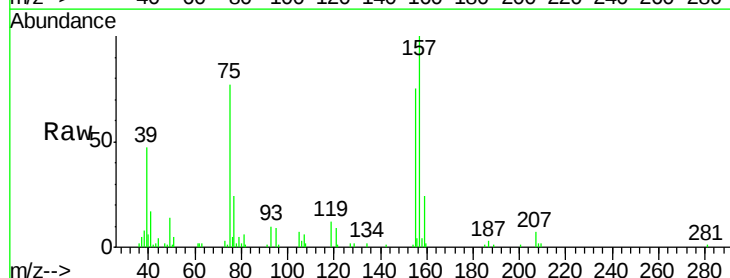
Manual Integrations
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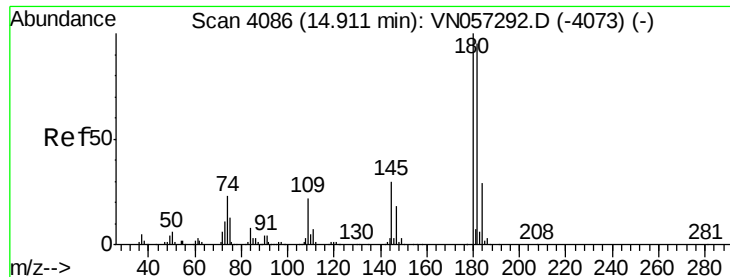
MMDadoda
 8/19/2019 1:54:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.122 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057325.D
 Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	49.6	148.8
157	131.9	63.7	191.1





#93

1,2,4-Trichlorobenzene

Concen: 15.595 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN057325.D

Acq: 15 Aug 2019 12:39

Instrument :

MSVOA_N

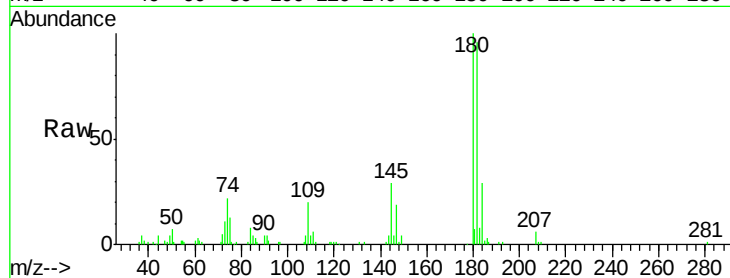
ClientSampleId :

VN0816WBSD01

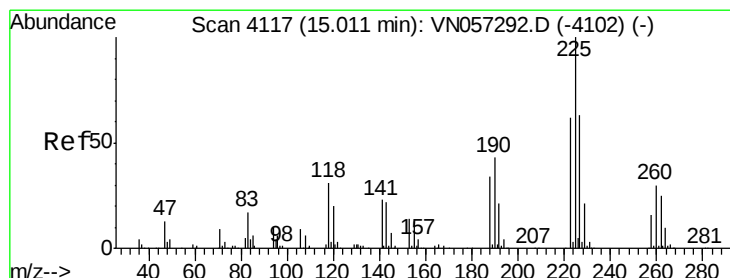
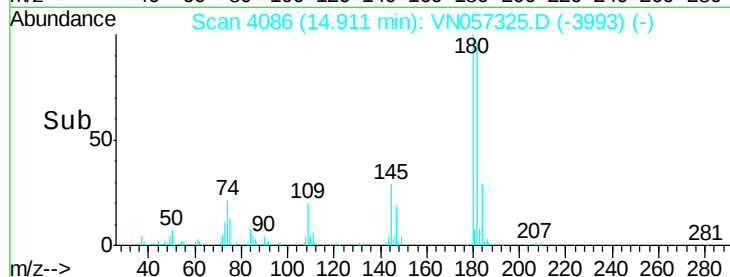
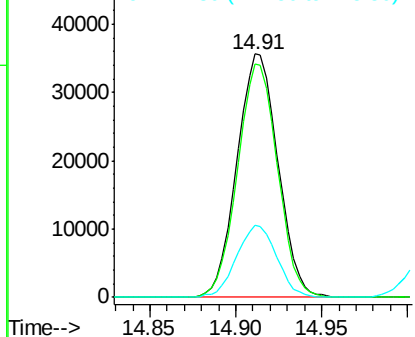
Tot Ion:	180	Resp:	59141
Ion Ratio	Lower	Upper	
180	100		
182	93.3	48.0	144.2
145	28.7	14.5	43.6

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



#94

Hexachlorobutadiene

Concen: 20.718 ug/l

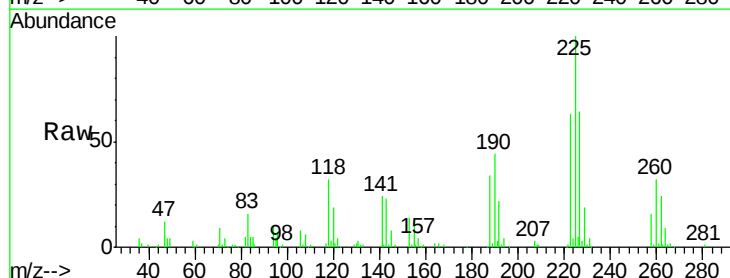
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

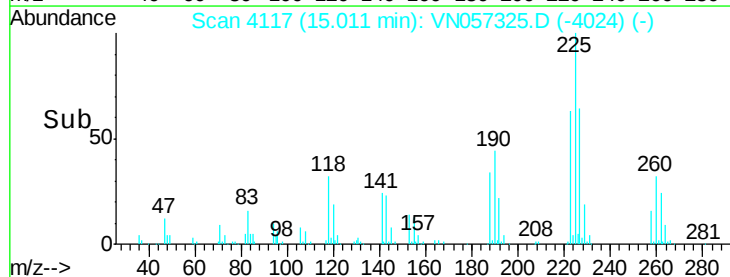
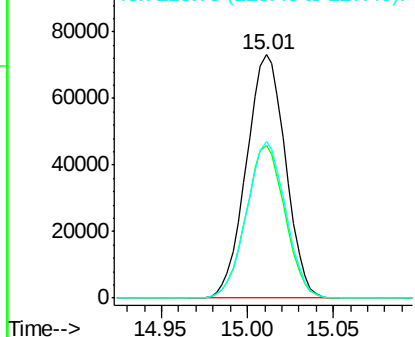
Lab File: VN057325.D

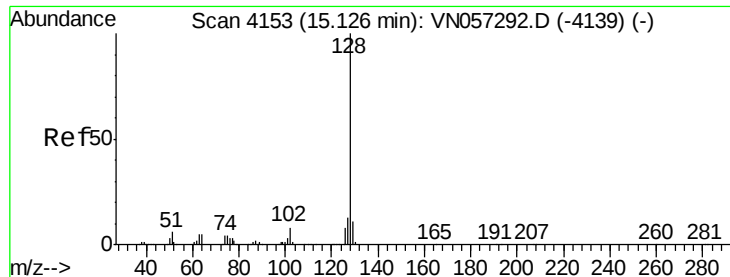
Acq: 15 Aug 2019 12:39

Tgt Ion:	225	Resp:	115534
Ion Ratio	Lower	Upper	
225	100		
223	62.4	30.7	92.1
227	63.9	30.9	92.7



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





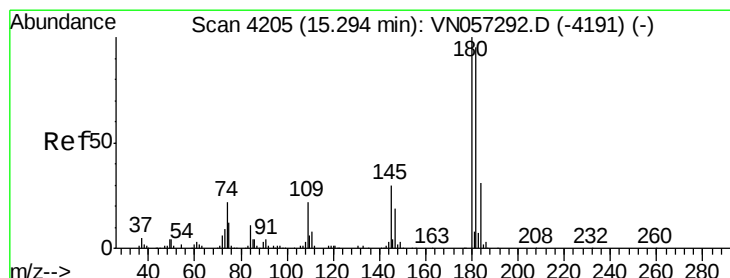
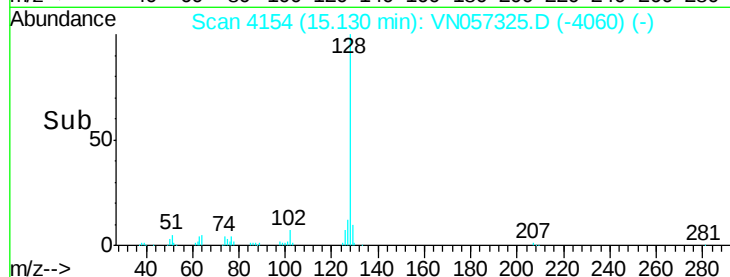
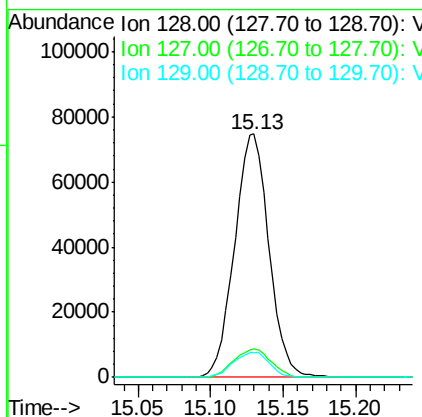
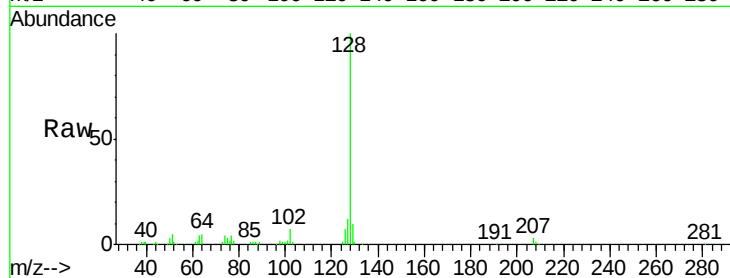
#95
Naphthalene
Concen: 19.274 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0816WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.8	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 18.229 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057325.D
Acq: 15 Aug 2019 12:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.8	47.9	143.6
145	30.6	15.1	45.3

