

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057385.D
 Acq On : 19 Aug 2019 8:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:00 AM

Quant Time: Aug 20 08:59:15 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	7.65	168	862232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1204463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1086438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	468413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	466066	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	7.58	113	436124	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
50) Toluene-d8	10.09	98	1644921	56.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.92%	
62) 4-Bromofluorobenzene	12.40	95	569507	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	328235	44.240	ug/l	99
3) Chloromethane	2.05	50	352635	40.267	ug/l	100
4) Vinyl Chloride	2.18	62	358851	43.555	ug/l	98
5) Bromomethane	2.54	94	275415m	46.895	ug/l	
6) Chloroethane	2.69	64	248636	43.872	ug/l	98
7) Trichlorofluoromethane	3.01	101	606631	46.940	ug/l	98
8) Diethyl Ether	3.40	74	219685	45.165	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	369182	48.623	ug/l	97
10) Methyl Iodide	3.95	142	604673	49.822	ug/l	99
11) Tert butyl alcohol	4.75	59	268299	201.340	ug/l	100
12) 1,1-Dichloroethene	3.73	96	356664	47.146	ug/l	98
13) Acrolein	3.60	56	122755	151.745	ug/l	98
14) Allyl chloride	4.31	41	541735	44.673	ug/l	98
15) Acrylonitrile	4.97	53	774777	214.158	ug/l	100
16) Acetone	3.80	43	951742	292.698	ug/l	99
17) Carbon Disulfide	4.05	76	931496	45.704	ug/l	100
18) Methyl Acetate	4.31	43	362767	41.334	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	1084483	45.686	ug/l	99
20) Methylene Chloride	4.54	84	413049	45.401	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	383657	47.159	ug/l	96
22) Diisopropyl ether	5.93	45	1077220	44.968	ug/l	98
23) Vinyl Acetate	5.88	43	4230497	219.430	ug/l	97
24) 1,1-Dichloroethane	5.83	63	677530	45.971	ug/l	99
25) 2-Butanone	6.82	43	1100556	233.729	ug/l	93
26) 2,2-Dichloropropane	6.81	77	593812	49.854	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	454641	47.204	ug/l	98
28) Bromochloromethane	7.18	49	306031	46.734	ug/l #	91
29) Tetrahydrofuran	7.19	42	596396	200.140	ug/l	97
30) Chloroform	7.36	83	711065	46.039	ug/l	98
31) Cyclohexane	7.64	56	547334	42.854	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	629853	48.485	ug/l	98
36) 1,1-Dichloropropene	7.78	75	523213	49.199	ug/l	100
37) Ethyl Acetate	6.91	43	385716	44.283	ug/l	98
38) Carbon Tetrachloride	7.76	117	563382	50.987	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	629196	50.669	ug/l	98
40) Benzene	8.03	78	1585920	48.756	ug/l	99
41) Methacrylonitrile	7.17	41	212169m	54.090	ug/l	
42) 1,2-Dichloroethane	8.11	62	514832	47.822	ug/l	98
43) Isopropyl Acetate	8.15	43	704654	44.104	ug/l	98
44) Trichloroethene	8.83	130	466765	51.041	ug/l	97
45) 1,2-Dichloropropane	9.11	63	405002	48.305	ug/l	98
46) Dibromomethane	9.20	93	271099	48.468	ug/l	96
47) Bromodichloromethane	9.40	83	563375	50.836	ug/l	99
48) Methyl methacrylate	9.19	41	314962	43.911	ug/l	97
49) 1,4-Dioxane	9.19	88	142449	944.384	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1966865	218.884	ug/l	99
52) Toluene	10.15	92	1041742	51.454	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	608549	50.766	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	669625	50.658	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	393927	49.481	ug/l	98
56) Ethyl methacrylate	10.42	69	560228	48.221	ug/l	98
57) 1,3-Dichloropropane	10.70	76	648970	48.797	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	694951	205.031	ug/l	98
59) 2-Hexanone	10.75	43	1522954	235.745	ug/l	98
60) Dibromochloromethane	10.90	129	469870	52.667	ug/l	100
61) 1,2-Dibromoethane	11.00	107	419517	49.468	ug/l	100
64) Tetrachloroethene	10.63	164	488627	52.026	ug/l	99
65) Chlorobenzene	11.43	112	1146130	51.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	444187	52.343	ug/l	100
67) Ethyl Benzene	11.51	91	1991502	51.371	ug/l	100
68) m/p-Xylenes	11.62	106	1540497	107.853	ug/l	97
69) o-Xylene	11.95	106	743468	53.013	ug/l	98
70) Styrene	11.96	104	1226031	54.843	ug/l	99
71) Bromoform	12.12	173	361908	54.058	ug/l	99
73) Isopropylbenzene	12.25	105	2002762	54.041	ug/l	99
74) N-amyl acetate	12.07	43	542319	39.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	519240	49.857	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	418807m	45.227	ug/l	
77) Bromobenzene	12.53	156	540678	54.025	ug/l	94
78) n-propylbenzene	12.59	91	2129578	47.212	ug/l	99
79) 2-Chlorotoluene	12.67	91	1304838	53.056	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1695396	53.895	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	172779	44.978	ug/l	98
82) 4-Chlorotoluene	12.77	91	1257699	47.053	ug/l	98
83) tert-Butylbenzene	12.99	119	1505861	54.628	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1622001	48.076	ug/l	98
85) sec-Butylbenzene	13.17	105	1883030	53.236	ug/l	100
86) p-Isopropyltoluene	13.29	119	1688576	48.885	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	846548	51.582	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	796190	51.106	ug/l	99
89) n-Butylbenzene	13.62	91	1253705	50.912	ug/l	99
90) Hexachloroethane	13.88	117	319063	54.521	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	799479	52.257	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72111	43.171	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	298793	48.962	ug/l	99
94) Hexachlorobutadiene	15.01	225	362480	62.970	ug/l	98
95) Naphthalene	15.13	128	492140	51.877	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	254110	57.559	ug/l	99

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

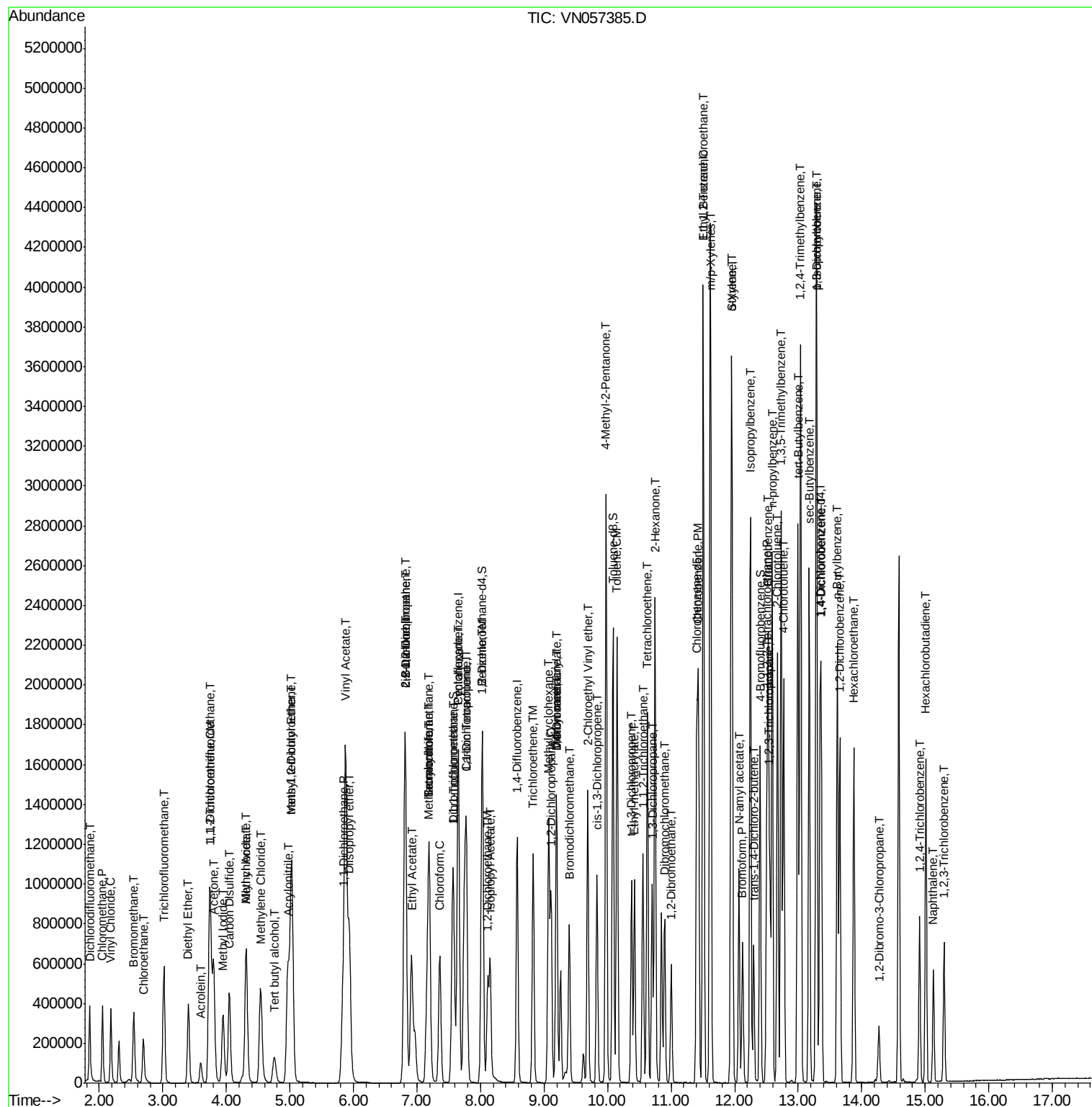
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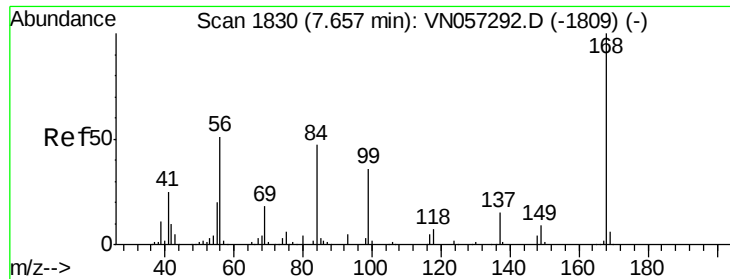
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 862232

Ion Ratio Lower Upper

168 100

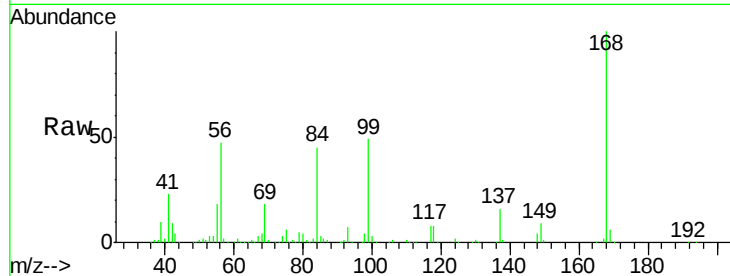
99 48.6 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

400000

300000

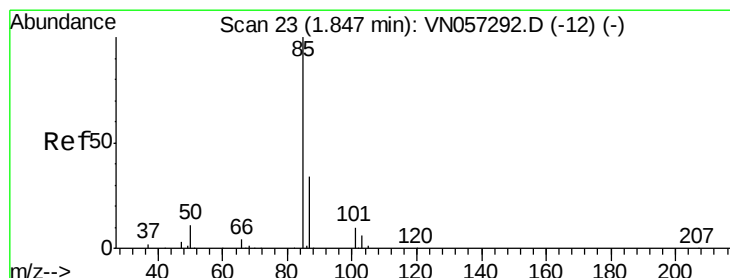
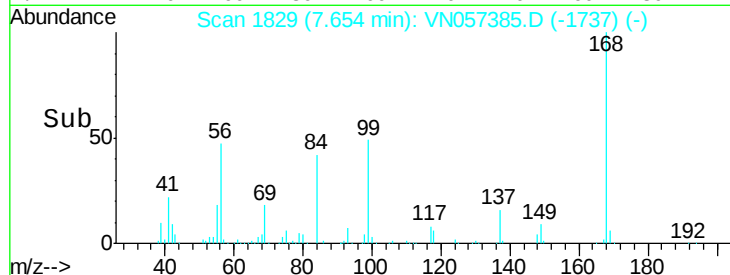
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.240 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057385.D

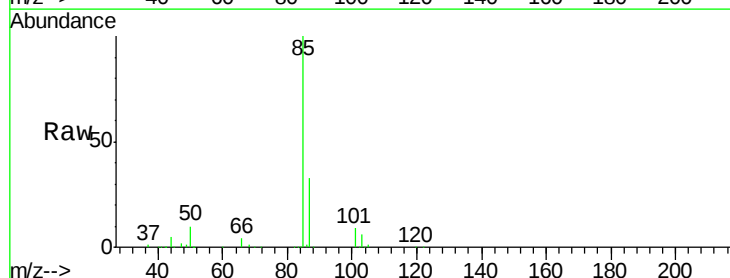
Acq: 19 Aug 2019 8:50

Tgt Ion: 85 Resp: 328235

Ion Ratio Lower Upper

85 100

87 33.4 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

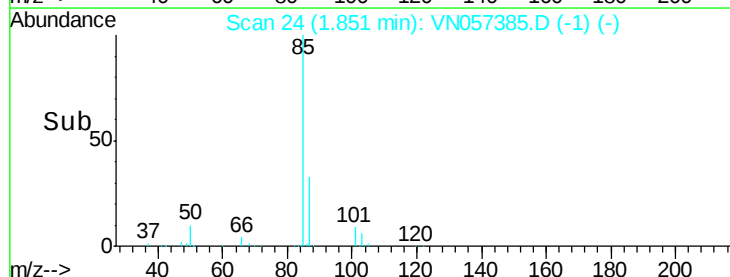
100000

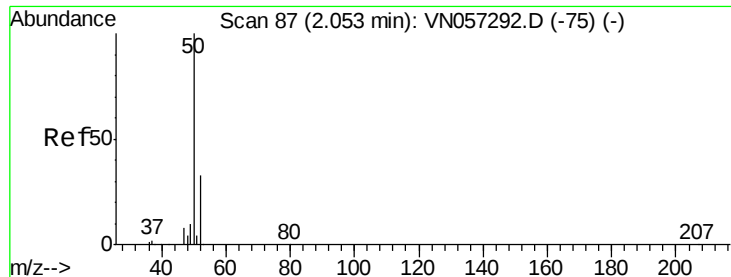
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 40.267 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 352635

Ion Ratio Lower Upper

50 100

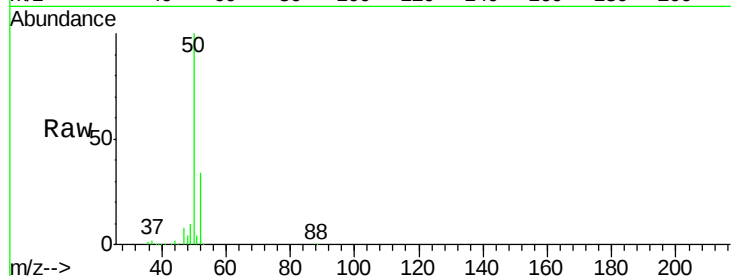
52 33.6 26.8 40.2

Manual Integrations

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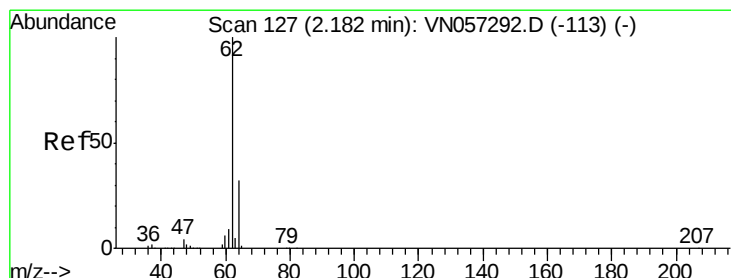
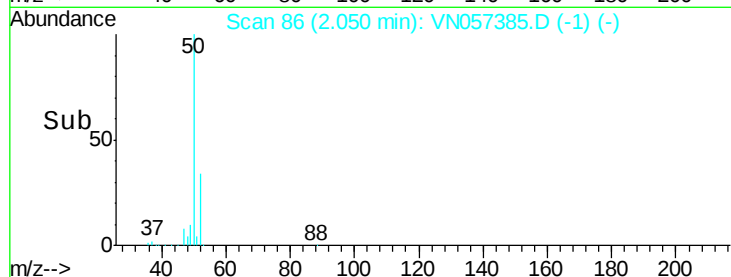
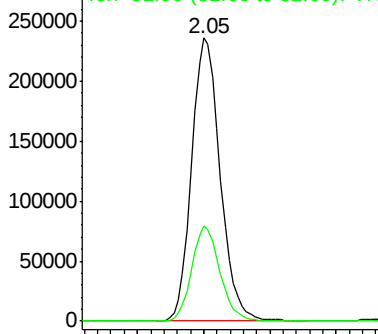
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 43.555 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057385.D

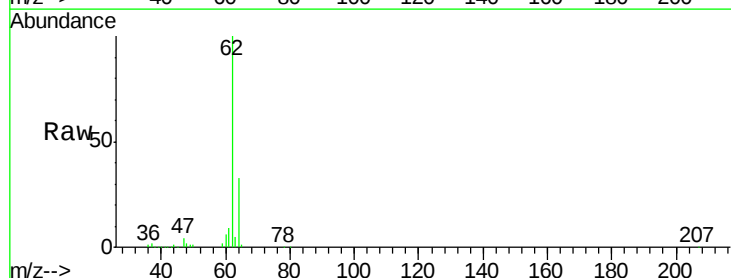
Acq: 19 Aug 2019 8:50

Tgt Ion: 62 Resp: 358851

Ion Ratio Lower Upper

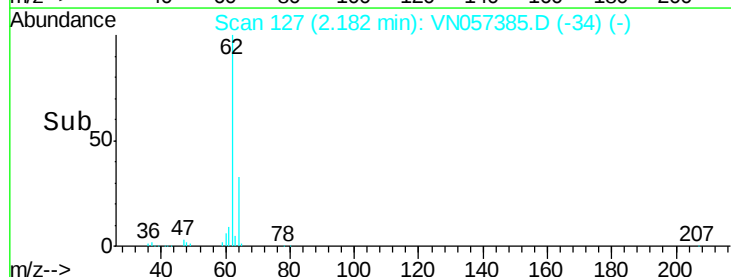
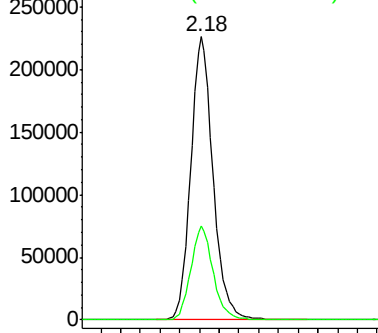
62 100

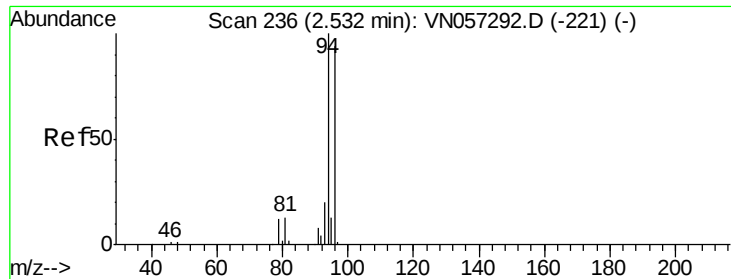
64 33.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 46.895 ug/l m

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 275415

Ion Ratio Lower Upper

94 100

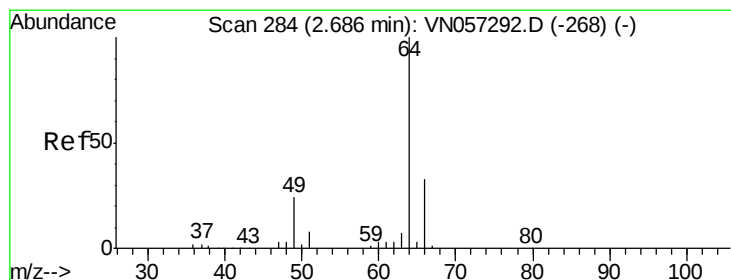
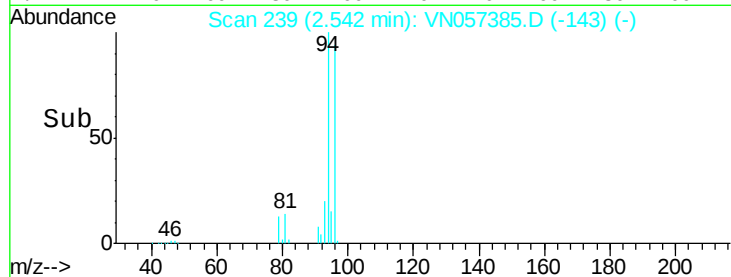
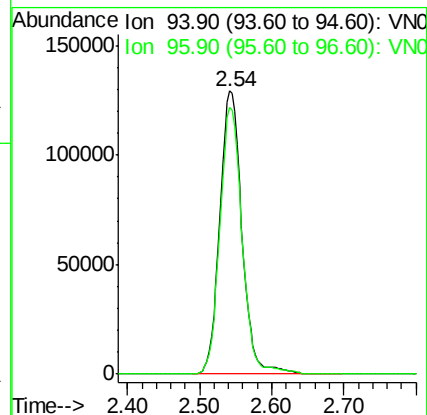
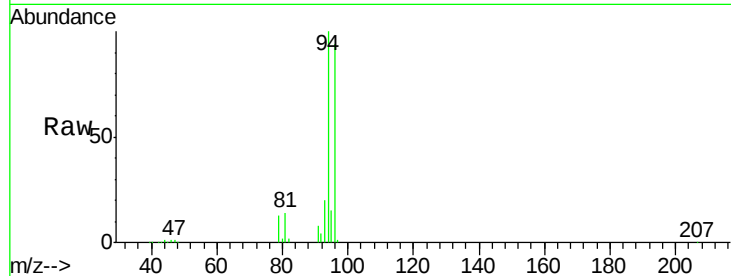
96 94.3 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 43.872 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057385.D

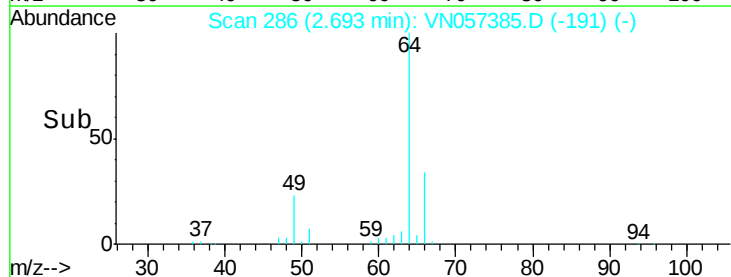
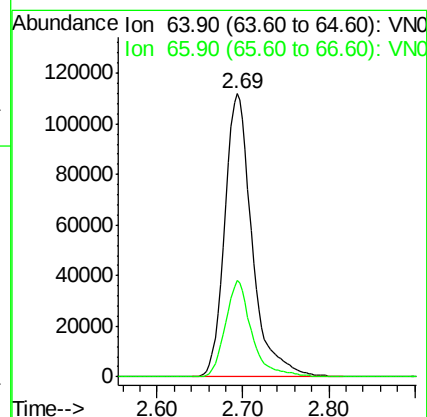
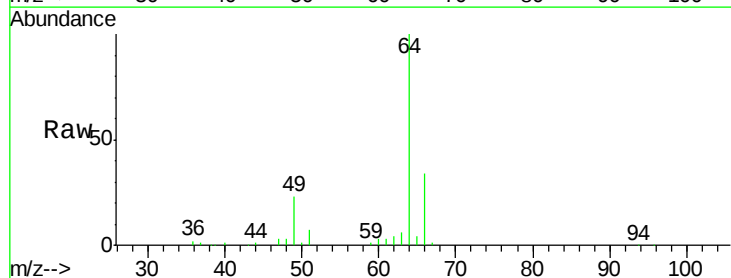
Acq: 19 Aug 2019 8:50

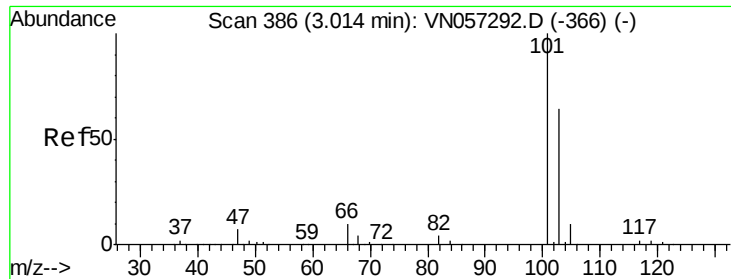
Tgt Ion: 64 Resp: 248636

Ion Ratio Lower Upper

64 100

66 34.0 26.4 39.6





#7

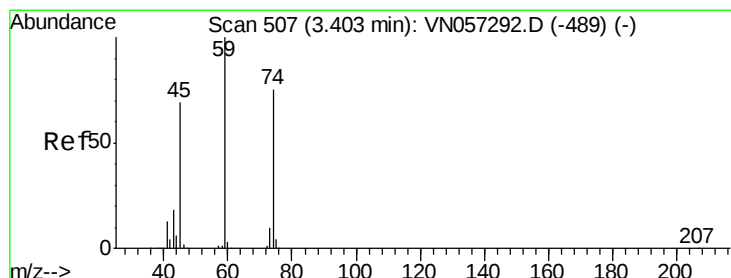
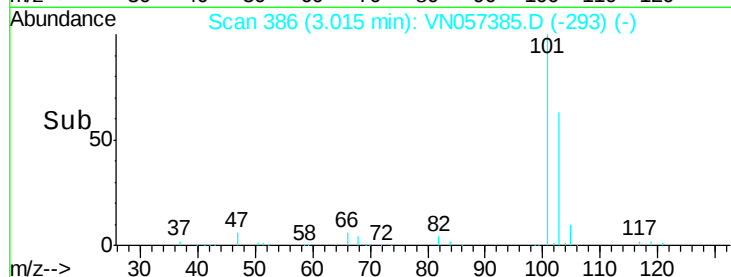
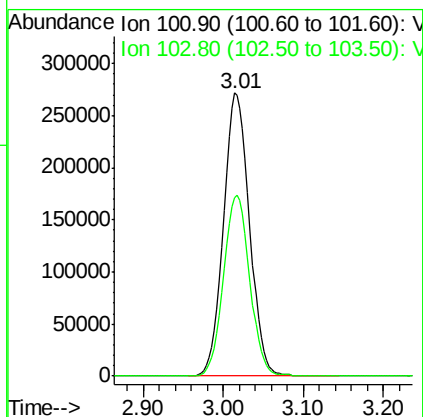
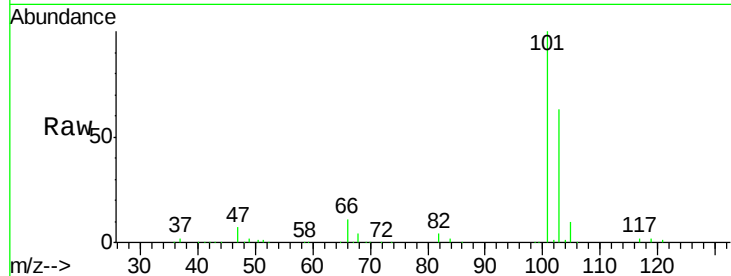
Trichlorofluoromethane
 Concen: 46.940 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	606631		
103	63.1	51.5	77.3	

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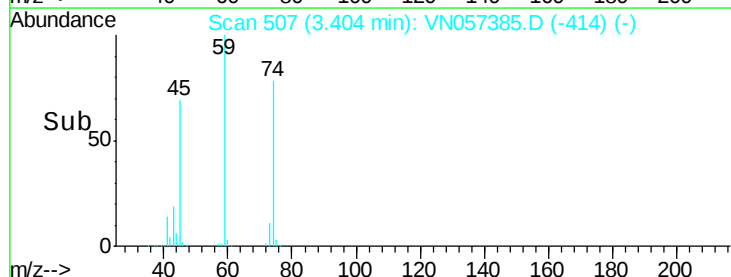
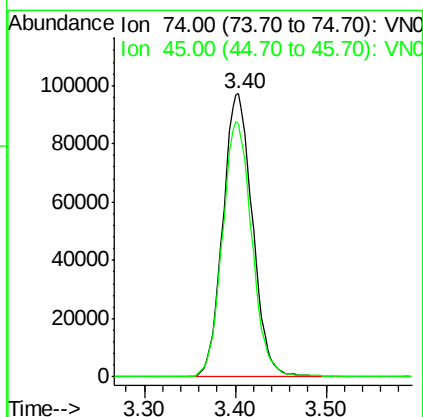
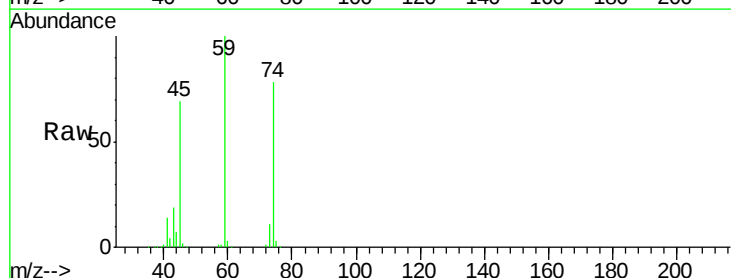
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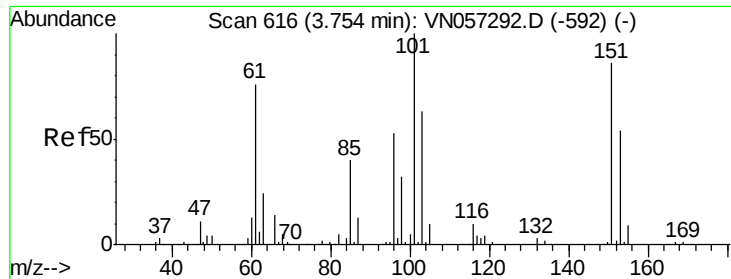


#8

Diethyl Ether
 Concen: 45.165 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	219685		
45	89.8	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.623 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

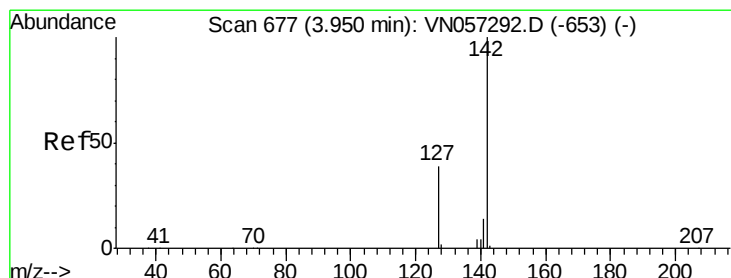
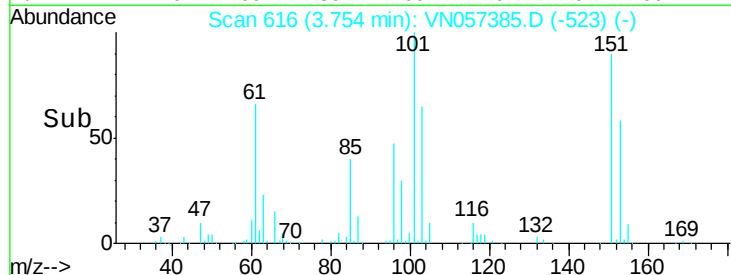
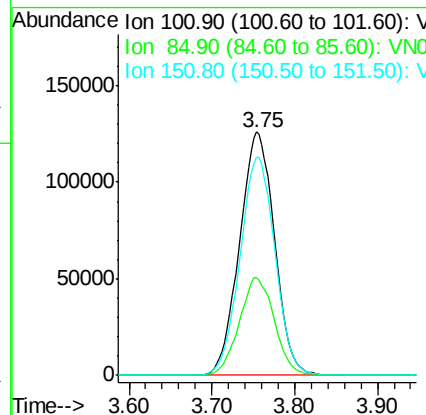
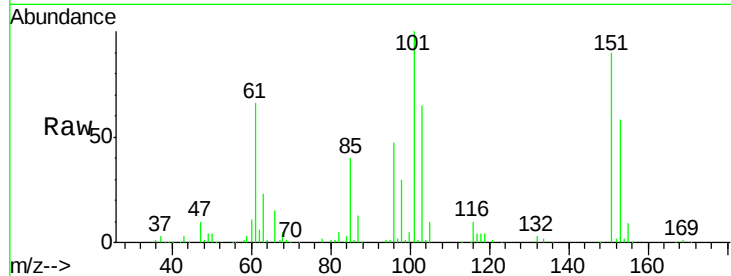
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	369182
Ion Ratio	Lower	Upper	
101	100		
85	40.4	32.7	49.1
151	90.1	69.1	103.7

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#10

Methyl Iodide

Concen: 49.822 ug/l

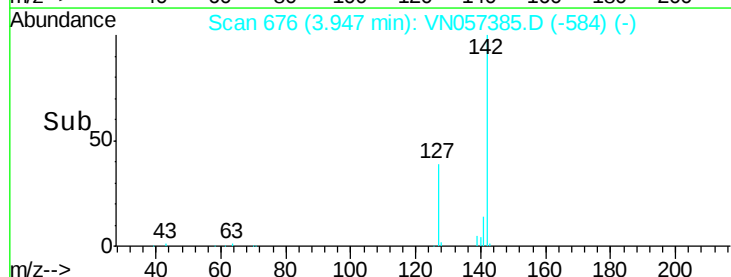
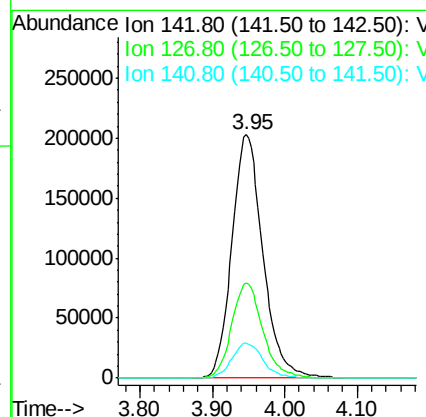
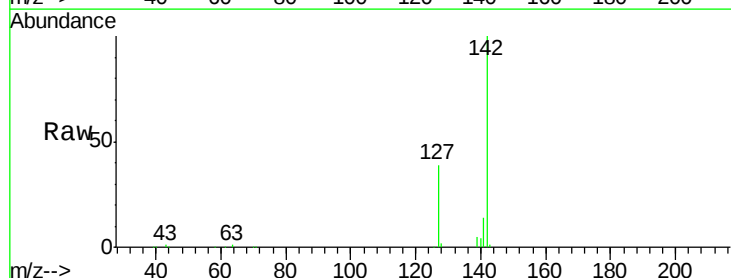
RT: 3.95 min Scan# 676

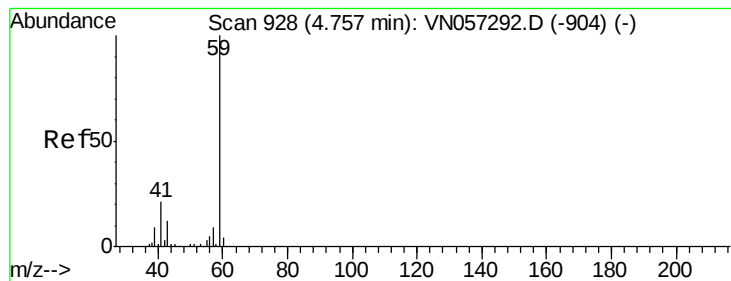
Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion:	142	Resp:	604673
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.6	47.4
141	14.4	11.2	16.8





#11

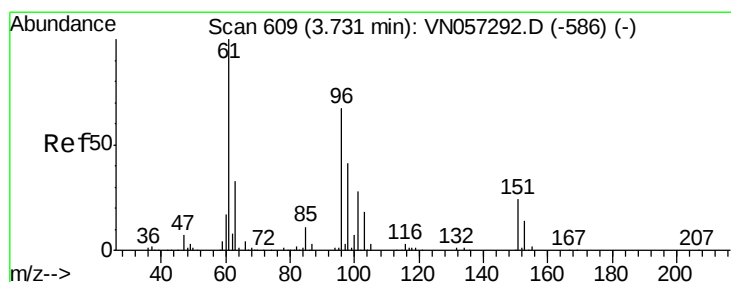
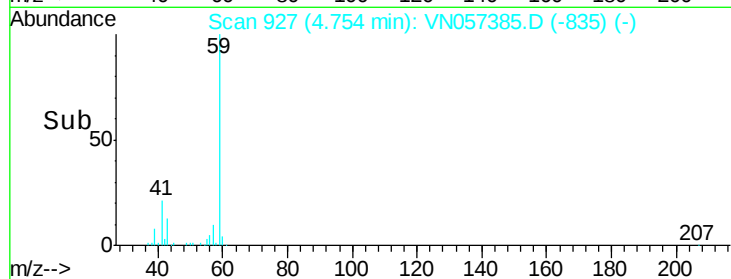
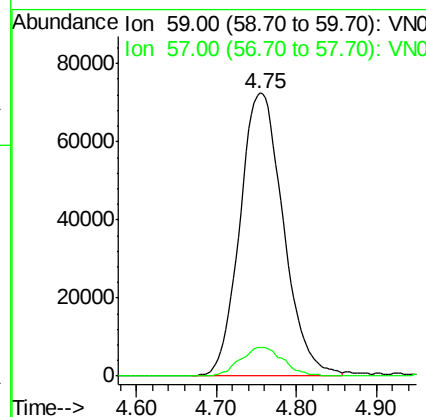
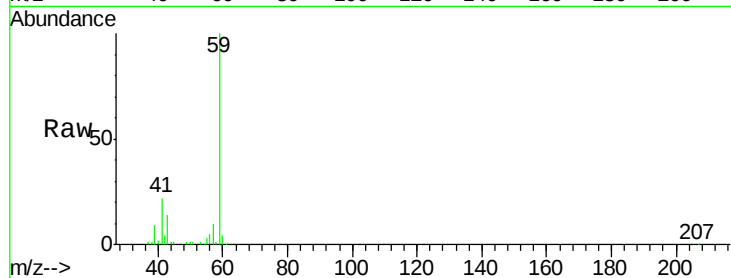
Tert butyl alcohol
Concen: 201.340 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	268299		
57	10.1		8.2	12.2

Manual Integrations
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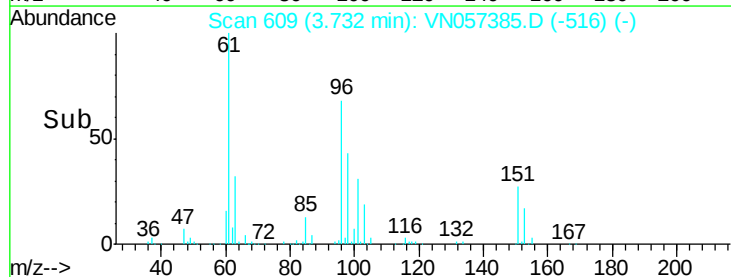
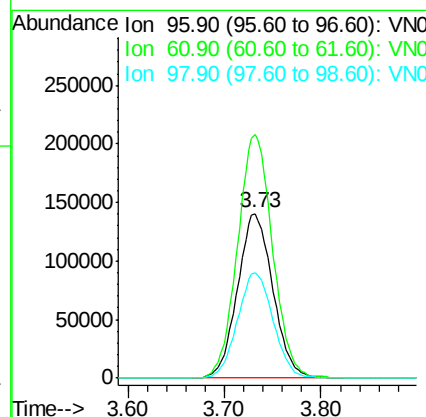
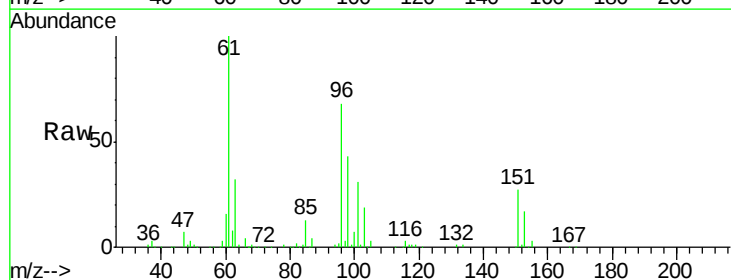
MMDadoda
8/21/2019 9:45:00 AM

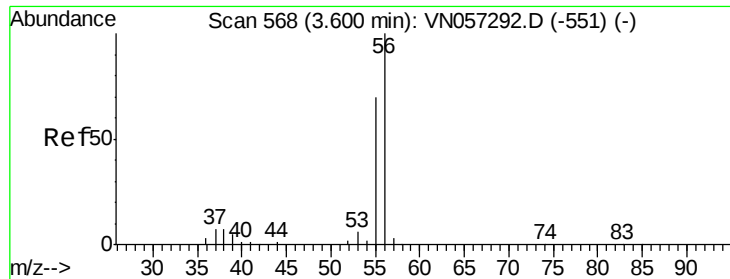


#12

1,1-Dichloroethene
Concen: 47.146 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	356664		
61	148.1		119.7	179.5
98	64.0		49.0	73.4





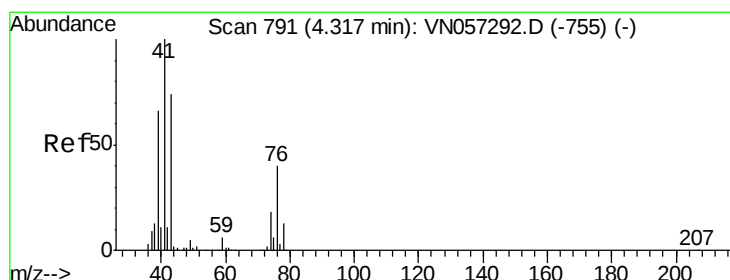
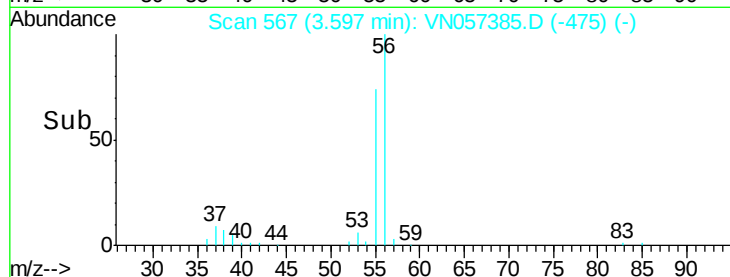
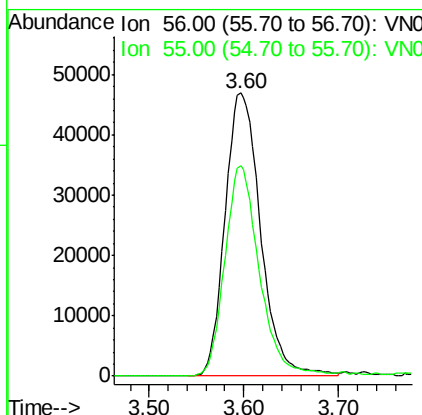
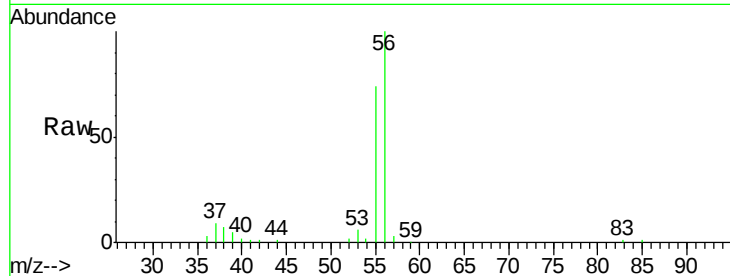
#13
Acrolein
Concen: 151.745 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100				
55	72.1	56.6	84.8		

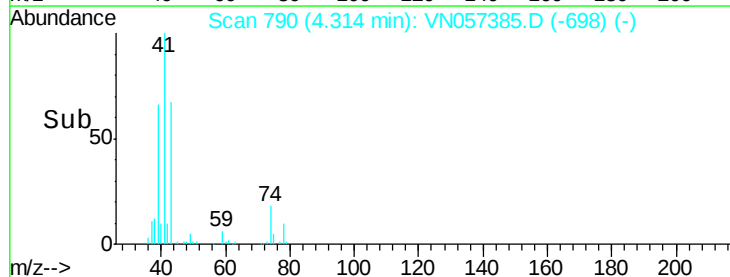
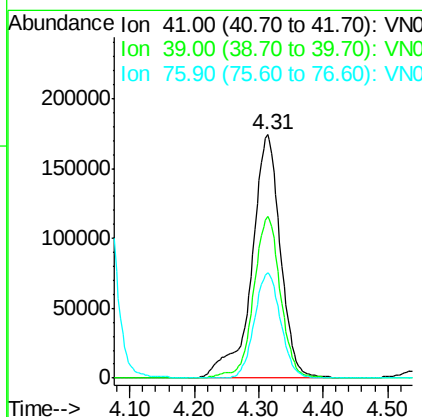
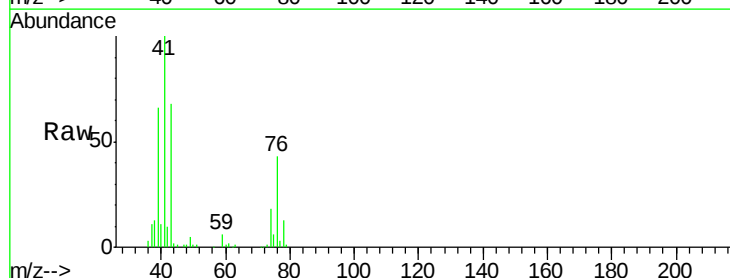
Manual Integrations
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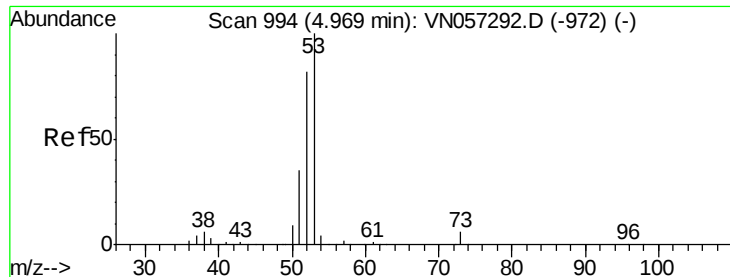
MMDadoda
8/21/2019 9:45:00 AM



#14
Allyl chloride
Concen: 44.673 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	62.1	49.0	73.6		
76	38.8	29.0	43.4		





#15

Acrylonitrile

Concen: 214.158 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

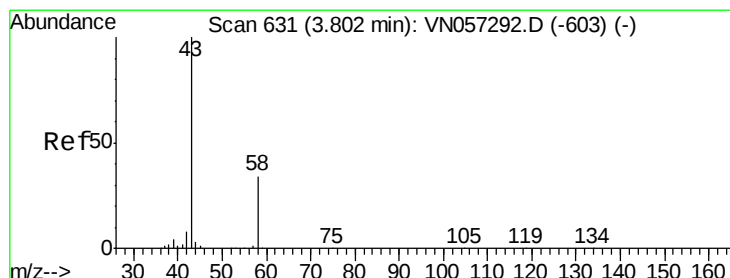
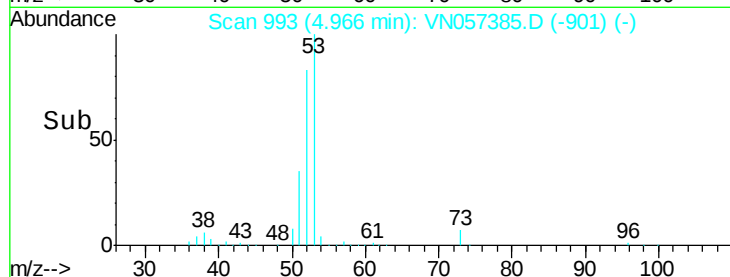
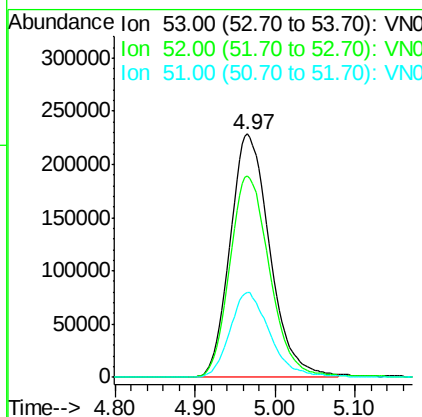
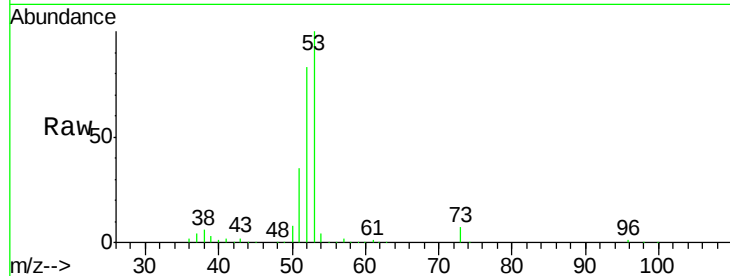
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	774777
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.2	99.2
51	35.2	28.5	42.7

Manual Integrations
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8/21/2019 9:45:00 AM



#16

Acetone

Concen: 292.698 ug/l

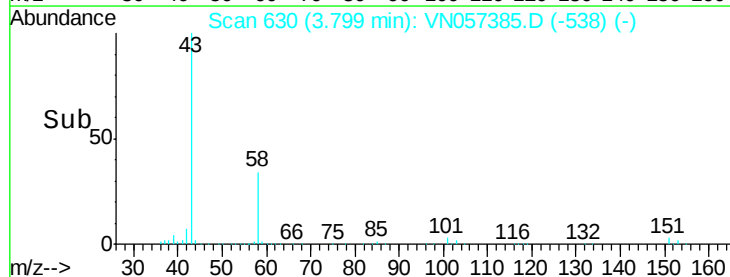
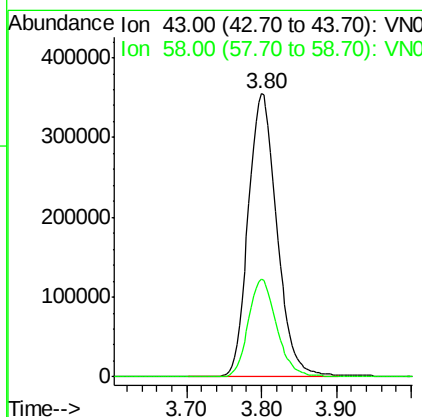
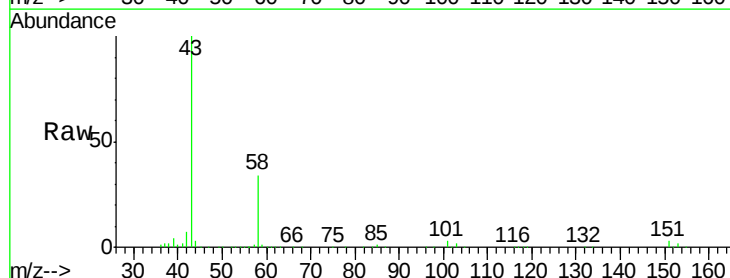
RT: 3.80 min Scan# 630

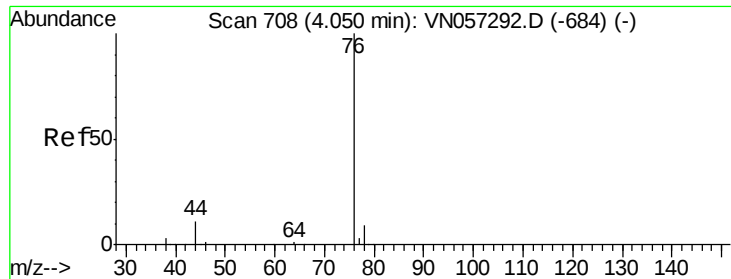
Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion:	43	Resp:	951742
Ion Ratio	Lower	Upper	
43	100		
58	34.4	27.0	40.6





#17

Carbon Disulfide

Concen: 45.704 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 931496

Ion Ratio Lower Upper

76 100

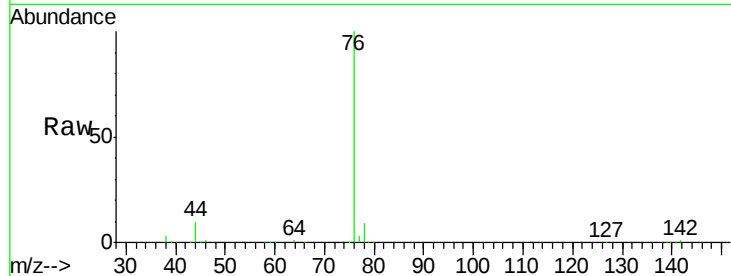
78 9.0 7.0 10.6

Manual Integrations

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8/21/2019 9:45:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

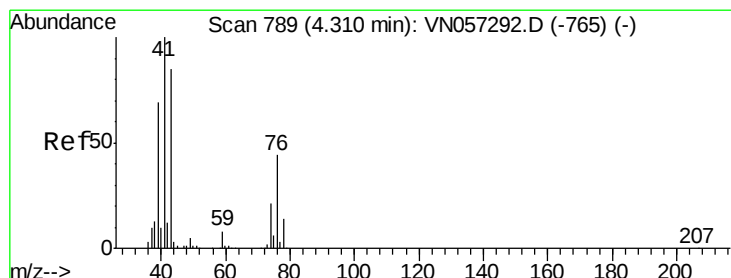
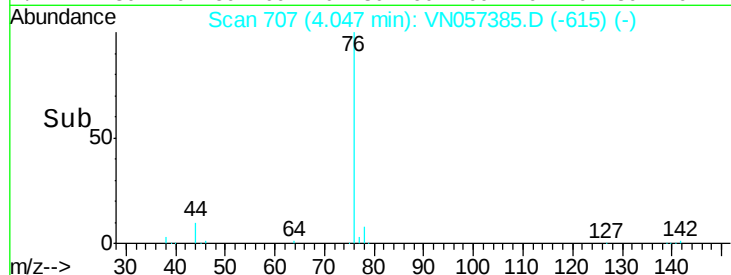
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 41.334 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057385.D

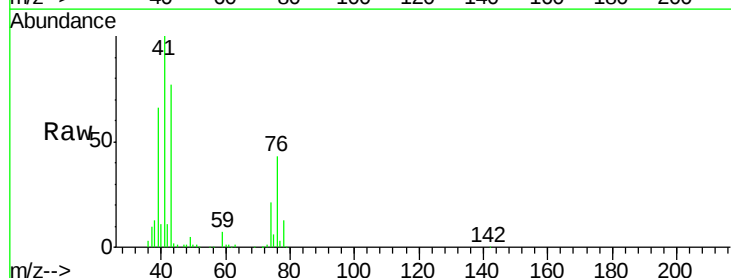
Acq: 19 Aug 2019 8:50

Tgt Ion: 43 Resp: 362767

Ion Ratio Lower Upper

43 100

74 26.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

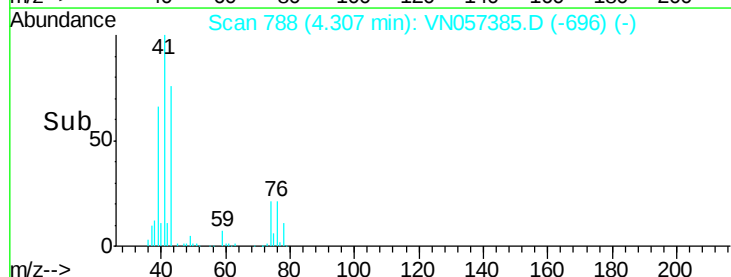
150000

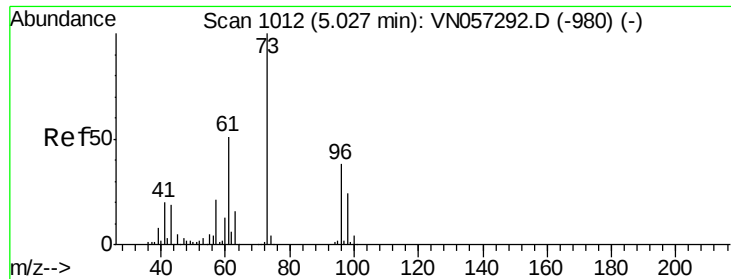
100000

50000

0

Time-->





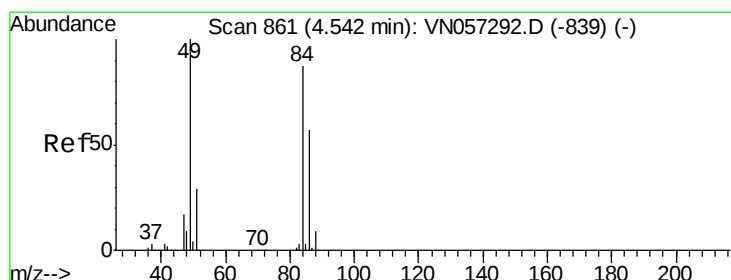
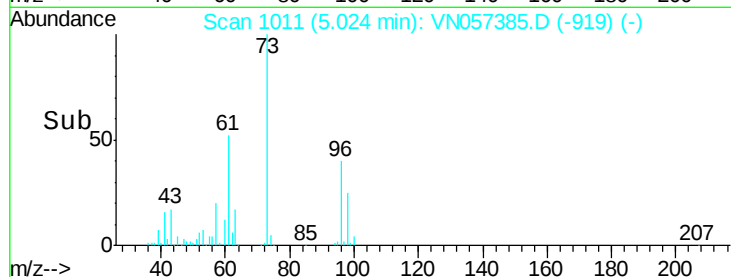
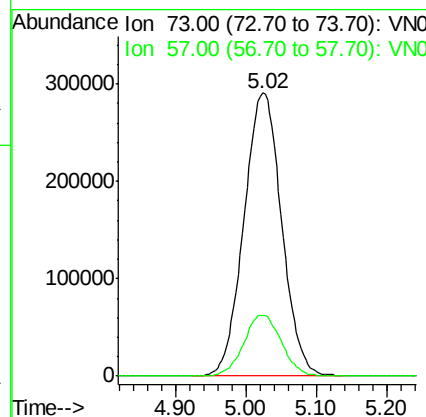
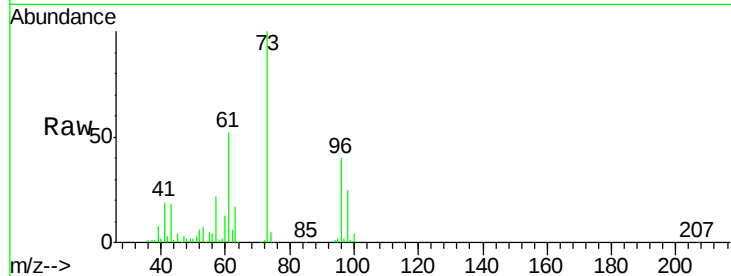
#19
Methvl tert-butvl Ether
Concen: 45.686 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1084483
Ion Ratio Lower Upper
73 100
57 21.6 16.9 25.3

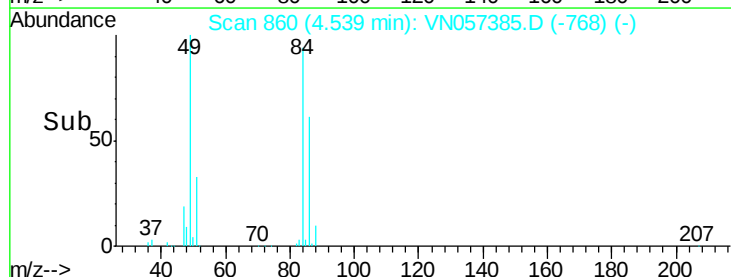
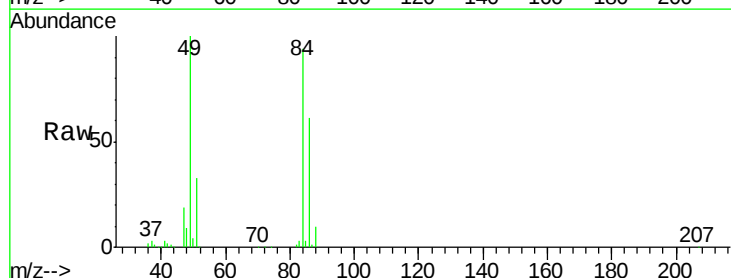
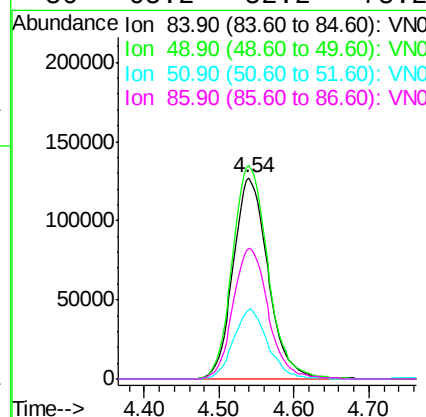
Manual Integrations
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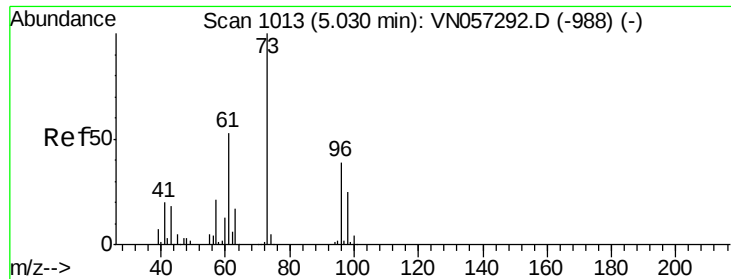
MMDadoda
8/21/2019 9:45:00 AM



#20
Methylene Chloride
Concen: 45.401 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 84 Resp: 413049
Ion Ratio Lower Upper
84 100
49 106.2 92.0 138.0
51 34.6 27.1 40.7
86 65.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 47.159 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

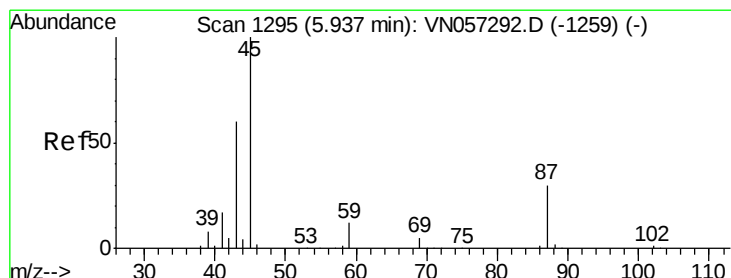
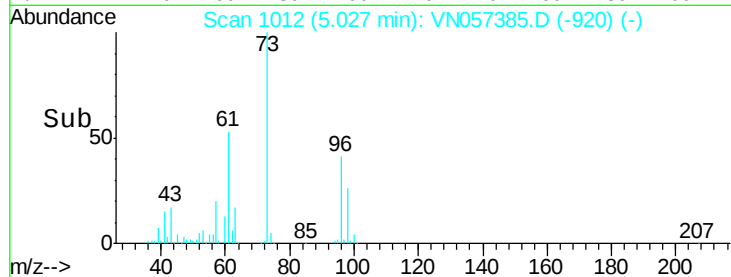
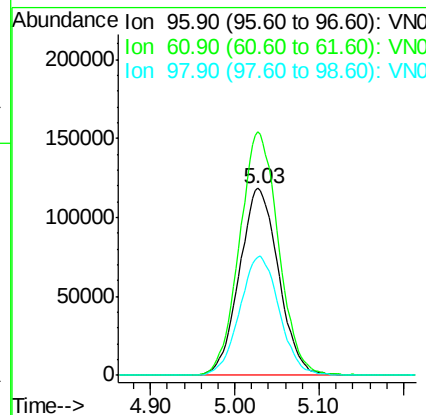
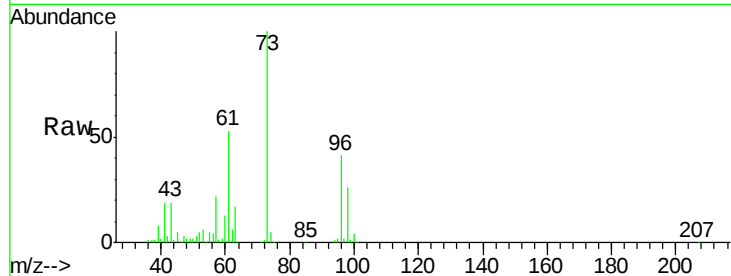
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	383657
Ion	Ratio	Lower	Upper
96	100		
61	130.2	109.5	164.3
98	63.5	51.0	76.6

Manual Integrations
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8/21/2019 9:45:00 AM



#22

Diisopropyl ether

Concen: 44.968 ug/l

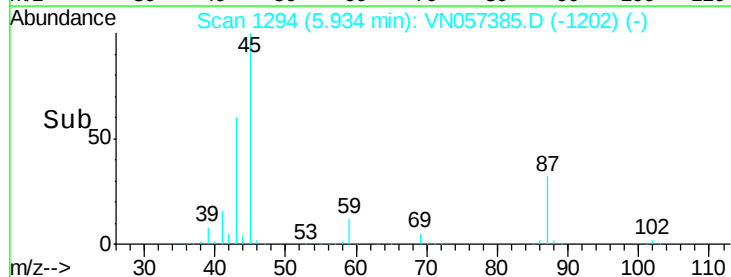
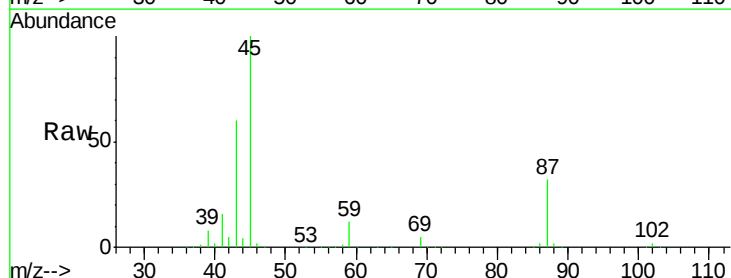
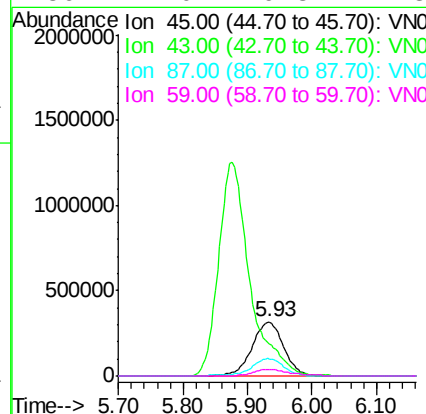
RT: 5.93 min Scan# 1294

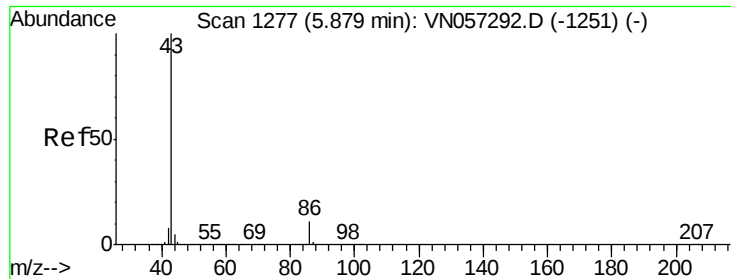
Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion:	45	Resp:	1077220
Ion	Ratio	Lower	Upper
45	100		
43	59.0	48.3	72.5
87	31.8	24.6	36.8
59	12.0	9.8	14.8





#23

Vinyl Acetate

Concen: 219.430 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4230497

Ion Ratio Lower Upper

43 100

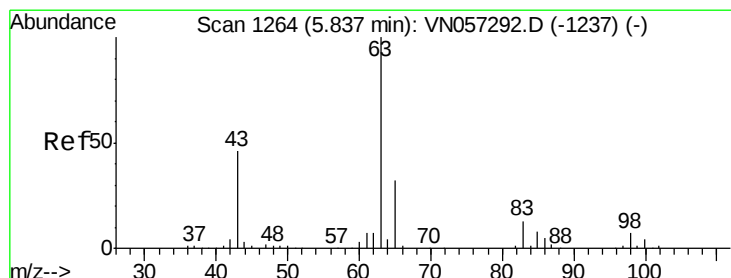
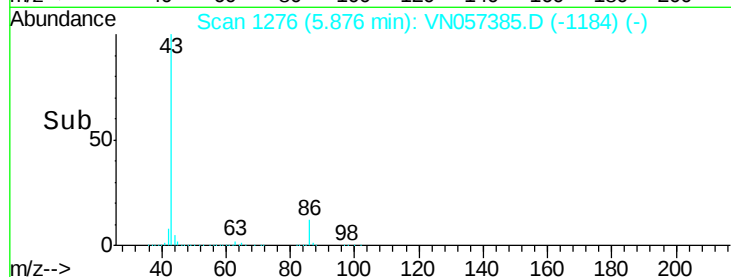
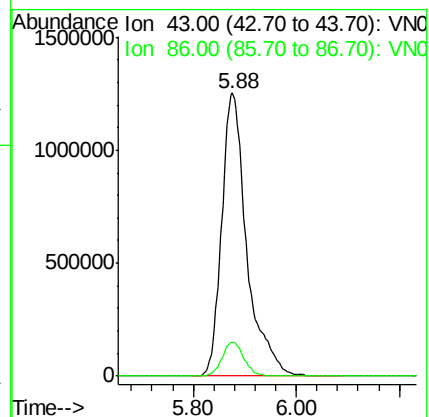
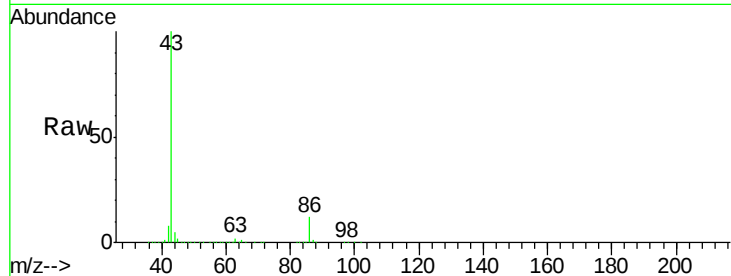
86 12.0 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

8/21/2019 9:45:00 AM



#24

1,1-Dichloroethane

Concen: 45.971 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

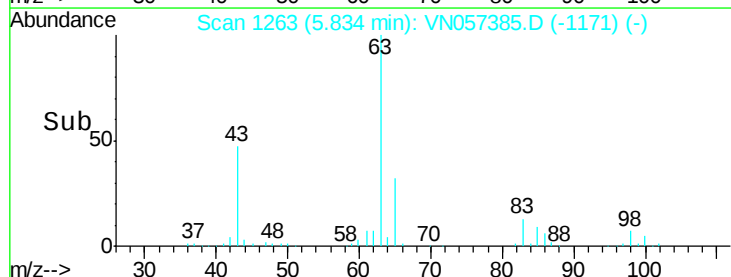
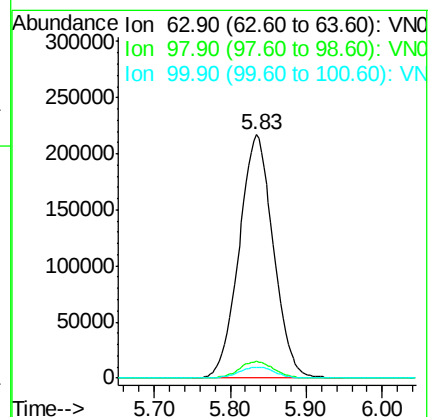
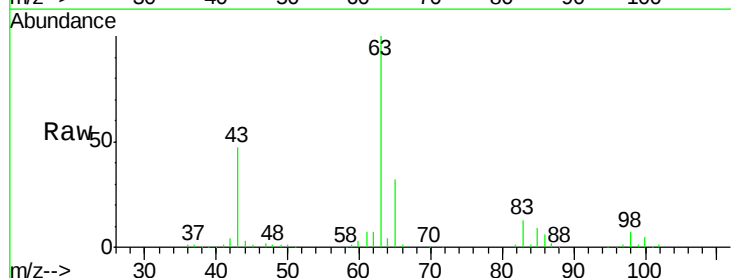
Tgt Ion: 63 Resp: 677530

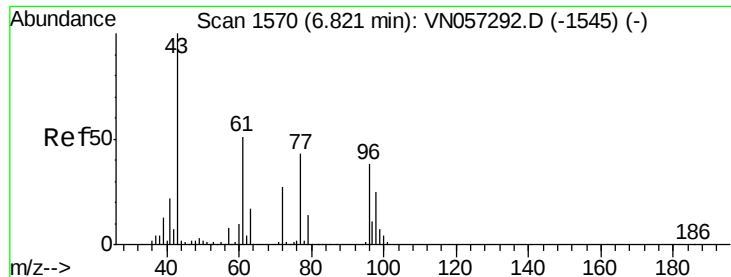
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 233.729 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1100556

Ion Ratio Lower Upper

43 100

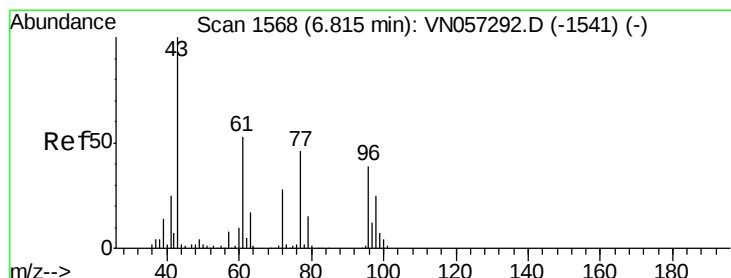
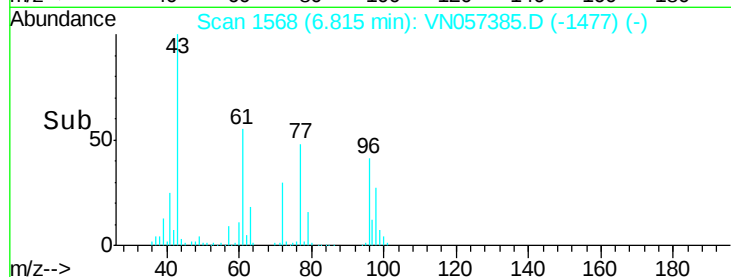
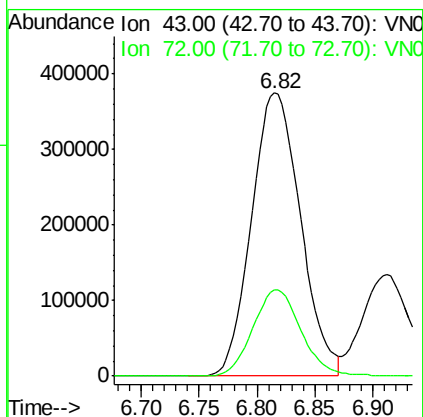
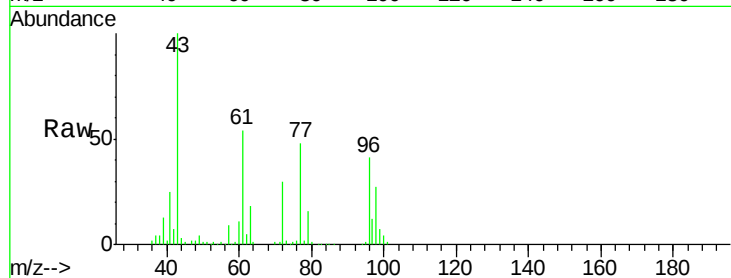
72 30.4 21.5 32.3

Manual Integrations

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8/21/2019 9:45:00 AM



#26

2,2-Dichloropropane

Concen: 49.854 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN057385.D

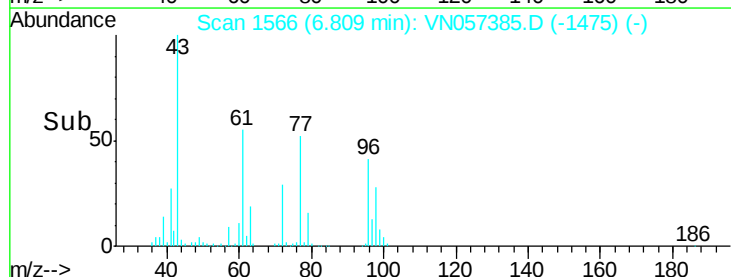
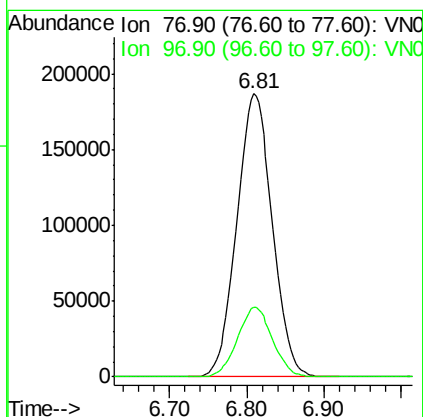
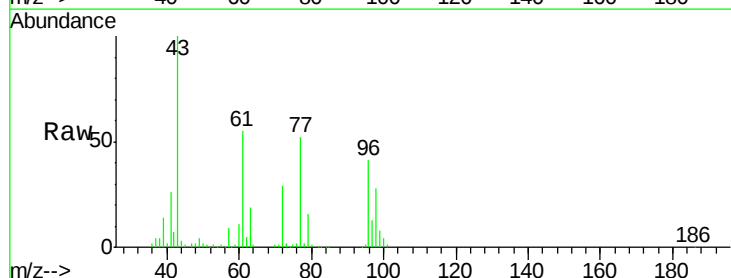
Acq: 19 Aug 2019 8:50

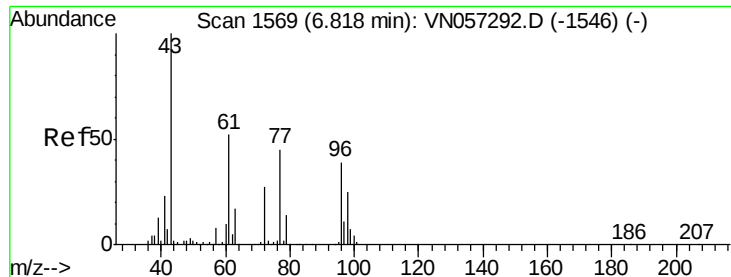
Tgt Ion: 77 Resp: 593812

Ion Ratio Lower Upper

77 100

97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 47.204 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

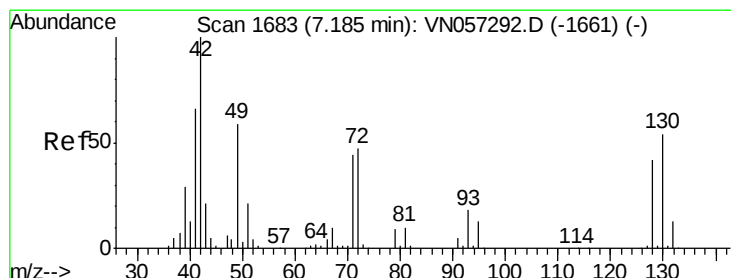
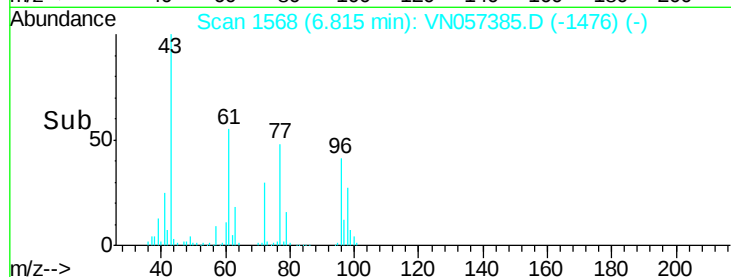
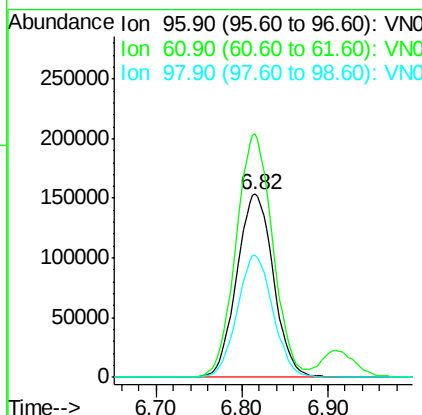
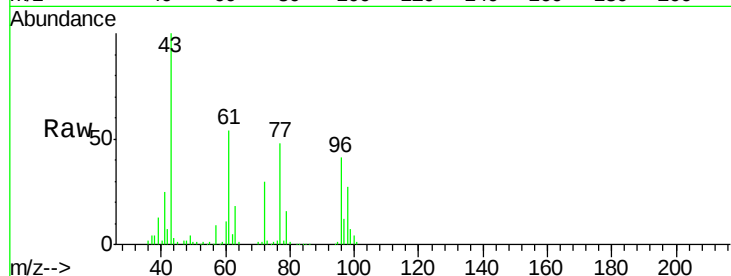
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	454641
Ion Ratio	Lower	Upper	
96	100		
61	133.2	0.0	272.0
98	64.9	0.0	130.4

Manual Integrations
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#28

Bromochloromethane

Concen: 46.734 ug/l

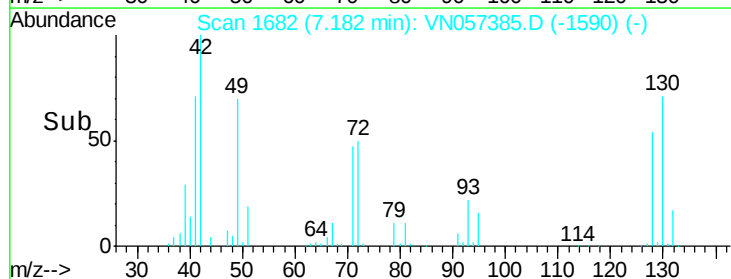
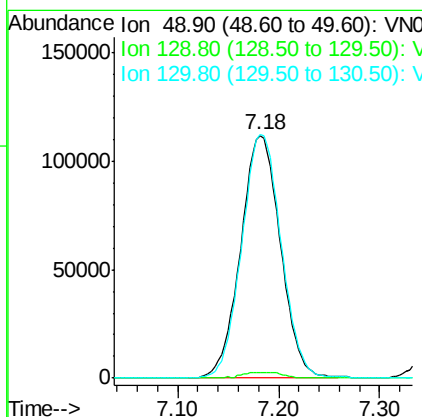
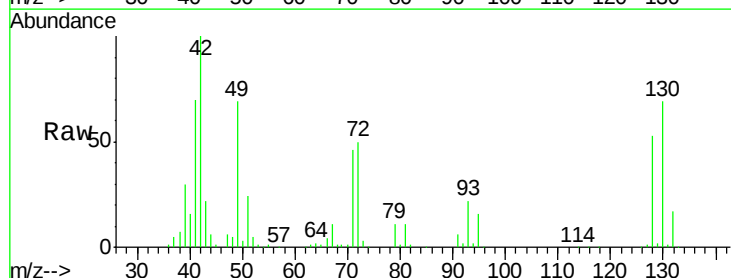
RT: 7.18 min Scan# 1682

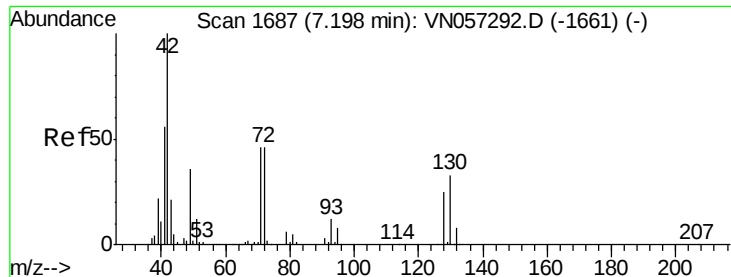
Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion:	49	Resp:	306031
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	2.0#
130	99.9	73.2	109.8





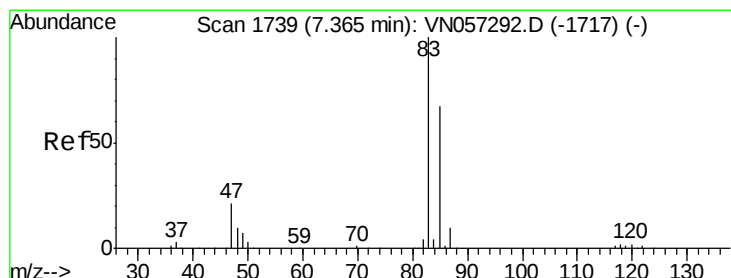
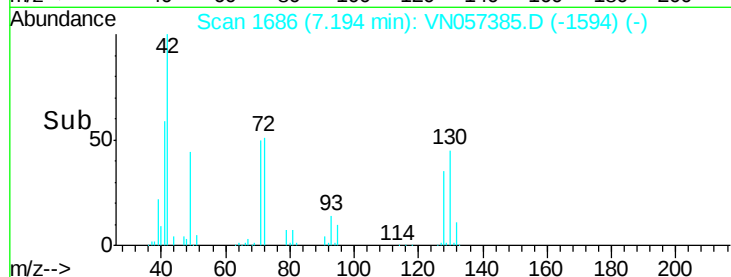
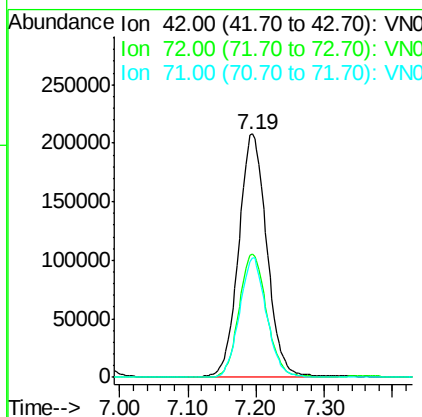
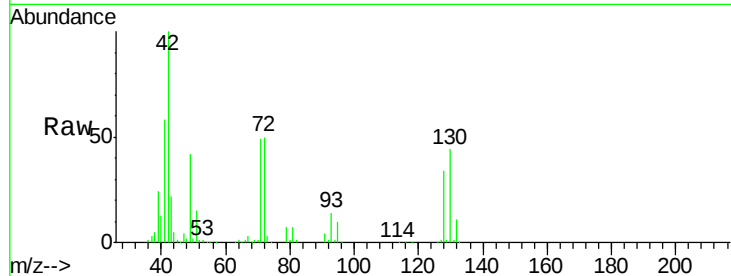
#29
Tetrahydrofuran
Concen: 200.140 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	37.8	56.6
71	46.7	35.7	53.5

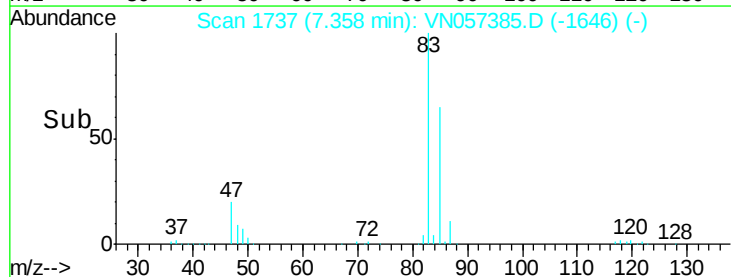
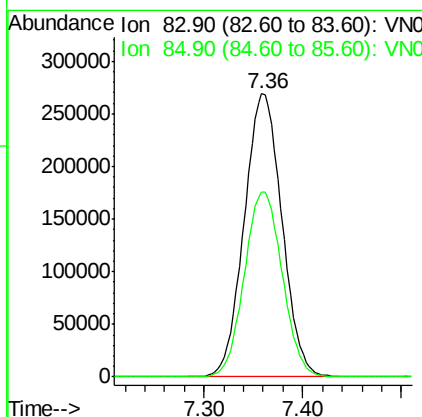
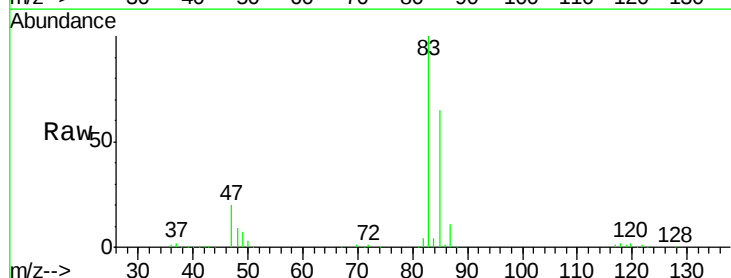
Manual Integrations
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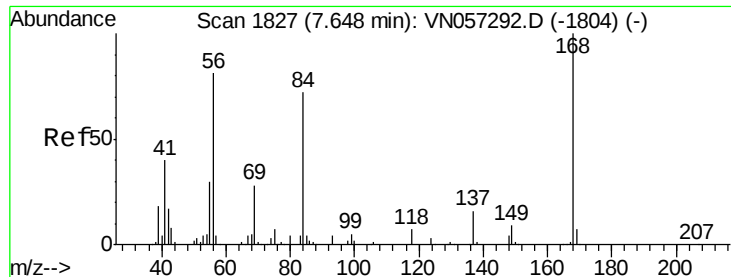
MMDadoda
8/21/2019 9:45:00 AM



#30
Chloroform
Concen: 46.039 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.3	79.9





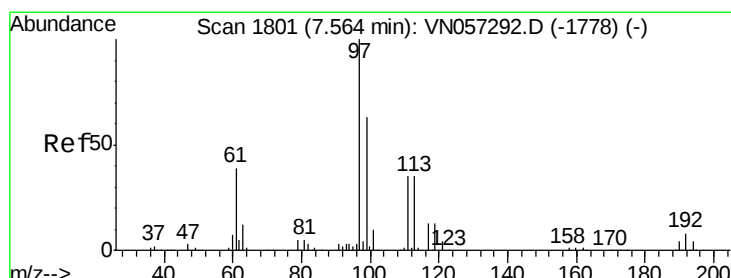
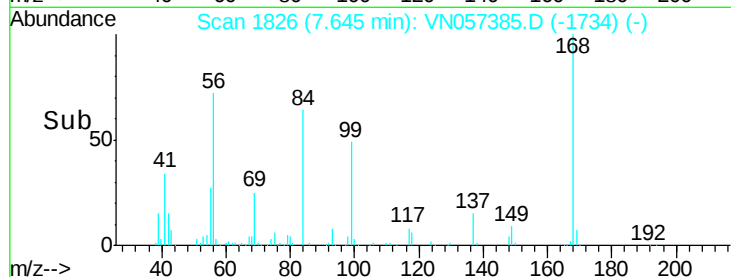
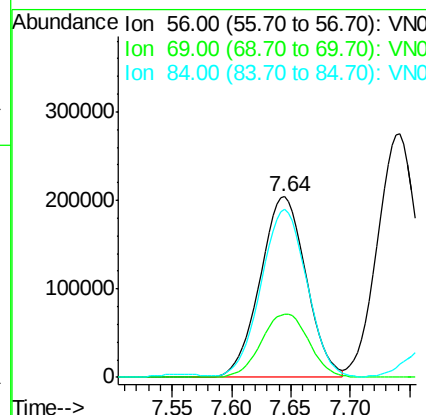
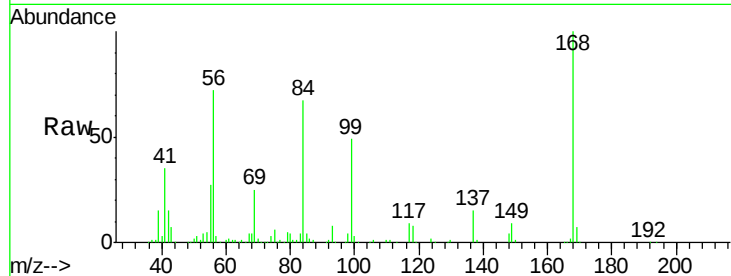
#31
Cyclohexane
Concen: 42.854 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.3	40.9
84	91.2	71.0	106.6

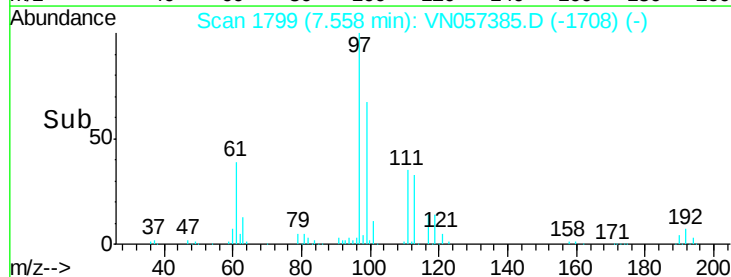
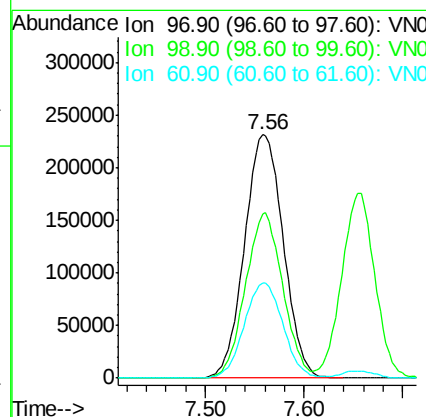
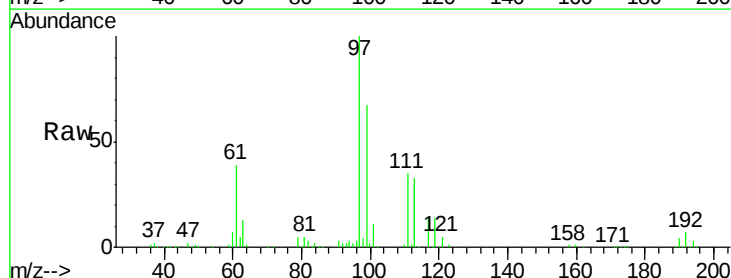
Manual Integrations
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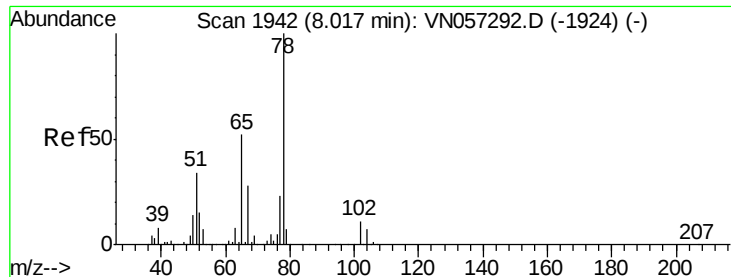
MMDadoda
8/21/2019 9:45:00 AM



#32
1,1,1-Trichloroethane
Concen: 48.485 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. -0.01 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.3	75.5
61	39.1	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 49.722 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 466066

Ion Ratio Lower Upper

65 100

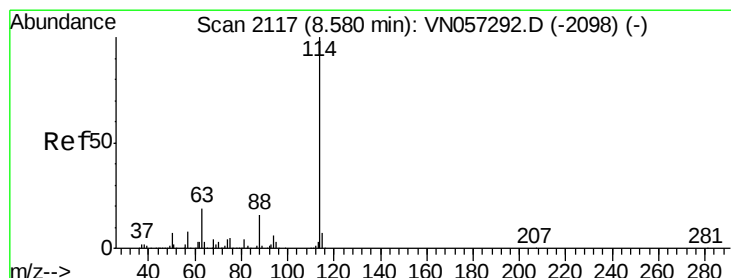
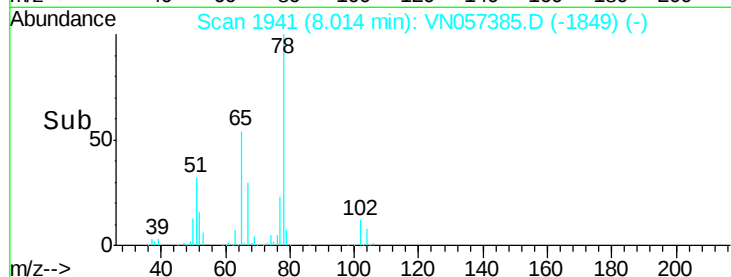
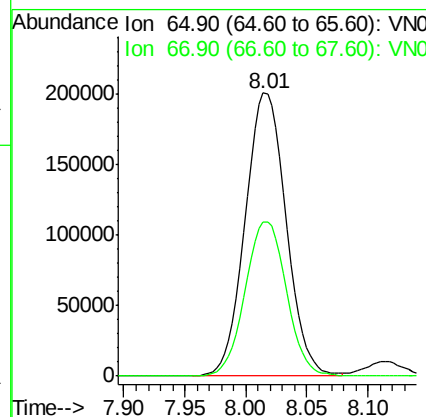
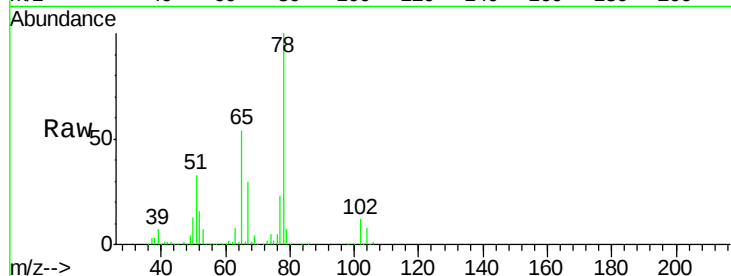
67 55.0 0.0 107.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

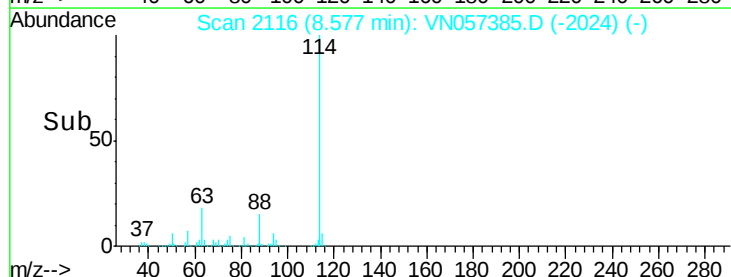
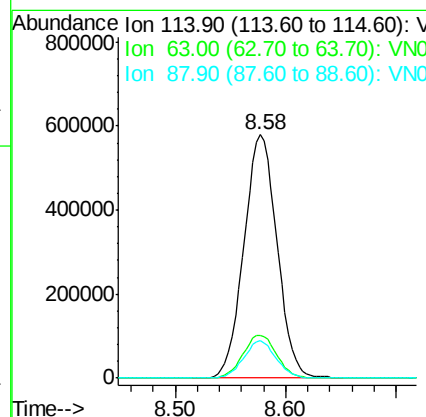
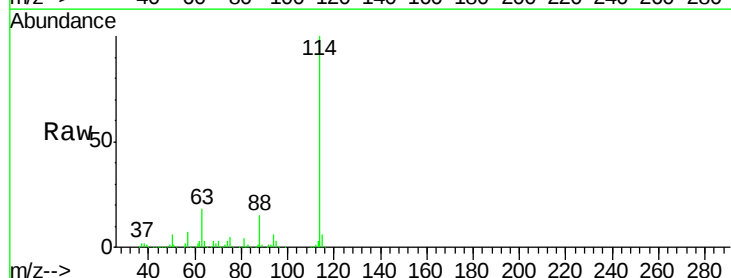
Tgt Ion: 114 Resp: 1204463

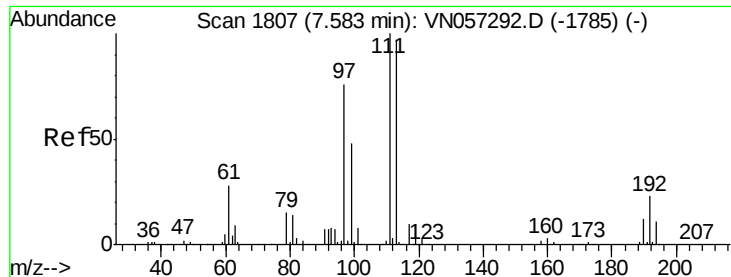
Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.8

88 15.3 0.0 31.4





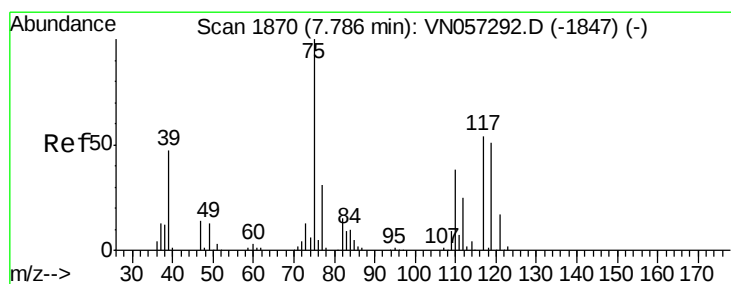
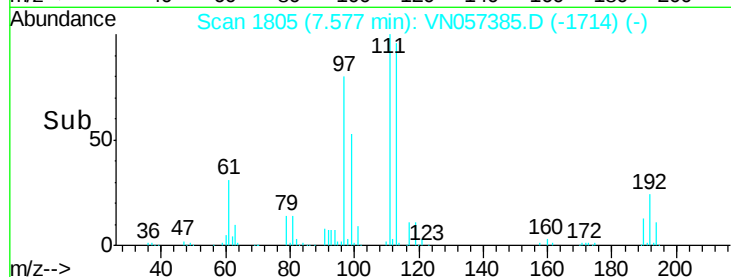
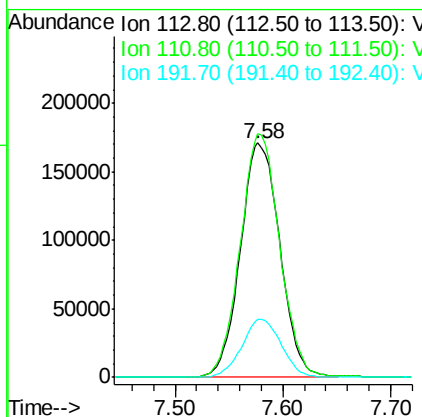
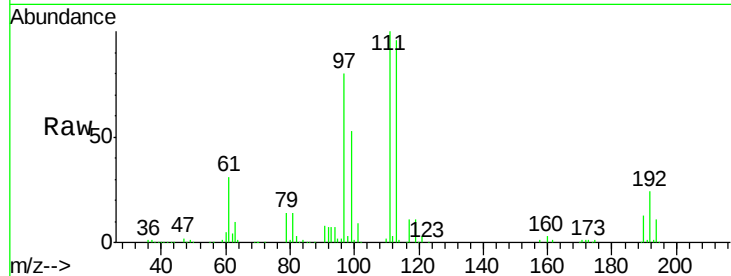
#35
 Dibromofluoromethane
 Concen: 55.237 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	436124		
111	104.2	82.1	123.1	
192	24.7	19.3	28.9	

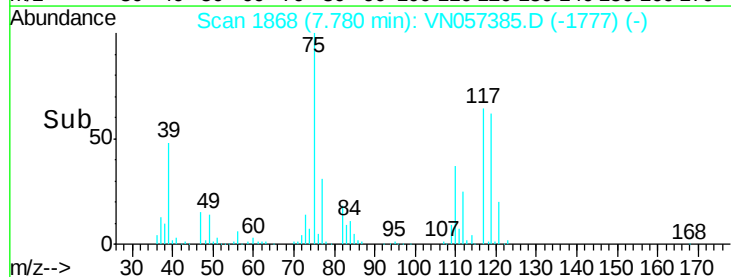
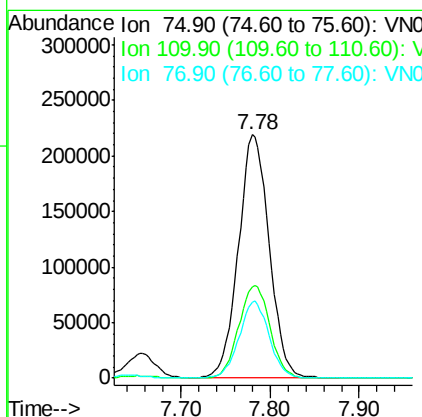
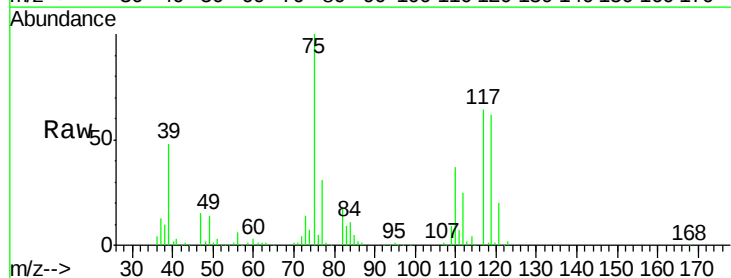
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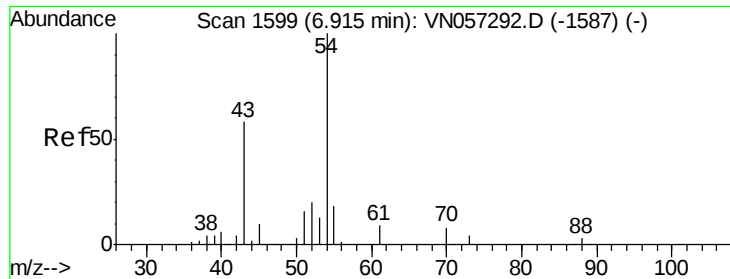
MMDadoda
 8/21/2019 9:45:00 AM



#36
 1,1-Dichloropropene
 Concen: 49.199 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	523213		
110	39.0	19.5	58.5	
77	31.2	25.0	37.6	





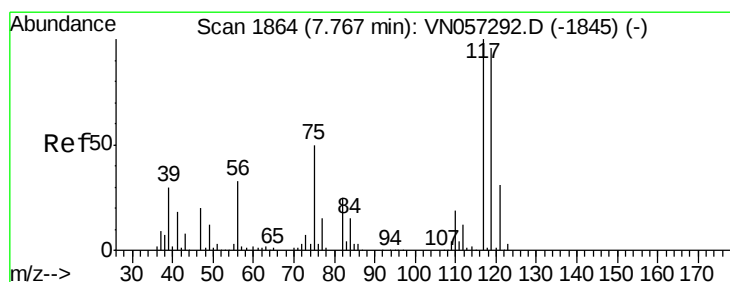
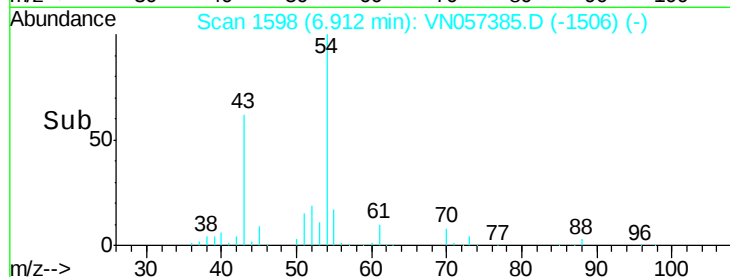
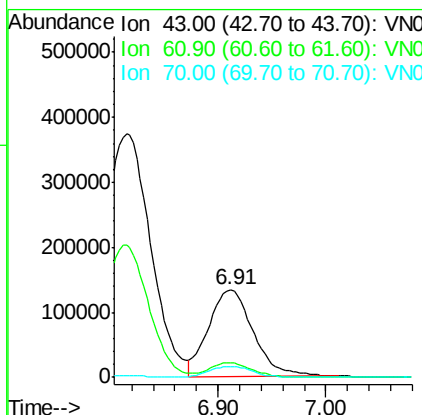
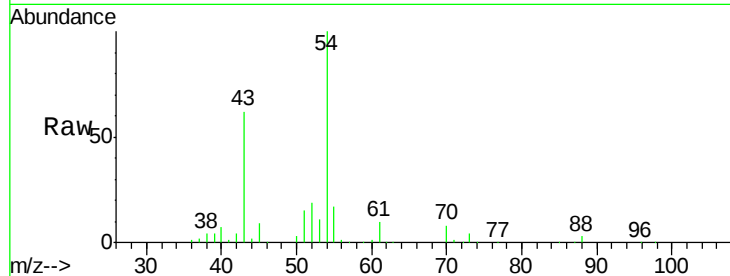
#37
Ethyl Acetate
Concen: 44.283 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	12.4	9.2	13.8

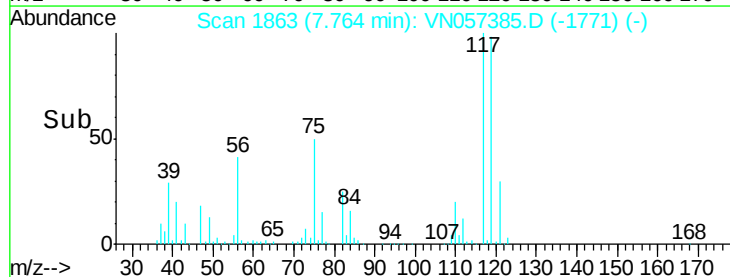
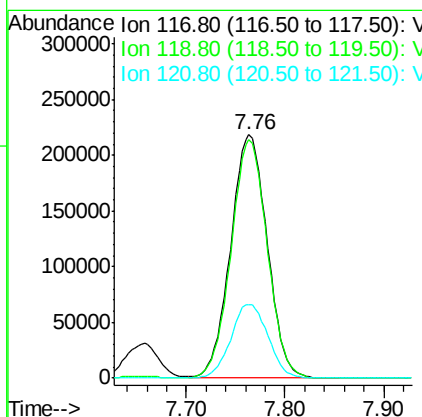
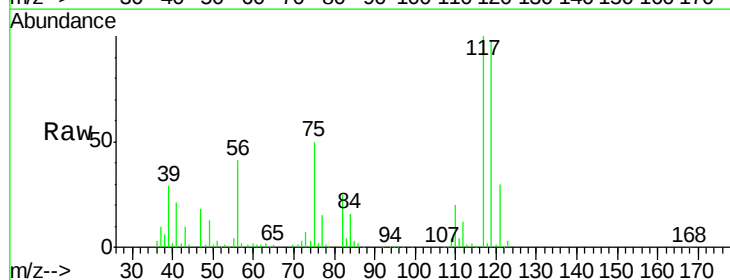
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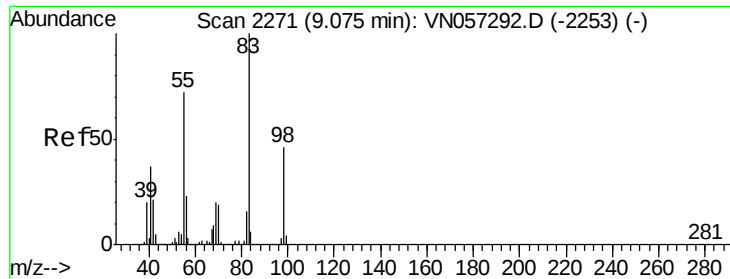
MMDadoda
8/21/2019 9:45:00 AM



#38
Carbon Tetrachloride
Concen: 50.987 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.8	115.2
121	30.4	25.0	37.4





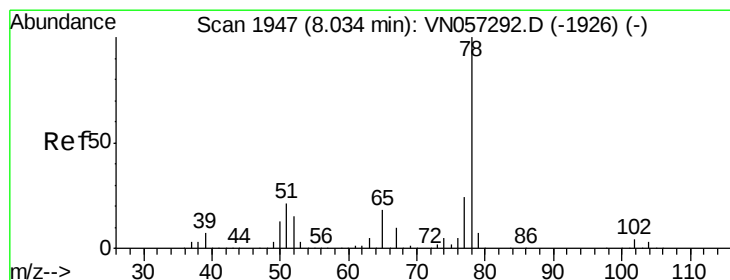
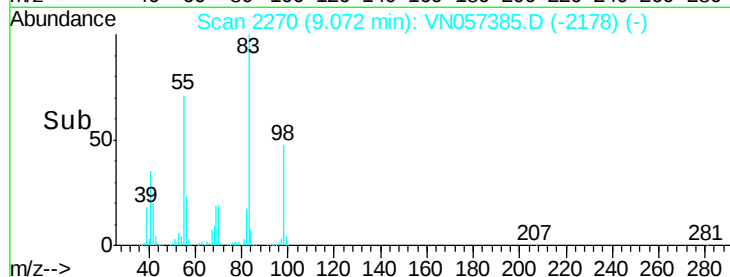
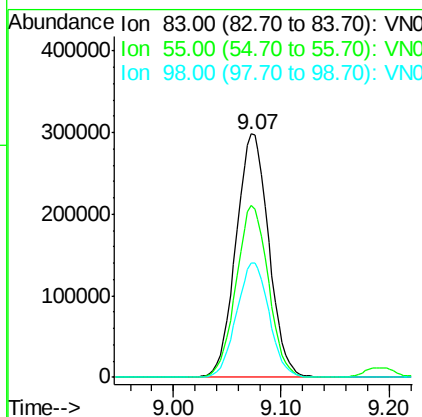
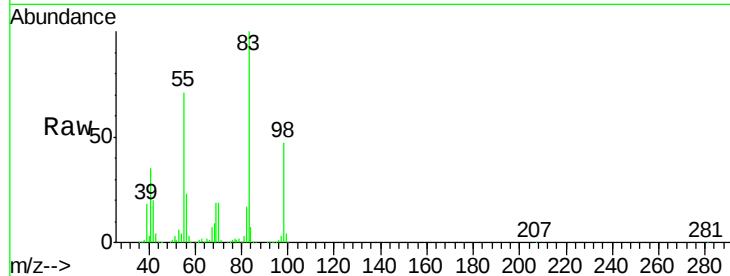
#39
Methvlcvclohexane
Concen: 50.669 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	57.5	86.3
98	46.9	36.6	55.0

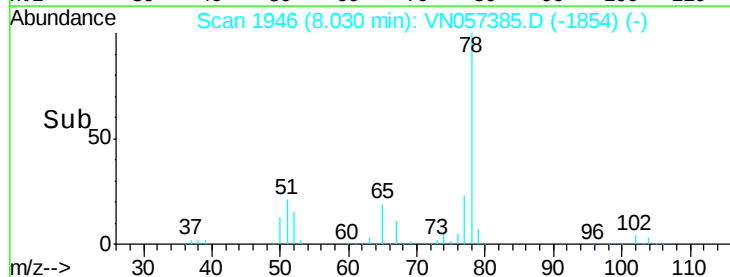
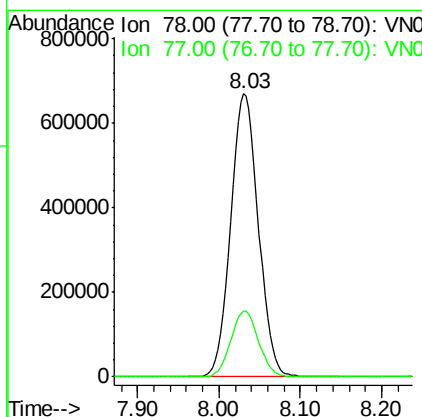
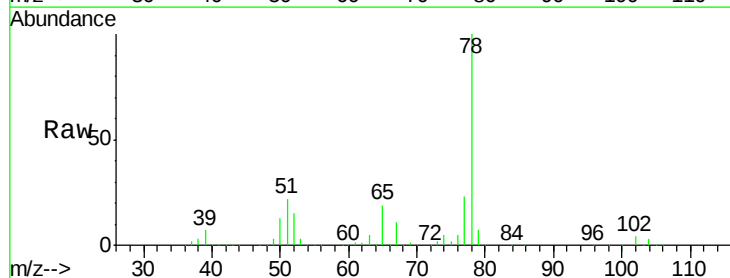
Manual Integrations
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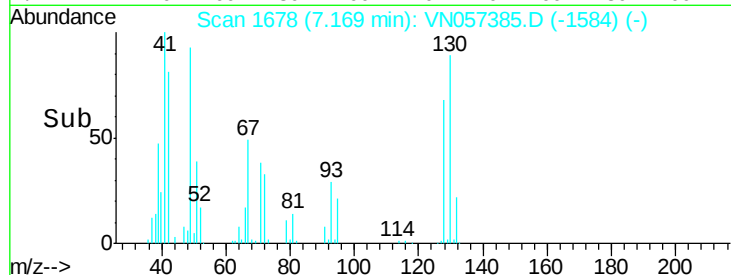
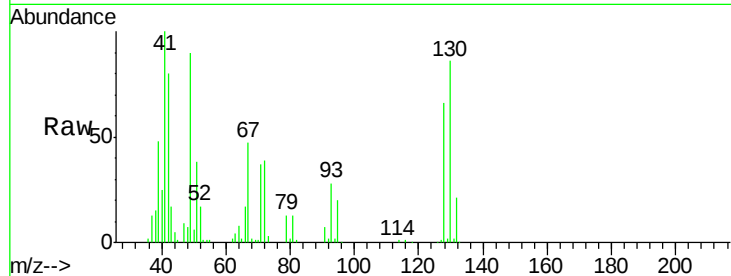
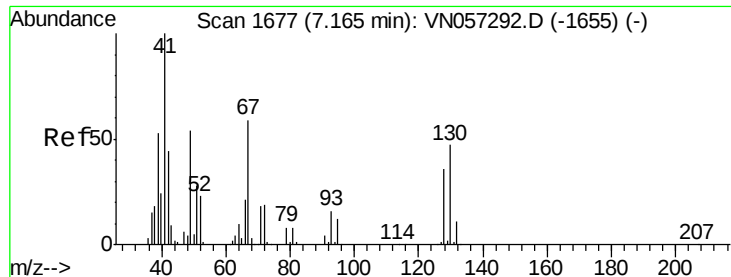
MMDadoda
8/21/2019 9:45:00 AM



#40
Benzene
Concen: 48.756 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





#41

Methacrylonitrile

Concen: 54.090 ug/l m

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN057385.D

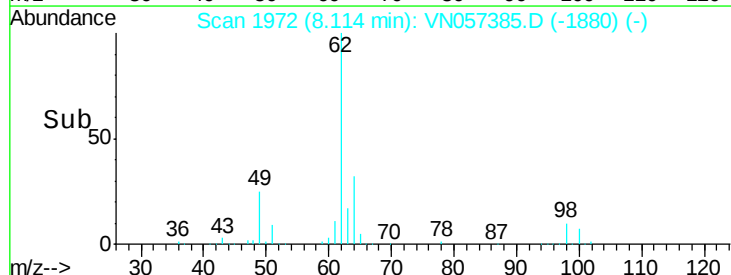
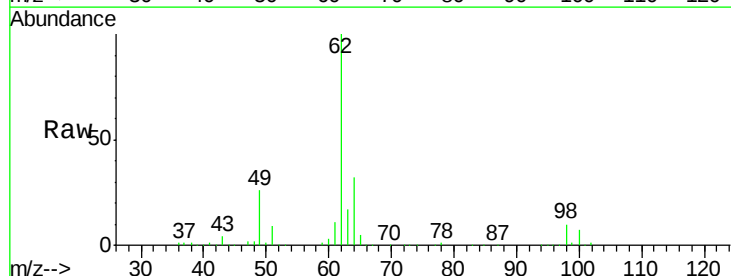
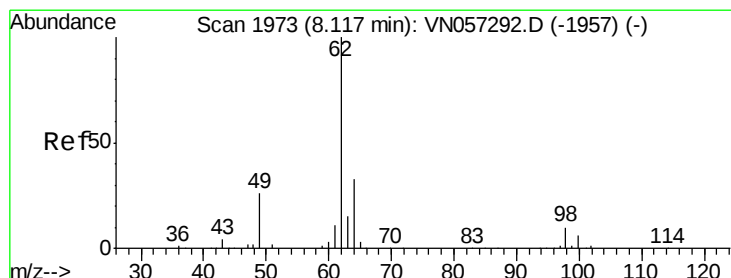
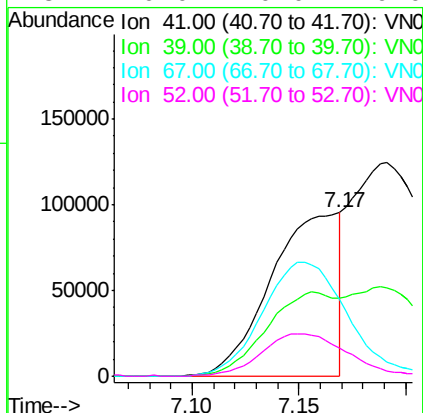
Acq: 19 Aug 2019 8:50

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.822 ug/l

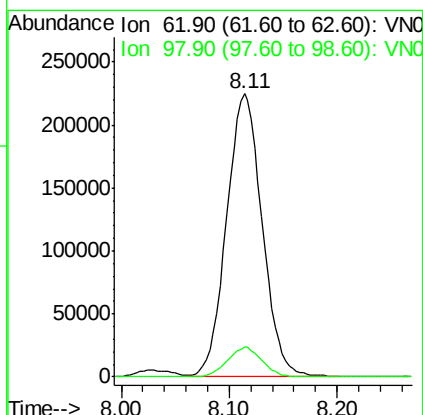
RT: 8.11 min Scan# 1972

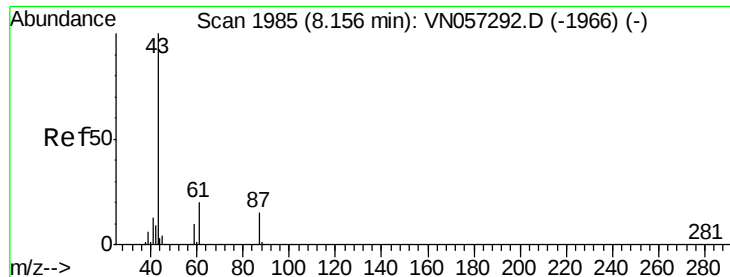
Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
62	100		
98	10.3	0.0	19.4





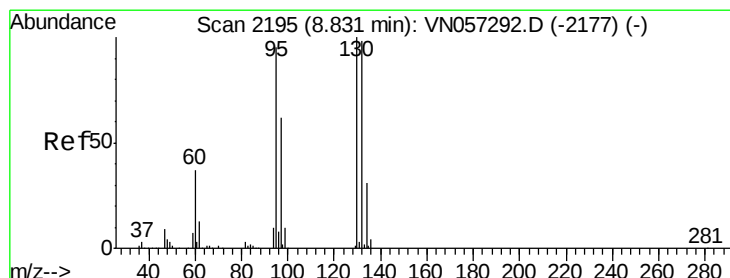
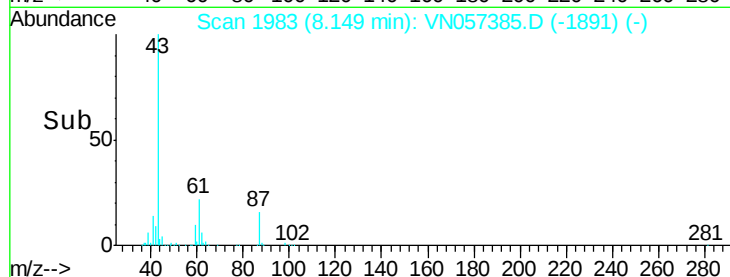
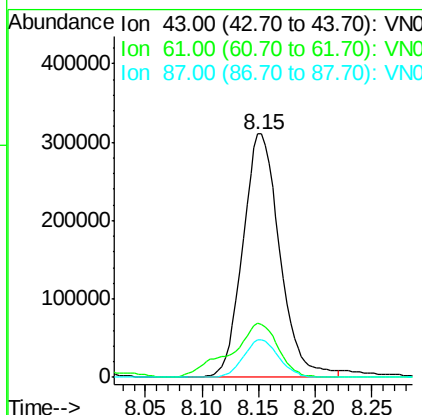
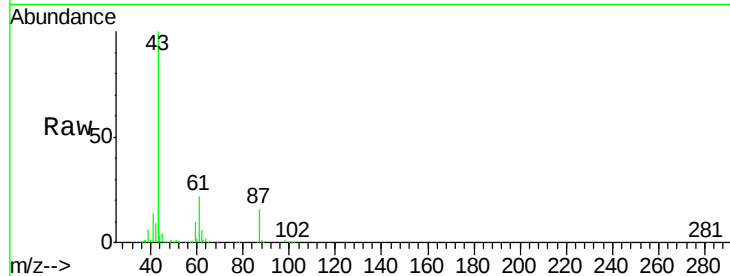
#43
Isopropyl Acetate
Concen: 44.104 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.01 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	21.6	32.4
87	14.9	11.4	17.0

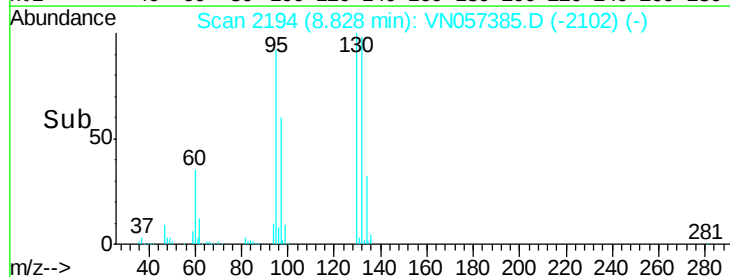
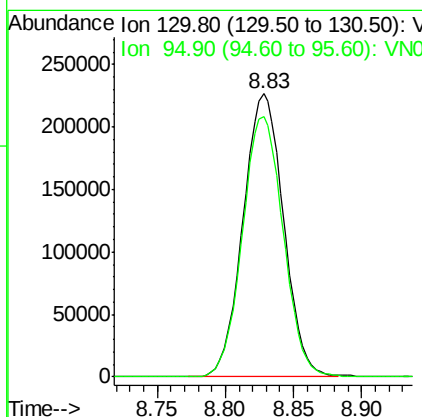
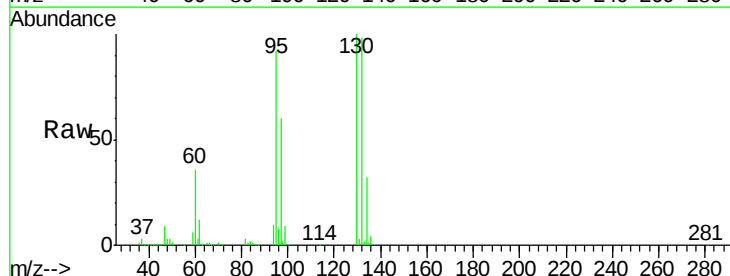
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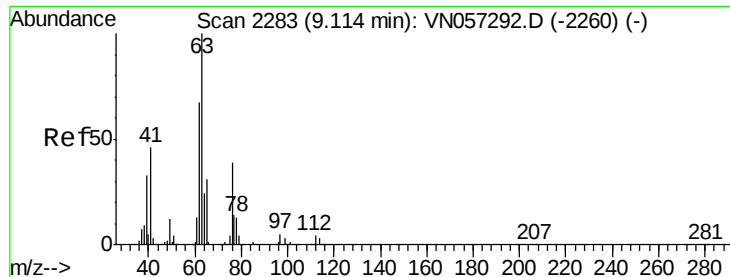
MMDadoda
8/21/2019 9:45:00 AM



#44
Trichloroethene
Concen: 51.041 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	189.2





#45

1,2-Dichloropropane

Concen: 48.305 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 405002

Ion Ratio Lower Upper

63 100

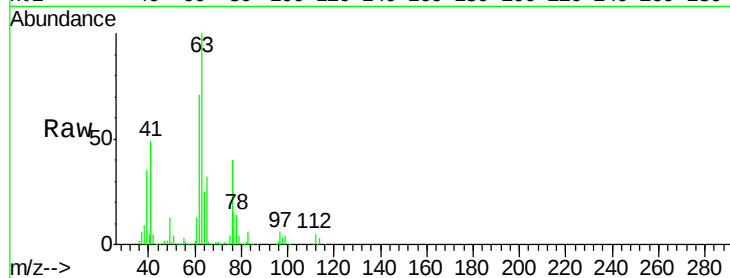
65 32.3 24.8 37.2

Manual Integrations

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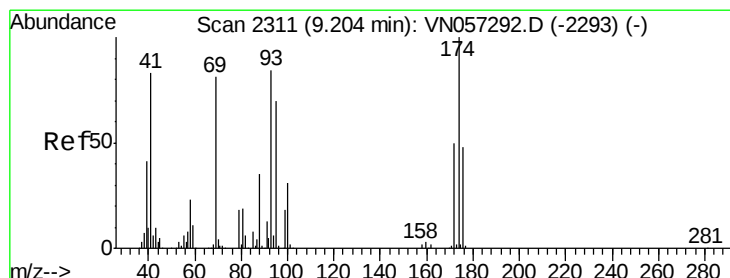
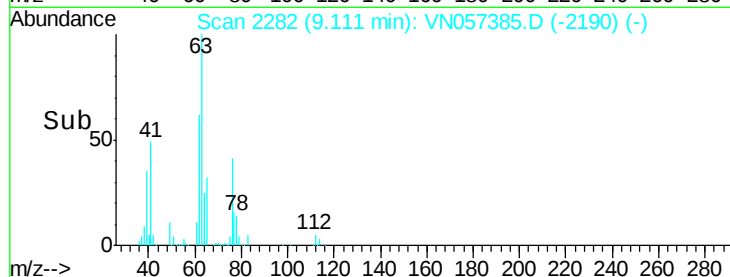
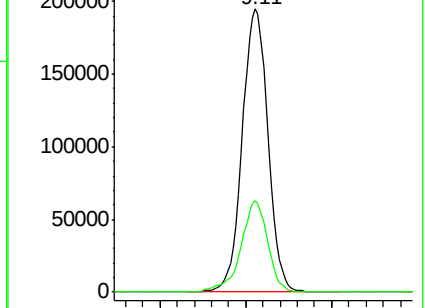
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.468 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

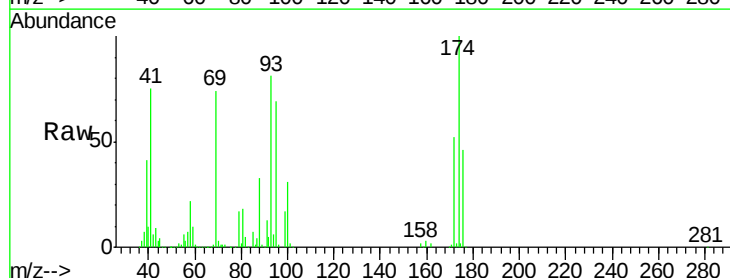
Tgt Ion: 93 Resp: 271099

Ion Ratio Lower Upper

93 100

95 85.3 66.5 99.7

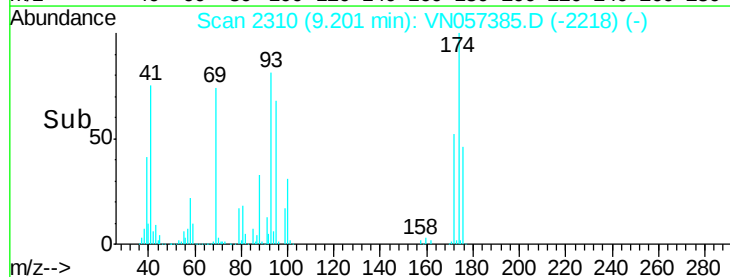
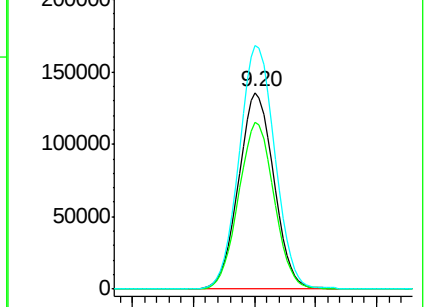
174 126.2 95.7 143.5

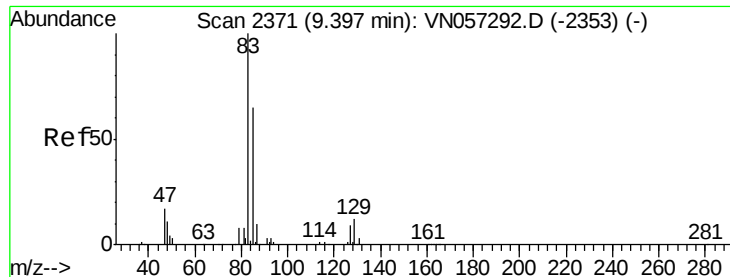


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.836 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

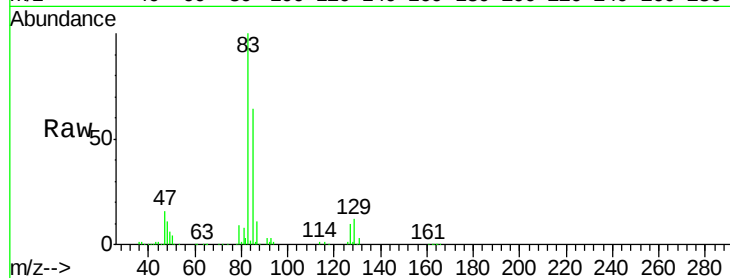
ClientSampleId :

VSTDCCC050

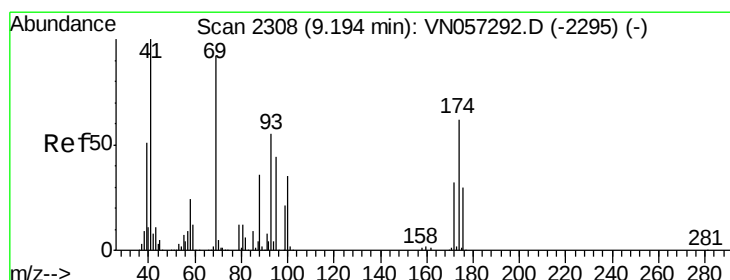
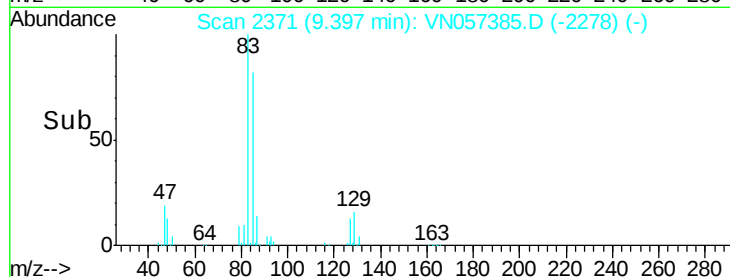
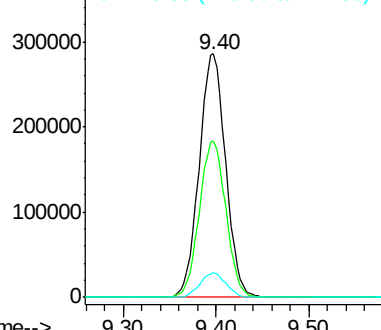
Tot Ion:	83	Resp:	563375
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.9	77.9
127	10.0	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN057292.D (-2353) (-)



#48

Methyl methacrylate

Concen: 43.911 ug/l

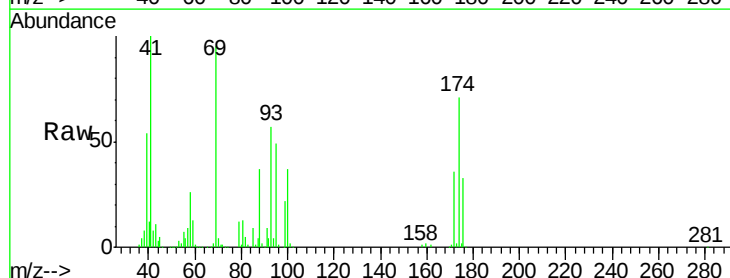
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

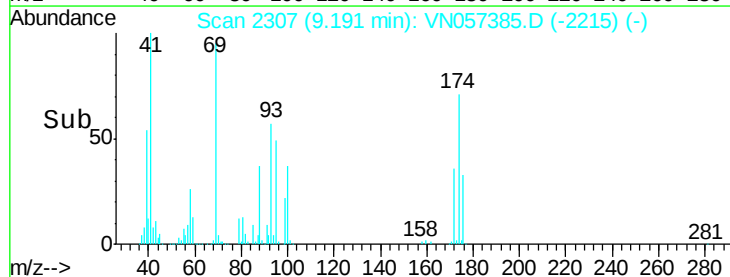
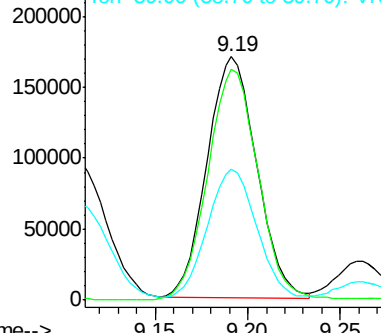
Lab File: VN057385.D

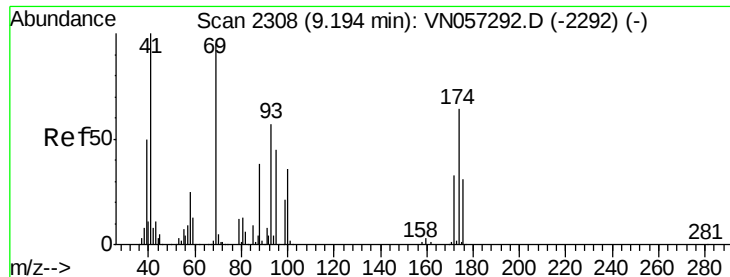
Acq: 19 Aug 2019 8:50

Tgt Ion:	41	Resp:	314962
Ion Ratio	Lower	Upper	
41	100		
69	98.3	75.9	113.9
39	54.6	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VN057292.D (-2295) (-)





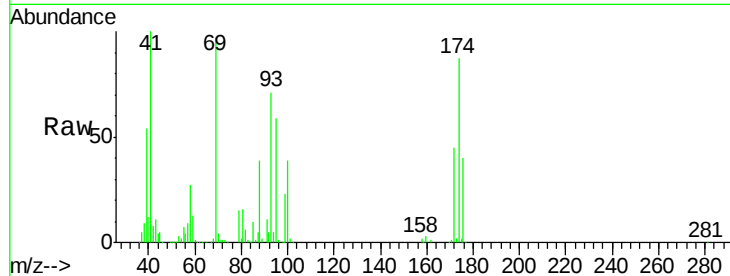
#49
1,4-Dioxane
Concen: 944.384 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.9	22.9	34.3
58	65.5	52.7	79.1

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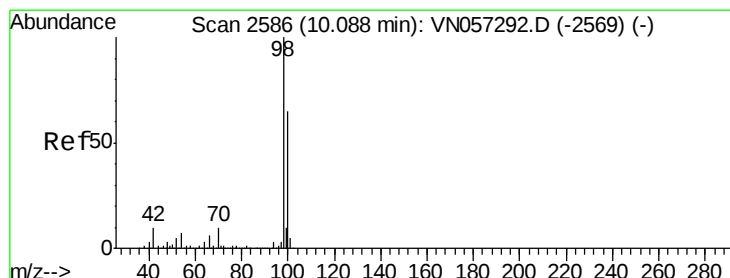
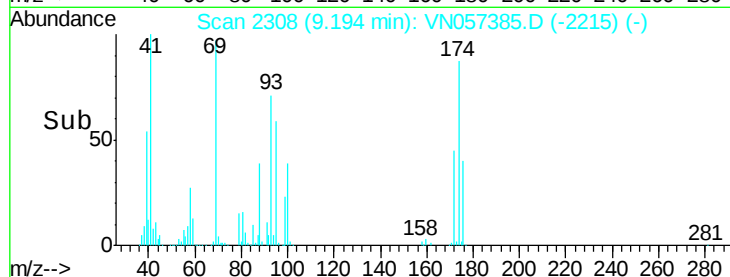
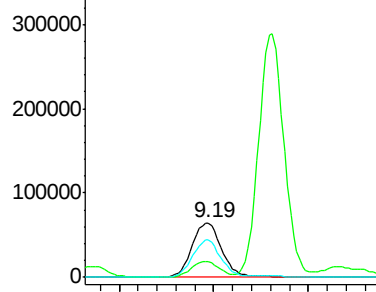


Abundance

Ion 88.00 (87.70 to 88.70): VN057292.D (-2292) (-)

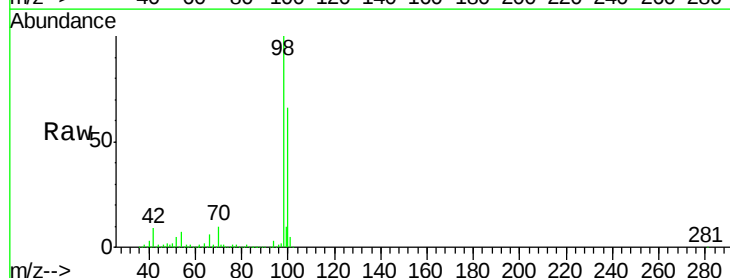
Ion 43.00 (42.70 to 43.70): VN057292.D (-2292) (-)

Ion 58.00 (57.70 to 58.70): VN057292.D (-2292) (-)



#50
Toluene-d8
Concen: 56.961 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

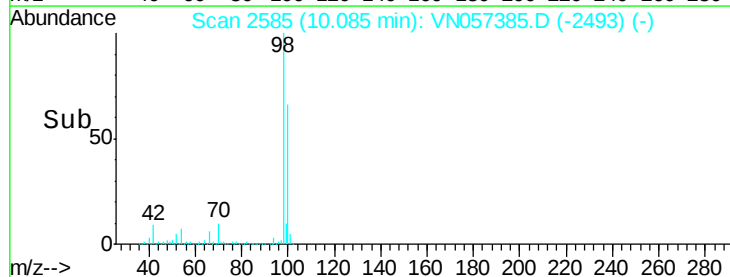
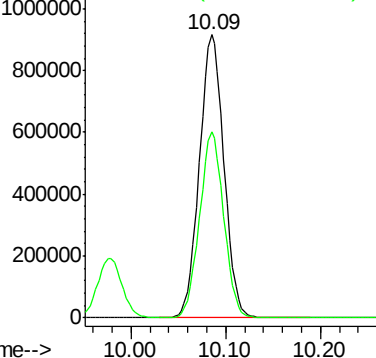
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9

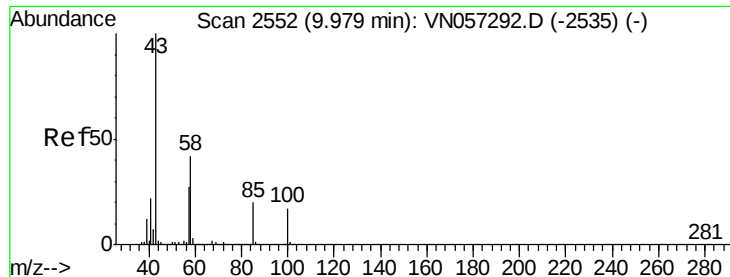


Abundance

Ion 98.00 (97.70 to 98.70): VN057292.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057292.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 218.884 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1966865

Ion Ratio Lower Upper

43 100

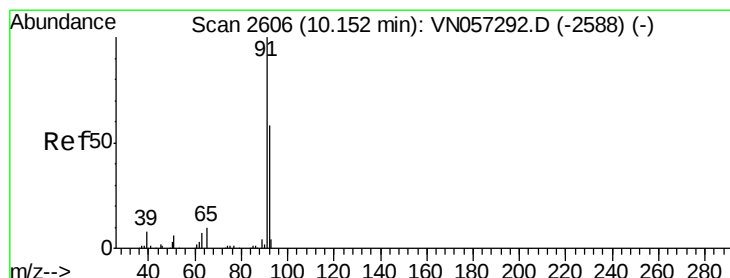
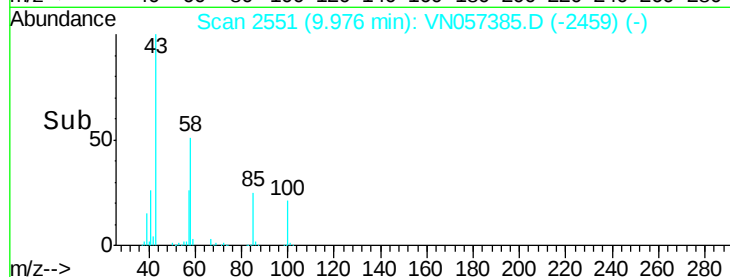
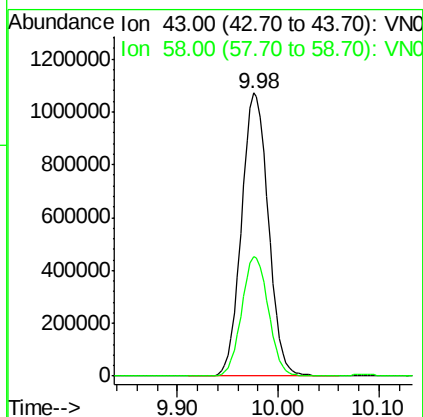
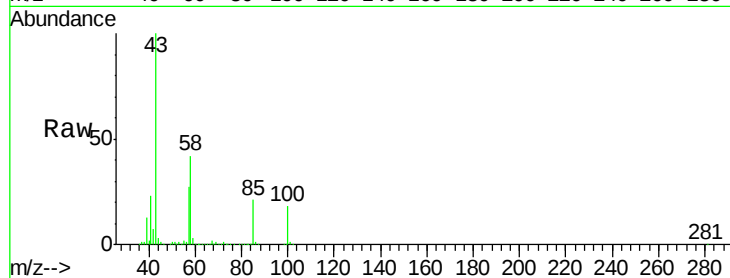
58 42.1 33.2 49.8

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#52

Toluene

Concen: 51.454 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057385.D

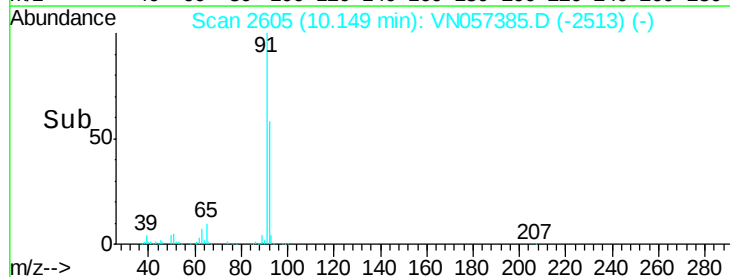
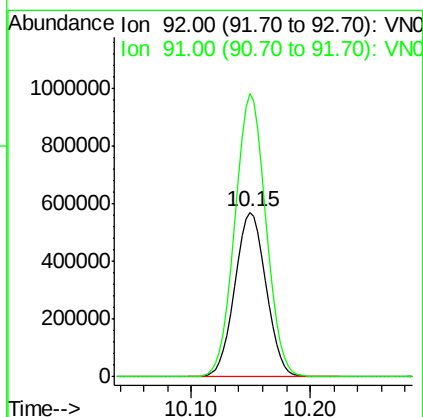
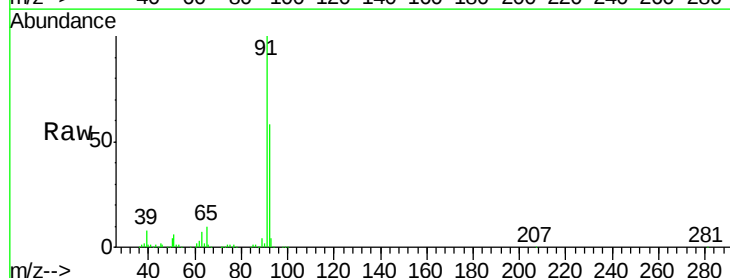
Acq: 19 Aug 2019 8:50

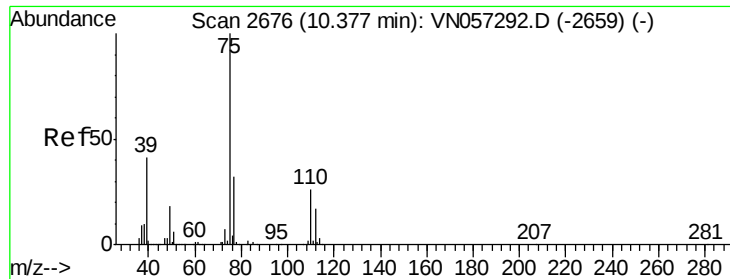
Tgt Ion: 92 Resp: 1041742

Ion Ratio Lower Upper

92 100

91 170.3 138.9 208.3





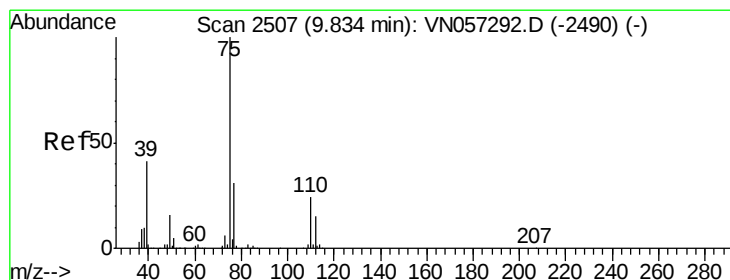
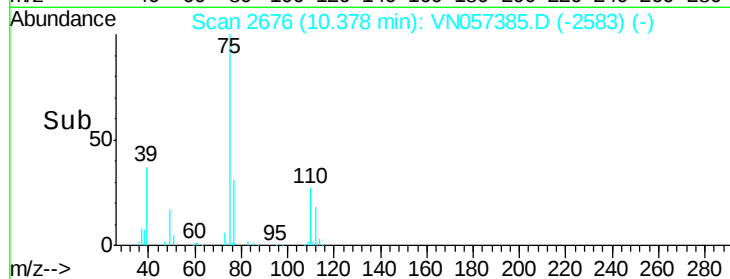
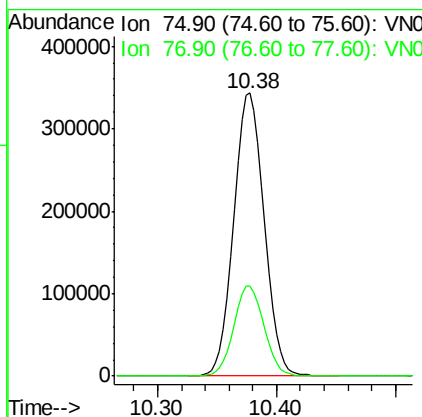
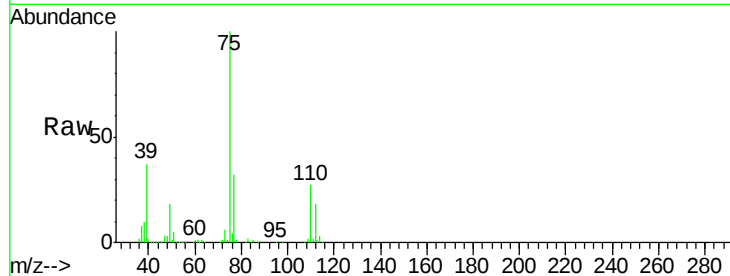
#53
t-1,3-Dichloropropene
Concen: 50.766 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

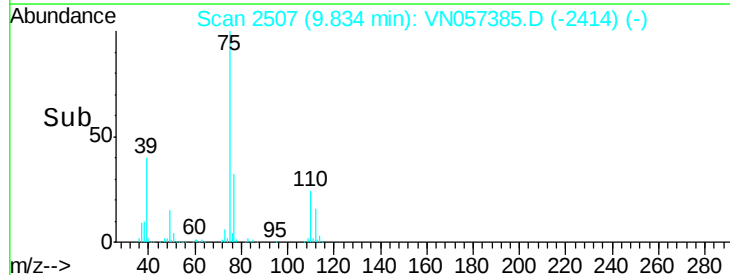
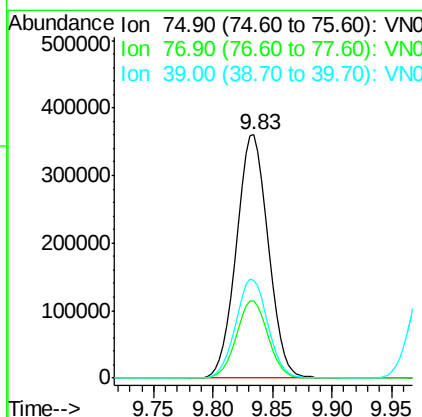
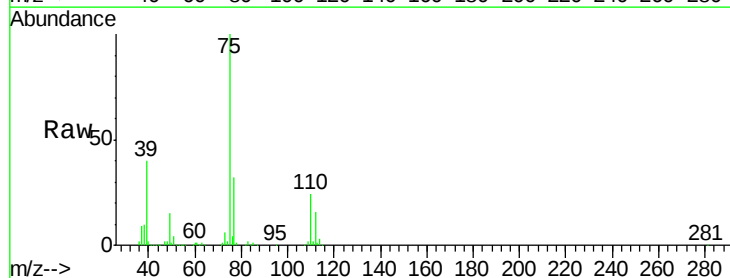
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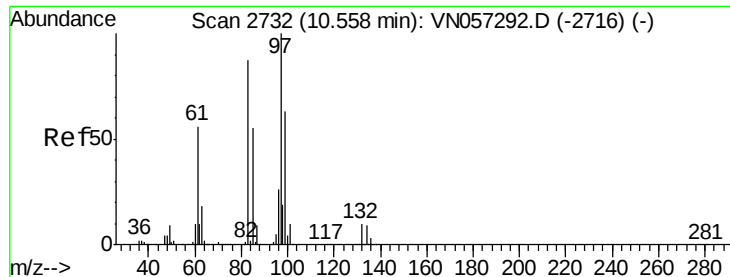
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#54
cis-1,3-Dichloropropene
Concen: 50.658 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3
39	40.3	32.7	49.1





#55

1,1,2-Trichloroethane

Concen: 49.481 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

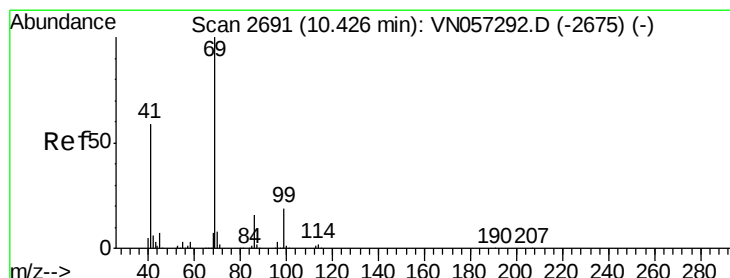
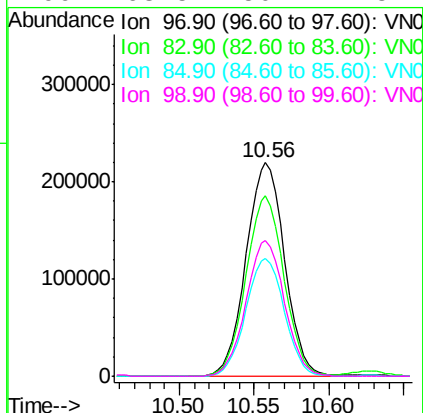
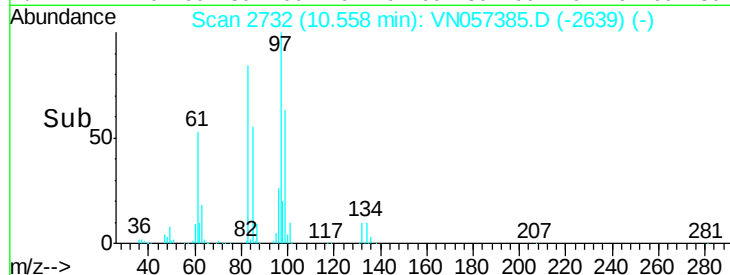
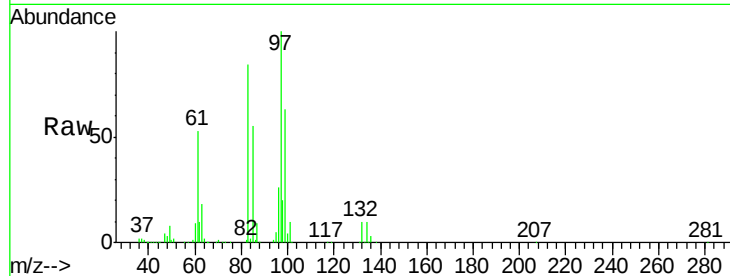
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	393927
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.8	104.8
85	55.1	44.1	66.1
99	63.5	50.2	75.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.221 ug/l

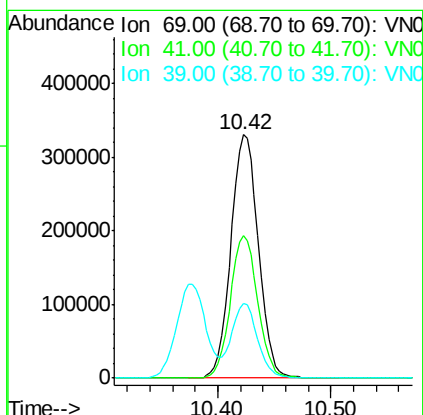
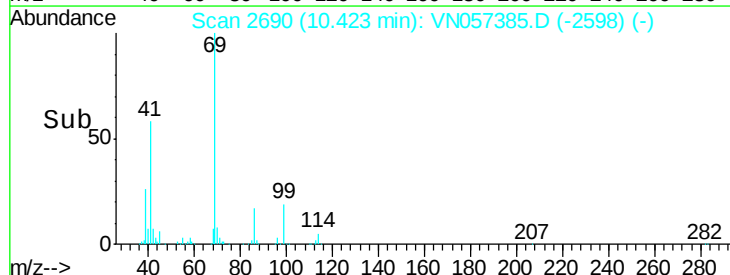
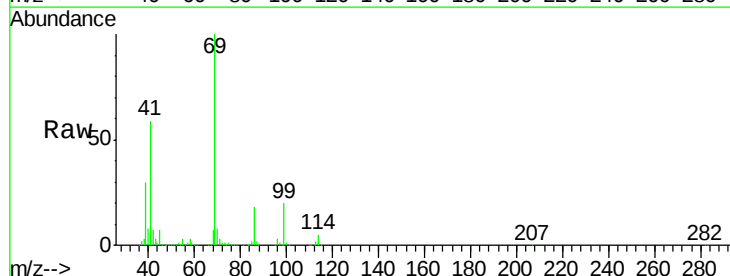
RT: 10.42 min Scan# 2690

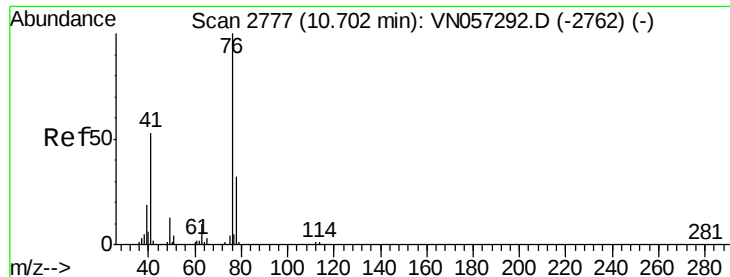
Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion:	69	Resp:	560228
Ion	Ratio	Lower	Upper
69	100		
41	58.0	48.2	72.2
39	28.6	23.4	35.0





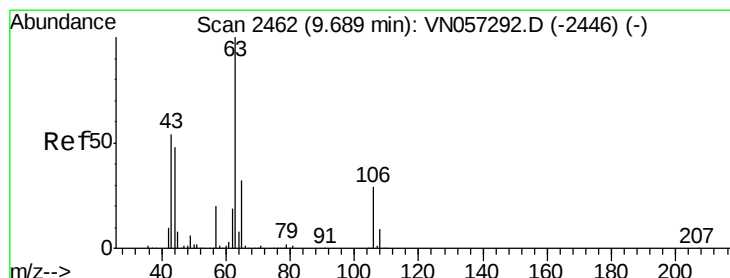
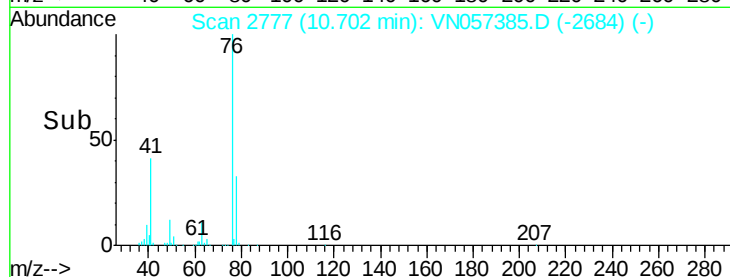
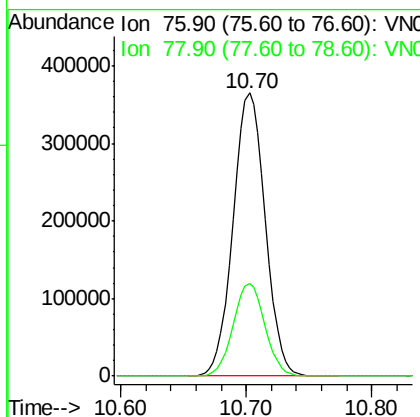
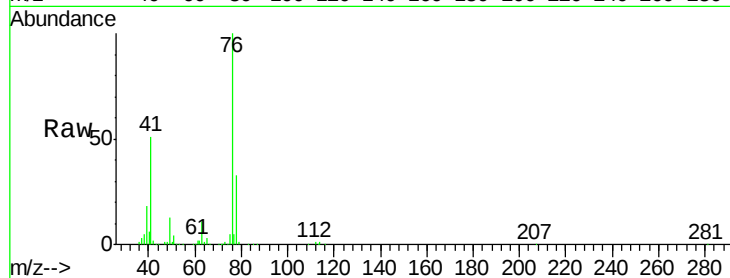
#57
 1,3-Dichloropropane
 Concen: 48.797 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.6	38.4

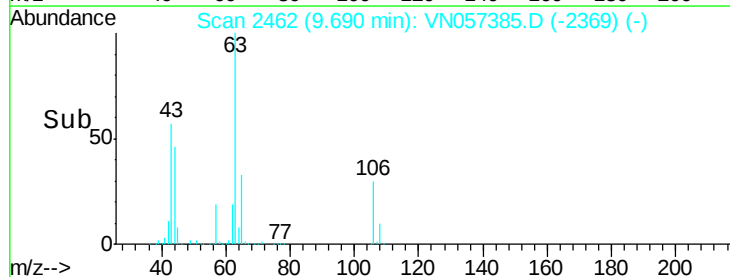
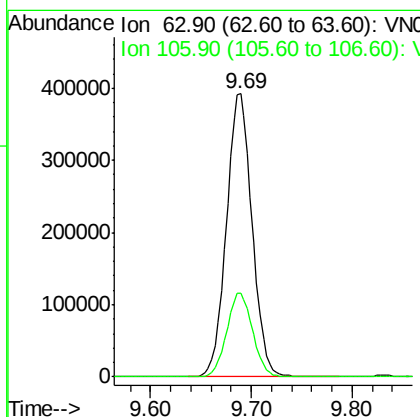
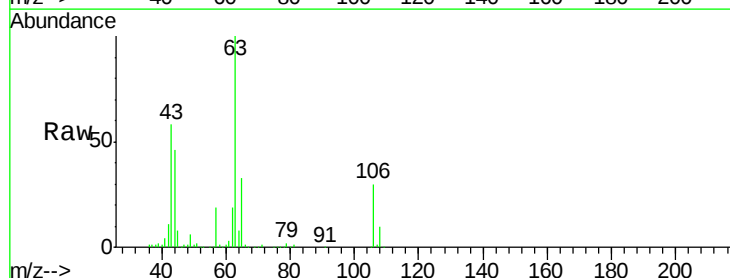
Manual Integrations
 APPROVED

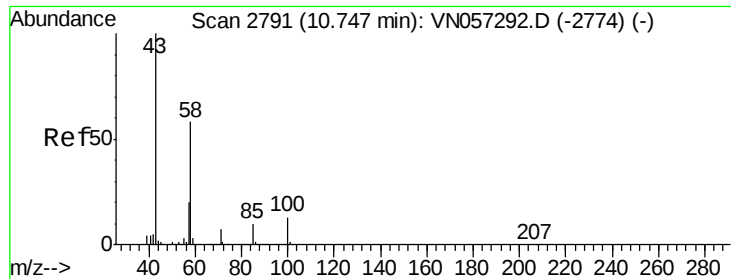
MMDadoda
 8/21/2019 9:45:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 205.031 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	23.2	34.8





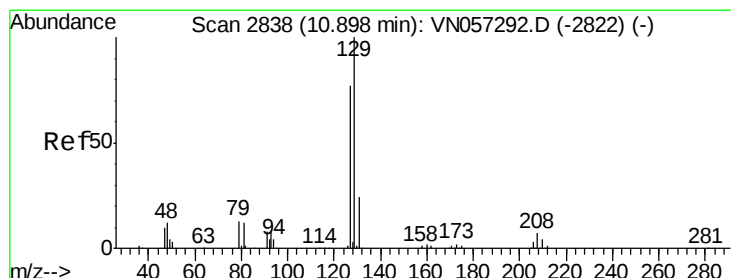
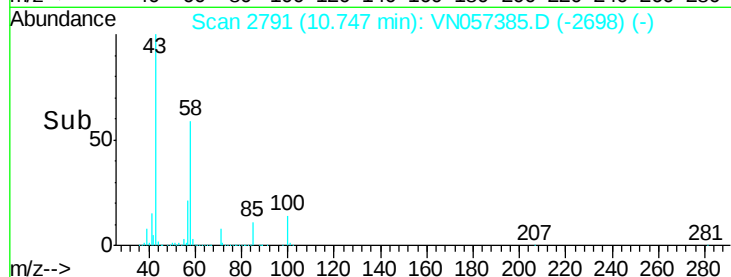
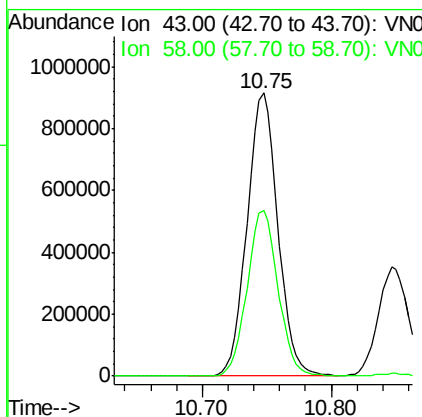
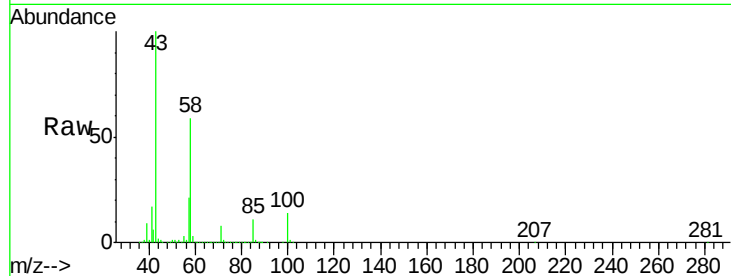
#59
2-Hexanone
Concen: 235.745 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1522954
Ion Ratio Lower Upper
43 100
58 58.8 28.6 85.9

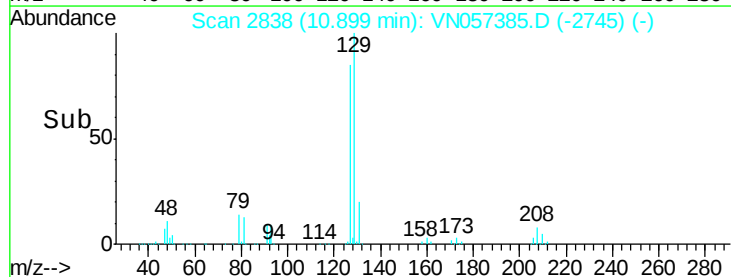
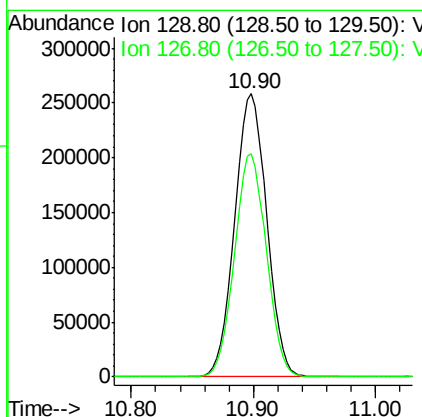
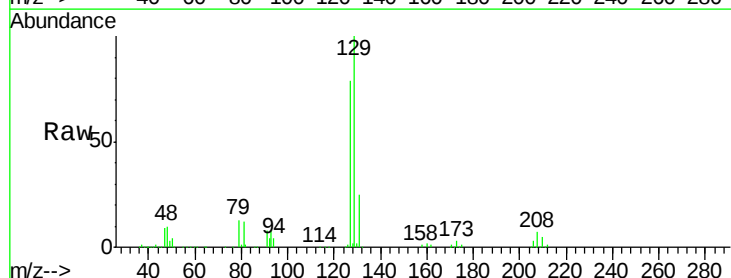
Manual Integrations
APPROVED

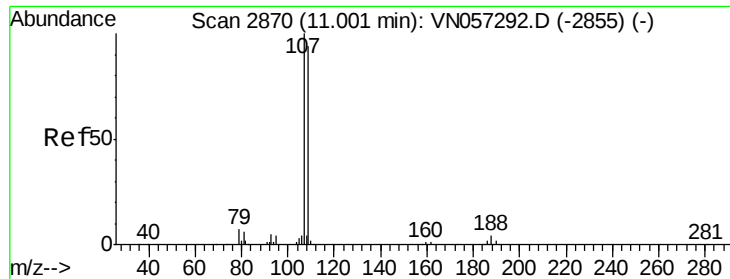
MMDadoda
8/21/2019 9:45:00 AM



#60
Dibromochloromethane
Concen: 52.667 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 129 Resp: 469870
Ion Ratio Lower Upper
129 100
127 78.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.468 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 419517

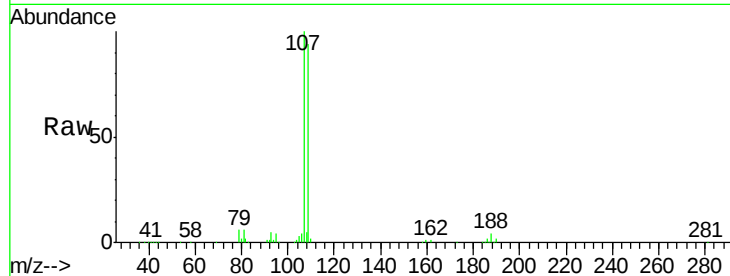
Ion Ratio Lower Upper

107 100

109 94.6 75.7 113.5

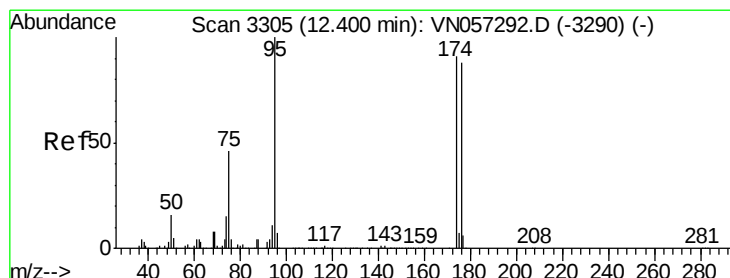
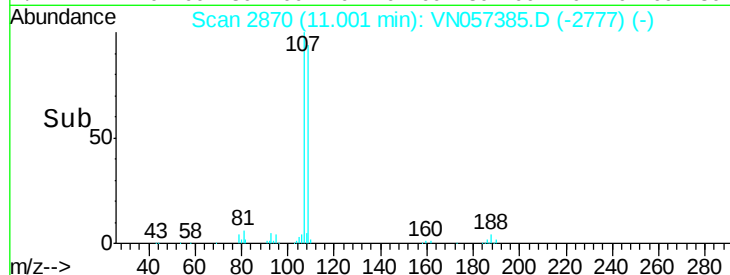
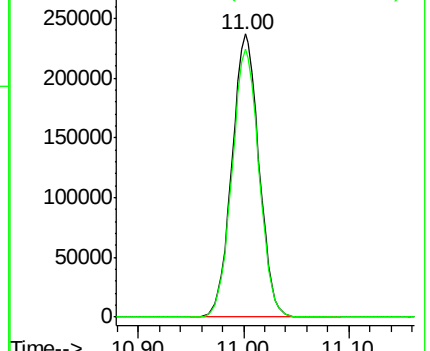
Manual Integrations
APPROVED

MMDadoda
8/21/2019 9:45:00 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.805 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

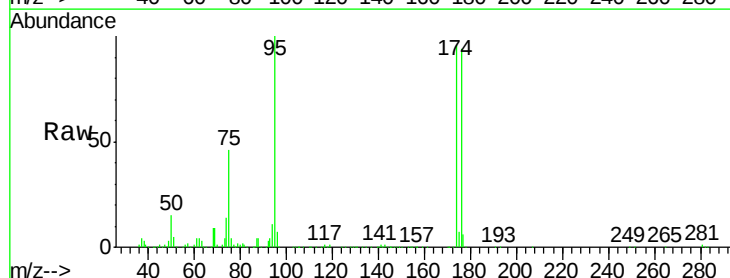
Tgt Ion: 95 Resp: 569507

Ion Ratio Lower Upper

95 100

174 96.4 0.0 185.0

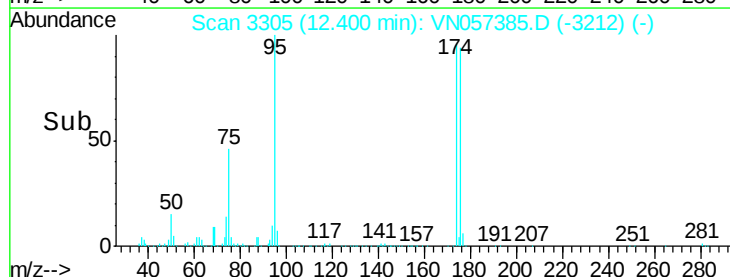
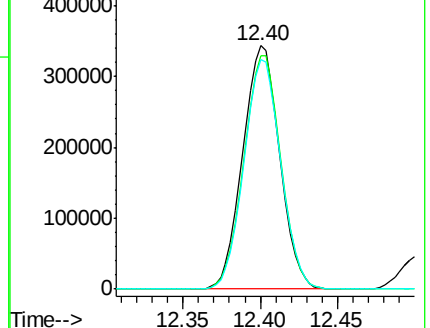
176 94.3 0.0 181.0

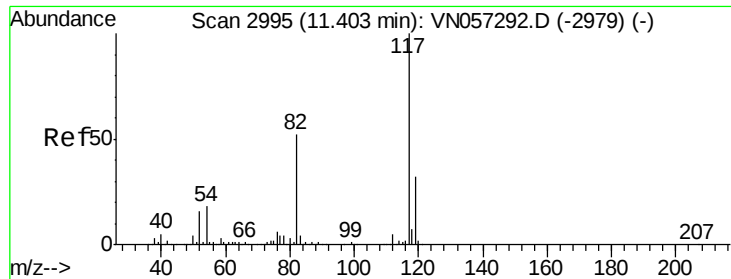


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 1086438

Ion Ratio Lower Upper

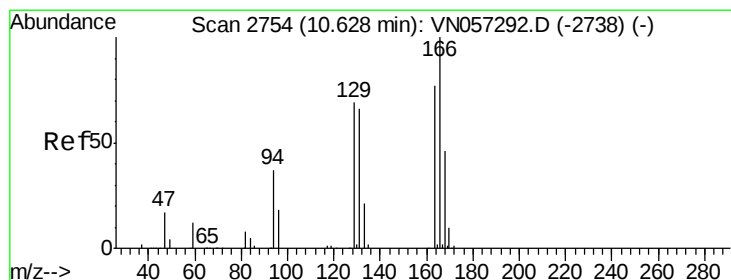
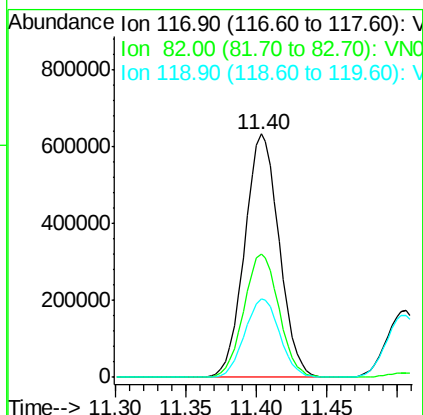
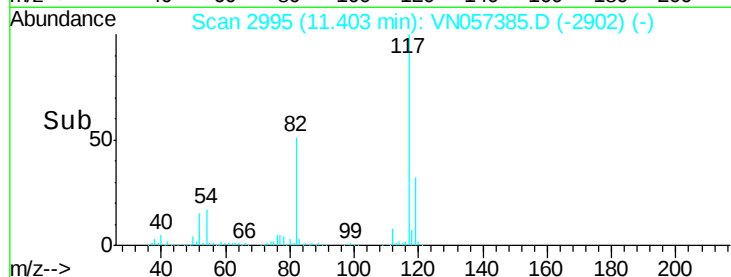
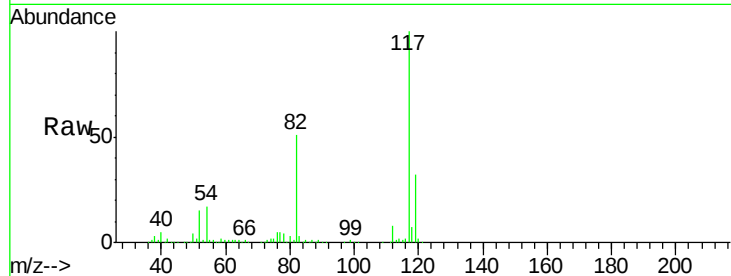
117 100

82 50.9 41.2 61.8

119 32.0 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
8/21/2019 9:45:00 AM



#64

Tetrachloroethene

Concen: 52.026 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion:164 Resp: 488627

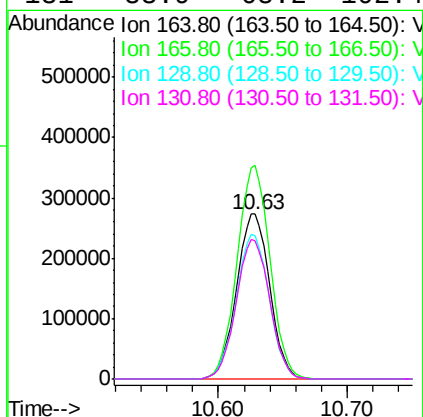
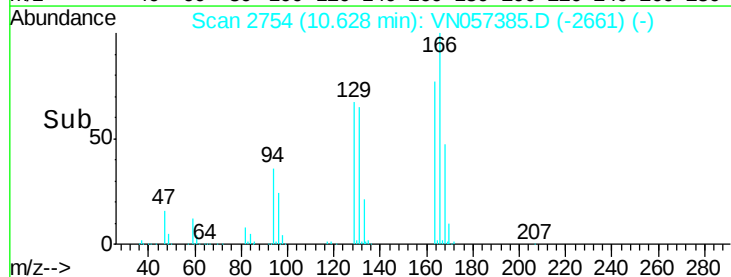
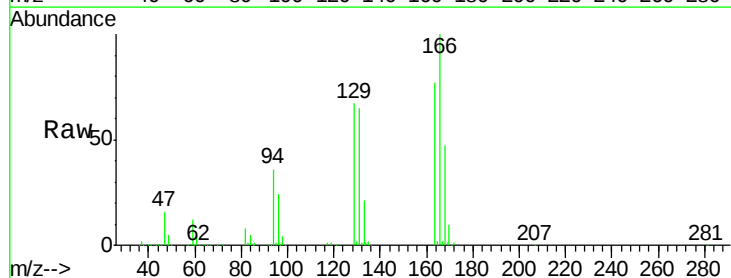
Ion Ratio Lower Upper

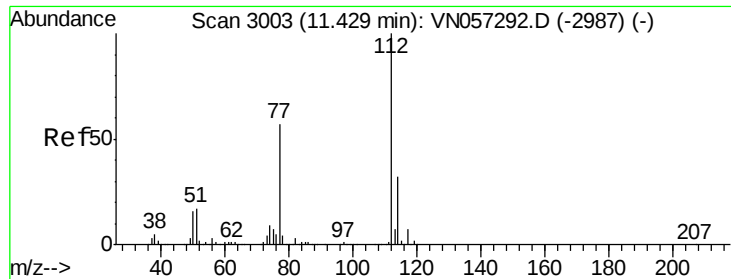
164 100

166 129.5 103.5 155.3

129 87.2 71.2 106.8

131 83.9 68.2 102.4





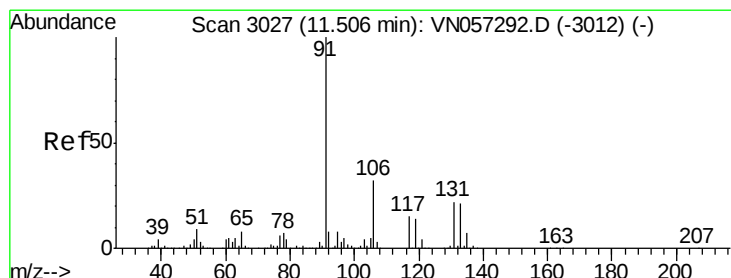
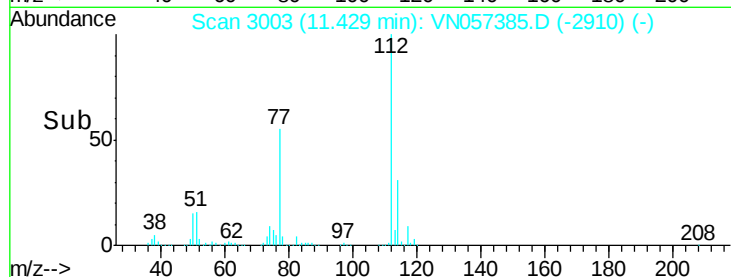
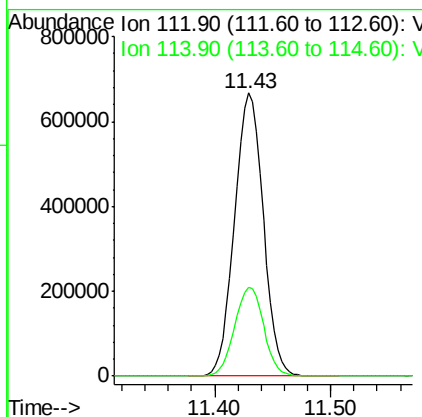
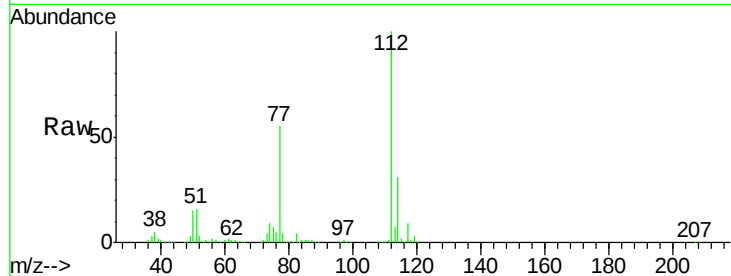
#65
Chlorobenzene
Concen: 51.724 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1146130
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5

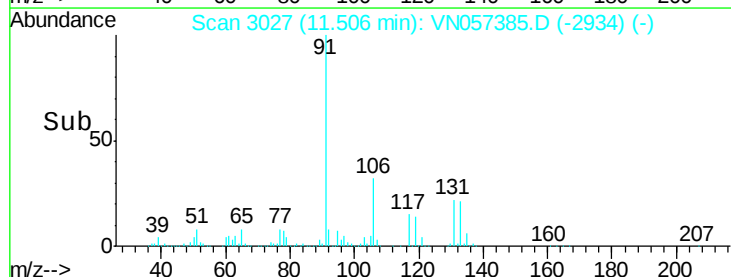
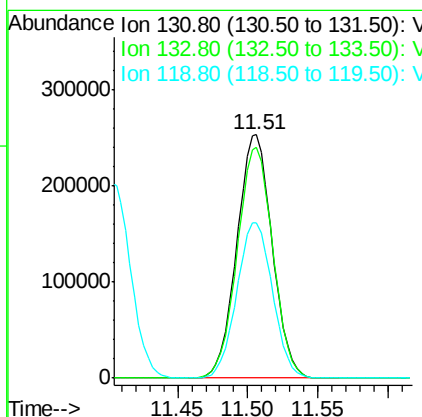
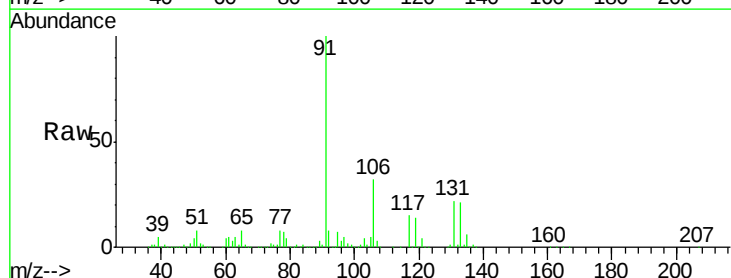
Manual Integrations
APPROVED

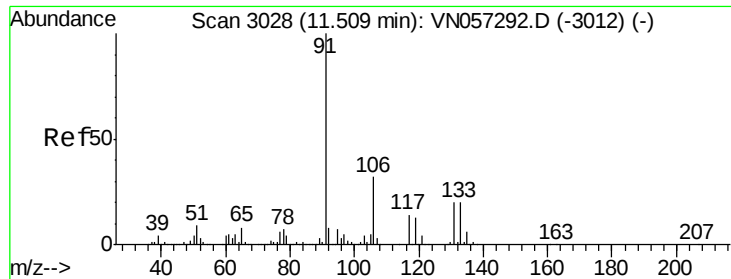
MMDadoda
8/21/2019 9:45:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.343 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion:131 Resp: 444187
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.8
119 64.5 32.0 96.2





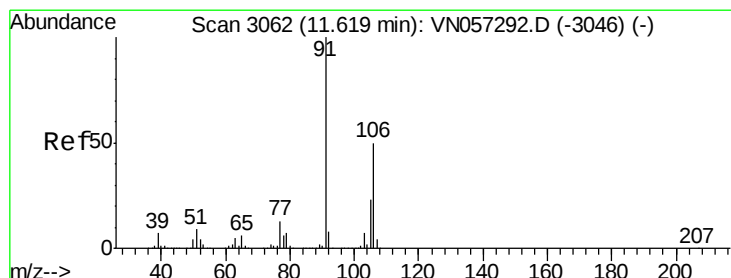
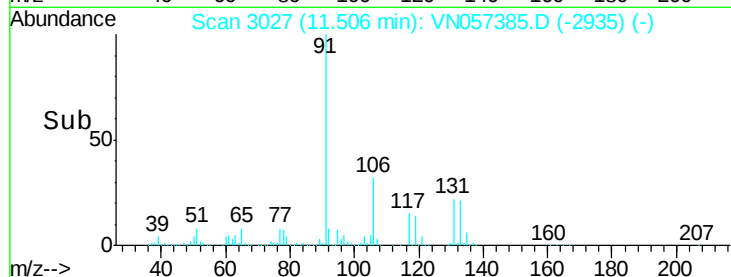
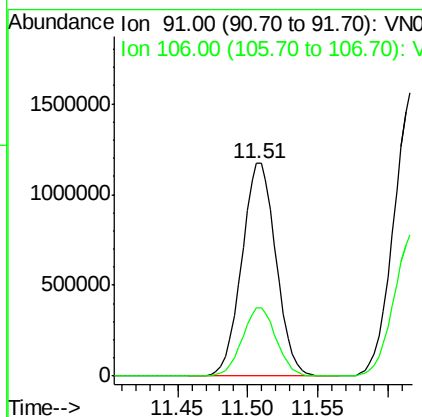
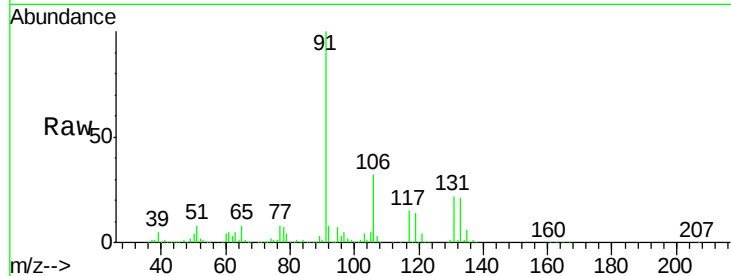
#67
Ethyl Benzene
Concen: 51.371 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1991502
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

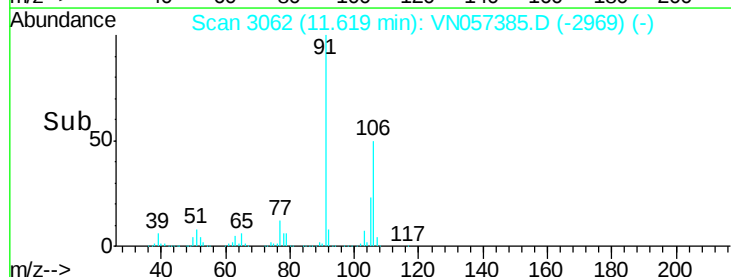
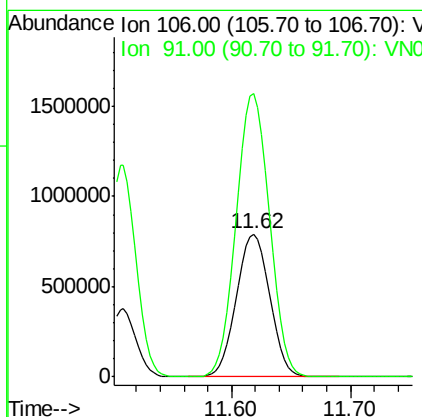
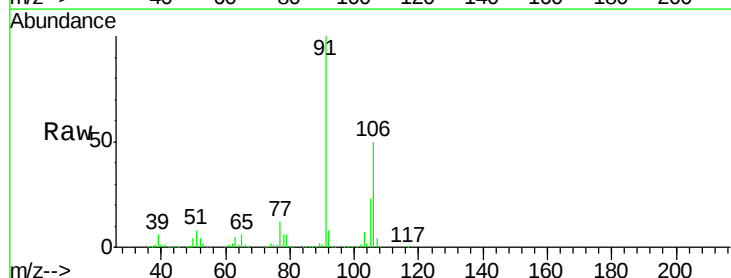
Manual Integrations
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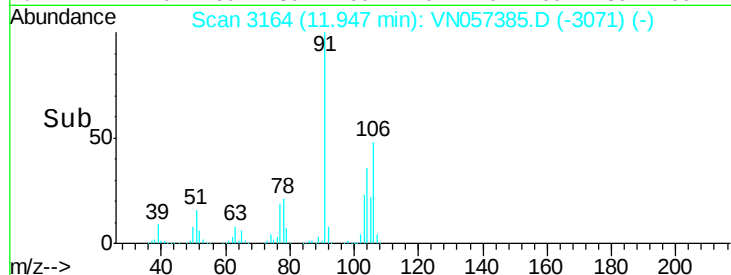
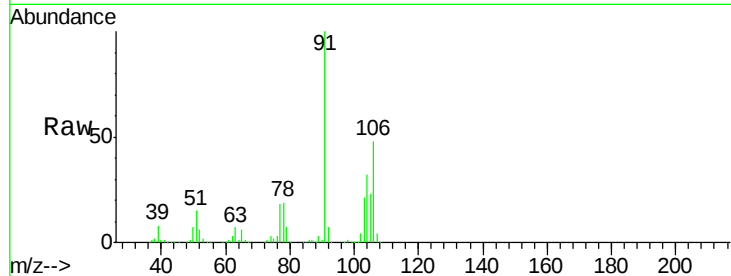
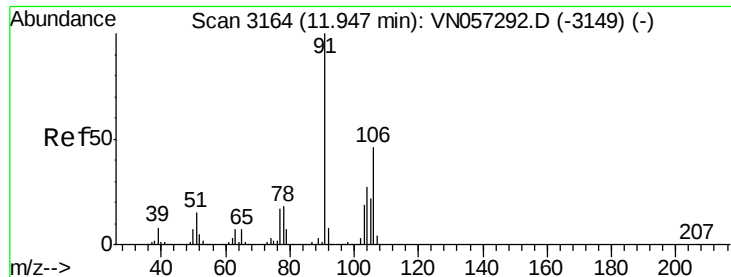
MMDadoda
8/21/2019 9:45:00 AM



#68
m/p-Xylenes
Concen: 107.853 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion: 106 Resp: 1540497
Ion Ratio Lower Upper
106 100
91 198.1 161.5 242.3





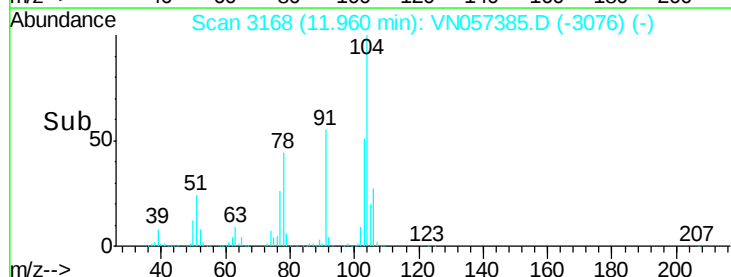
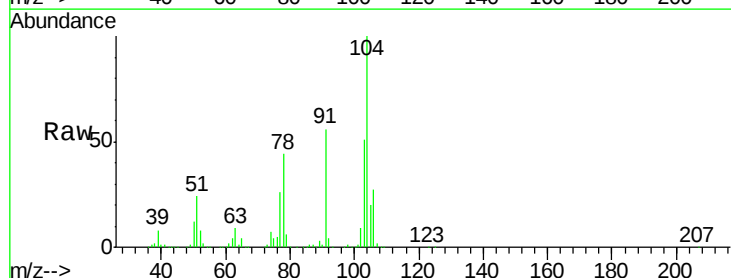
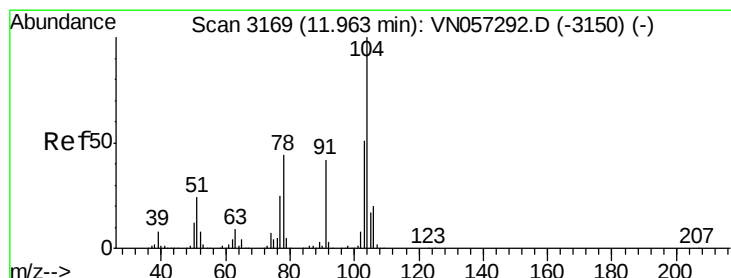
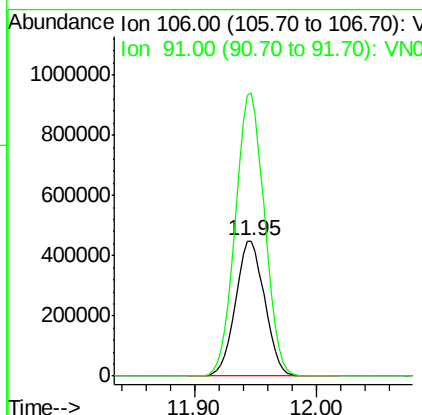
#69
o-Xylene
Concen: 53.013 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tot Ion:106 Resp: 743468
Ion Ratio Lower Upper
106 100
91 209.4 106.3 319.0

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

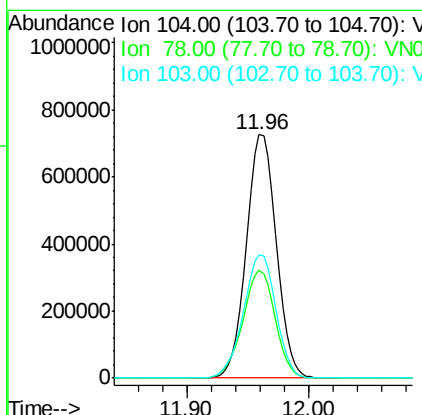
Manual Integrations
APPROVED

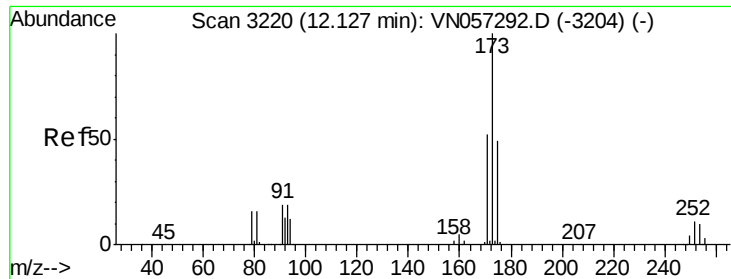
MMDadoda
8/21/2019 9:45:00 AM



#70
Styrene
Concen: 54.843 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion:104 Resp: 1226031
Ion Ratio Lower Upper
104 100
78 47.9 39.2 58.8
103 54.9 44.6 66.8





#71

Bromoform

Concen: 54.058 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 361908

Ion Ratio Lower Upper

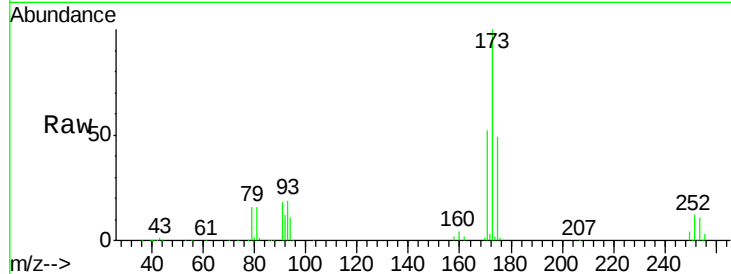
173 100

175 49.0 24.2 72.6

254 0.2 0.2 0.2

Manual Integrations
APPROVED

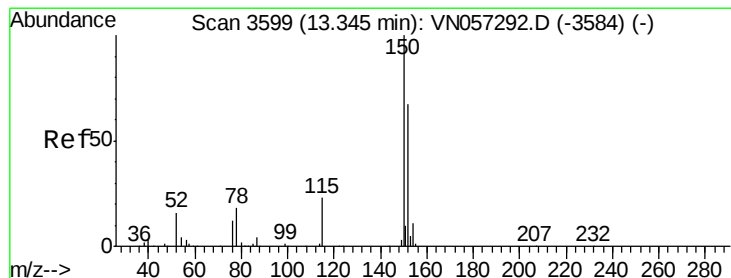
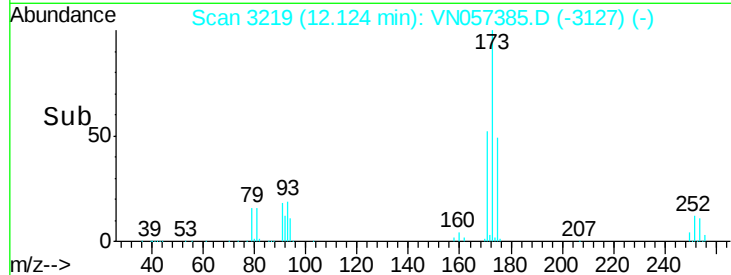
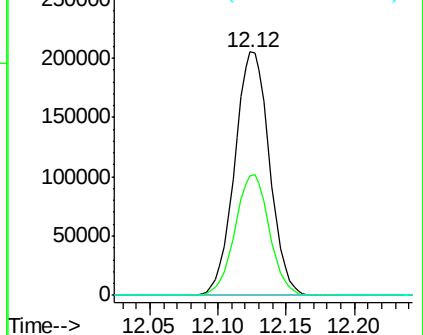
MMDadoda
8/21/2019 9:45:00 AM



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: VN057385.D

Acq: 19 Aug 2019 8:50

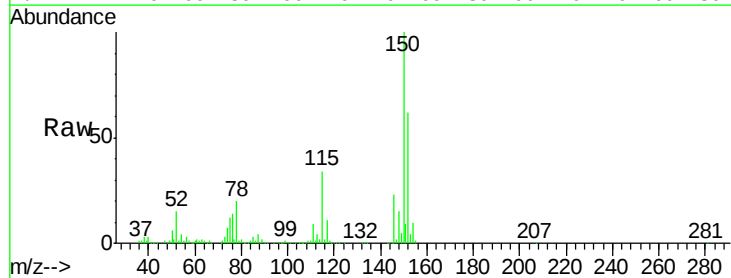
Tgt Ion:152 Resp: 468413

Ion Ratio Lower Upper

152 100

115 55.3 27.3 81.9

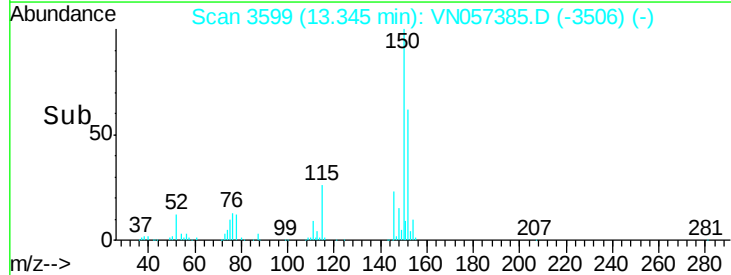
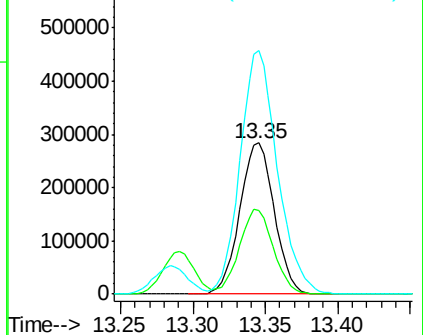
150 174.2 0.0 344.4

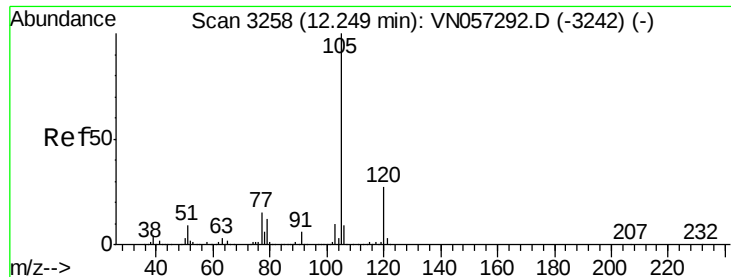


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.041 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 2002762

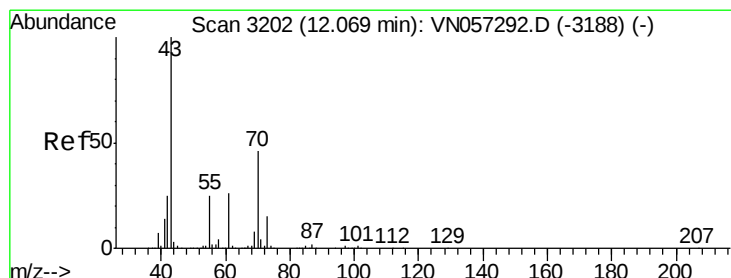
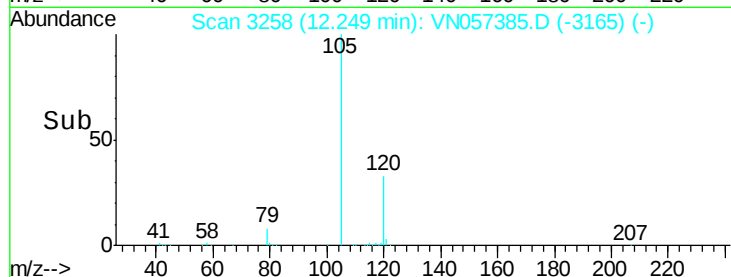
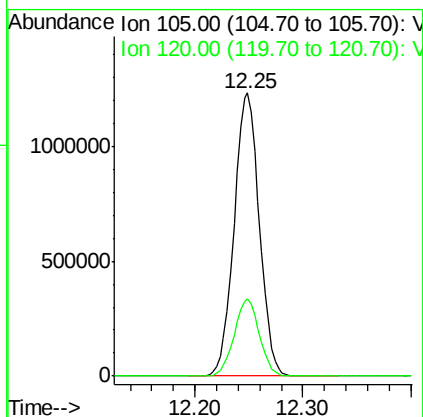
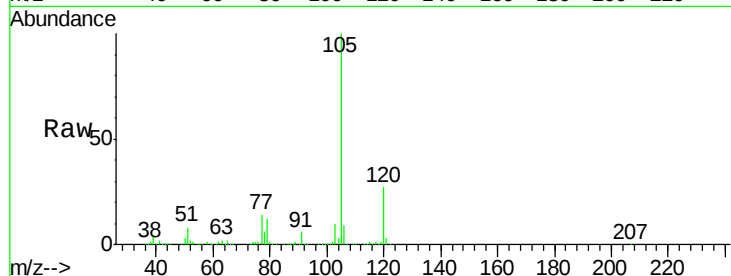
Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 39.899 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion: 43 Resp: 542319

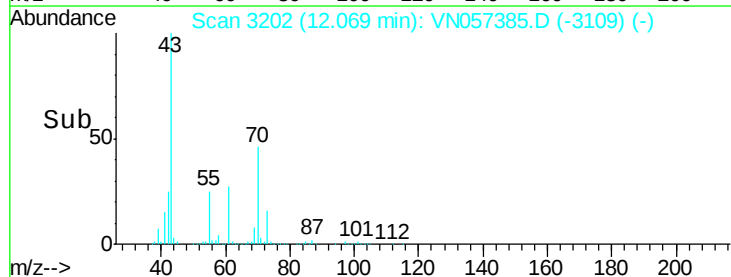
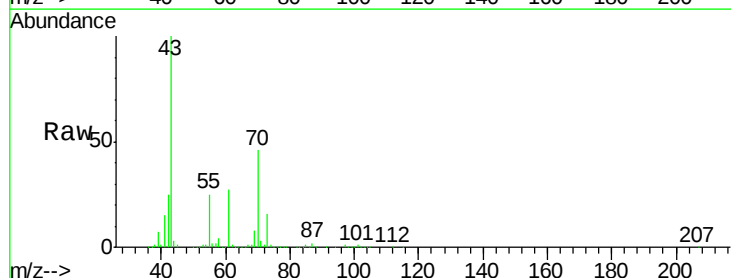
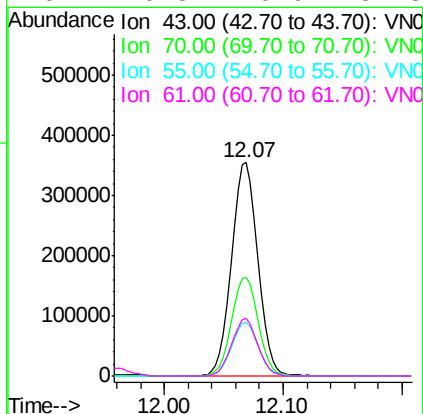
Ion Ratio Lower Upper

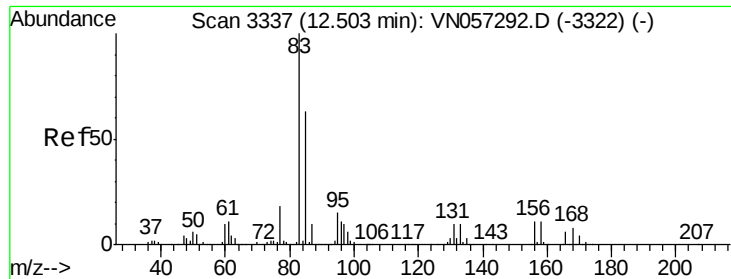
43 100

70 47.0 36.2 54.2

55 25.7 20.1 30.1

61 26.8 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.857 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

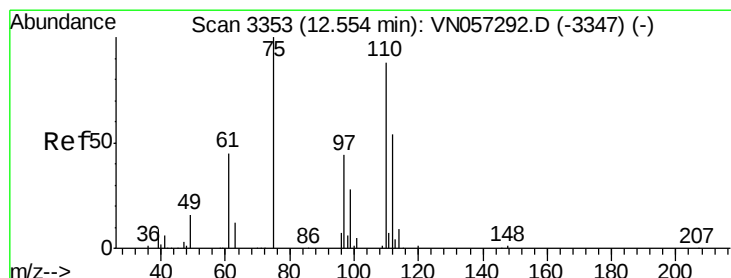
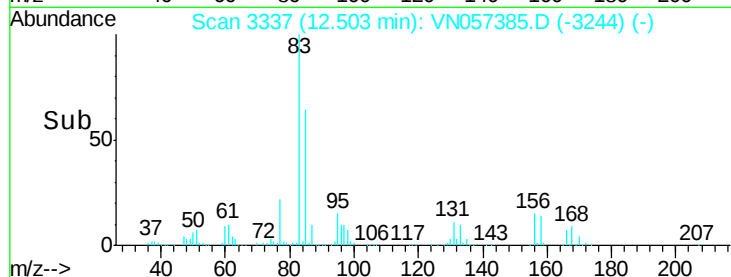
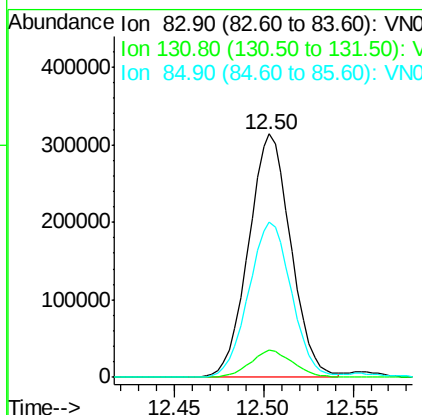
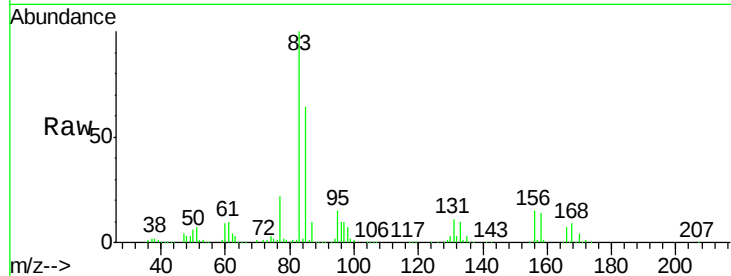
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	519240
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	64.7	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.227 ug/l m

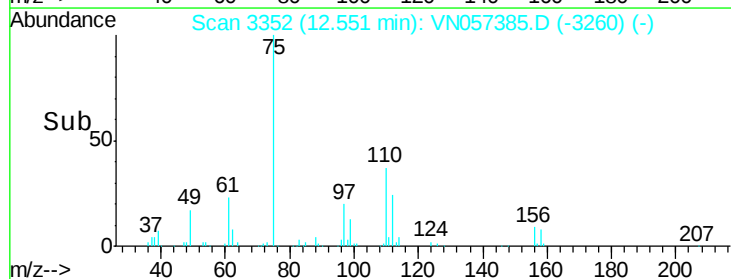
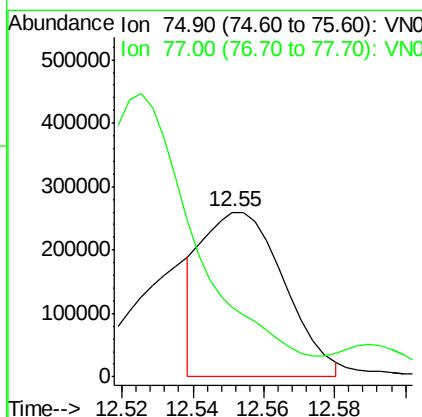
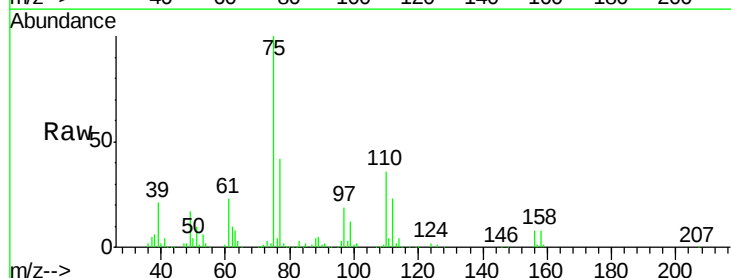
RT: 12.55 min Scan# 3352

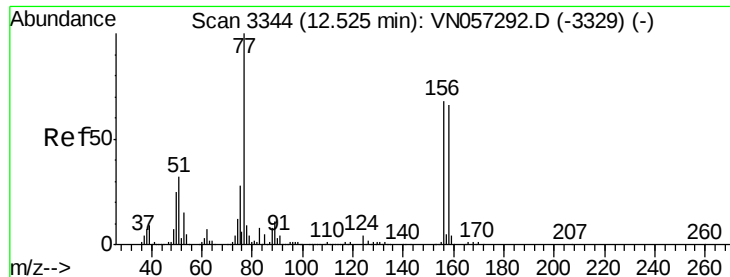
Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion:	75	Resp:	418807
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.025 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

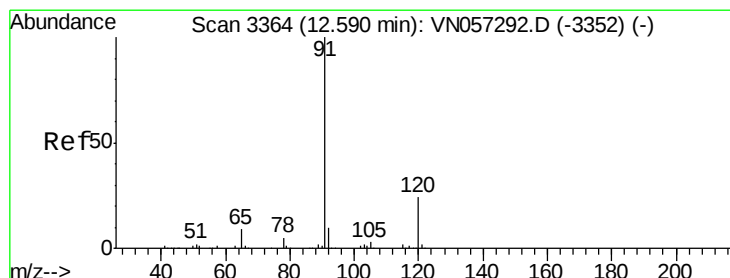
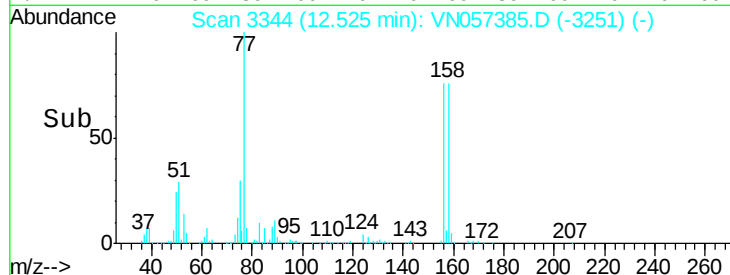
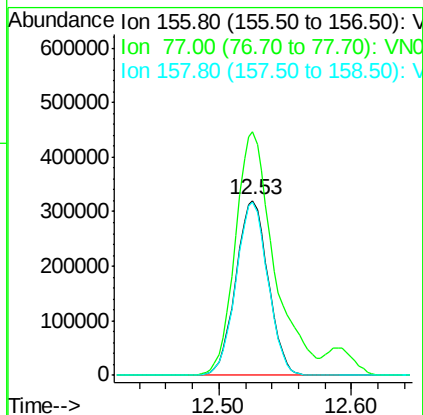
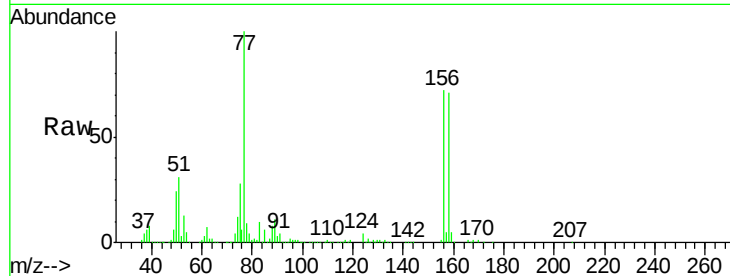
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	540678
Ion Ratio	Lower	Upper	
156	100		
77	167.2	89.8	269.6
158	98.3	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 47.212 ug/l

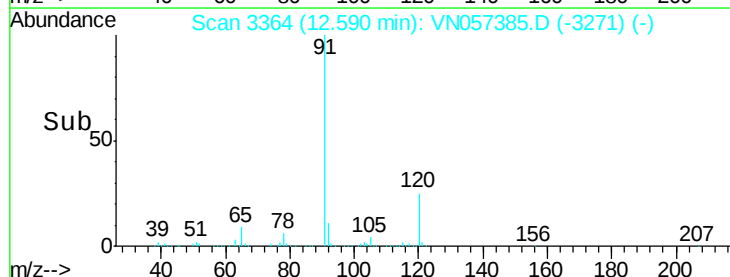
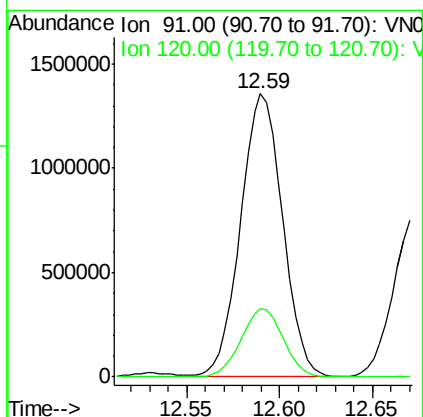
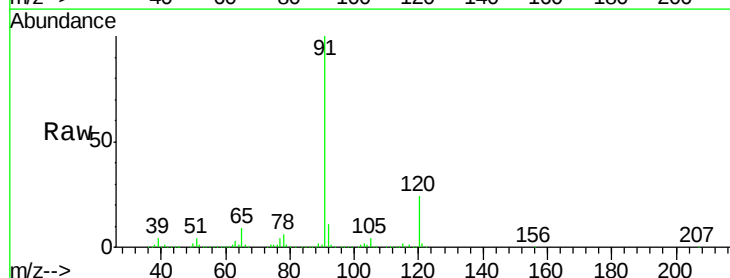
RT: 12.59 min Scan# 3364

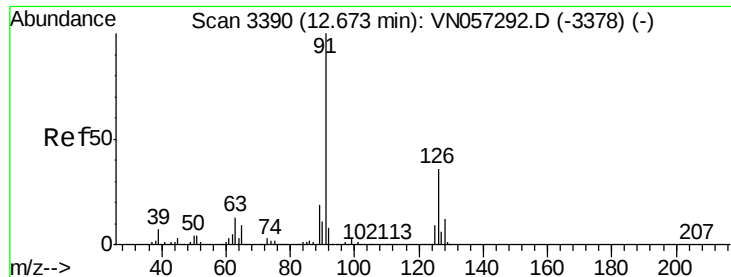
Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion:	91	Resp:	2129578
Ion Ratio	Lower	Upper	
91	100		
120	24.5	11.9	35.7





#79

2-Chlorotoluene

Concen: 53.056 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1304838

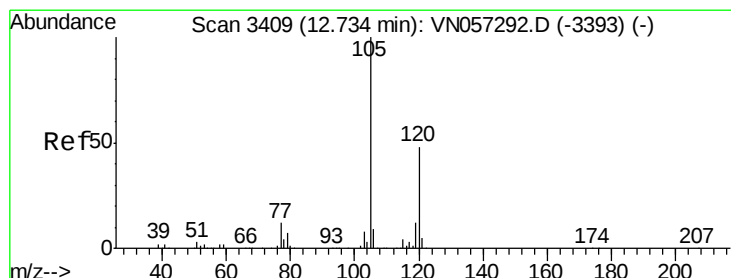
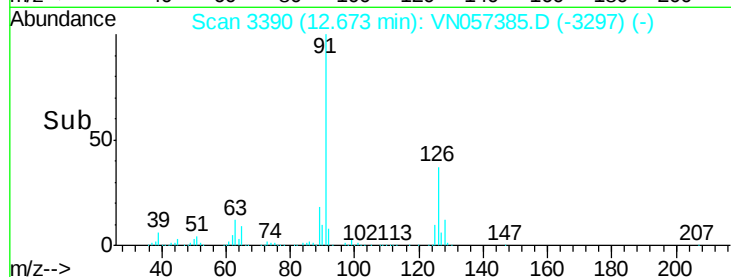
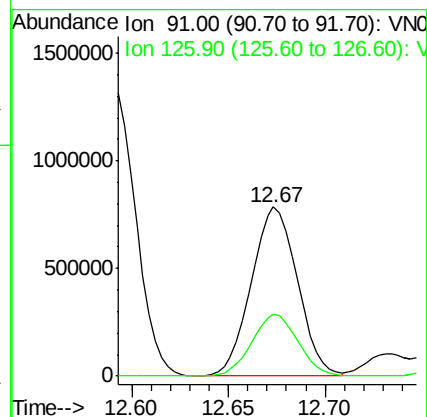
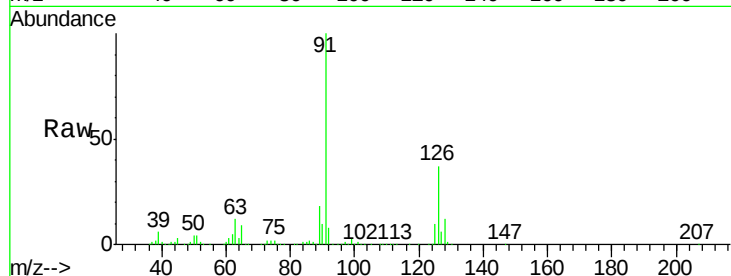
Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 53.895 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057385.D

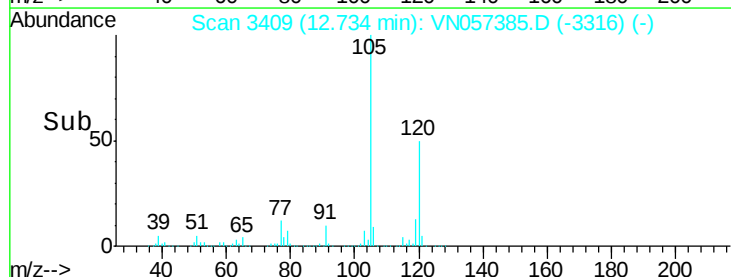
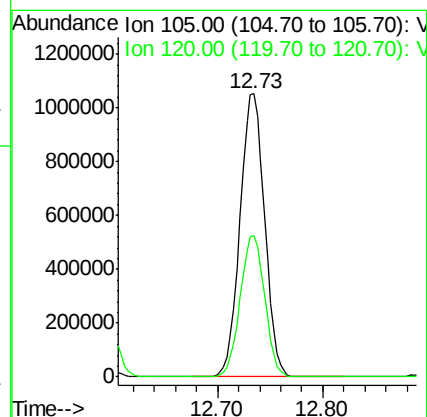
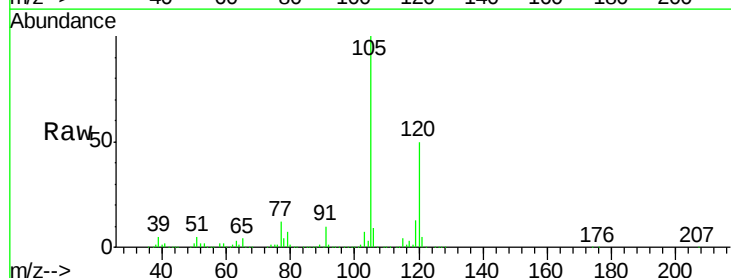
Acq: 19 Aug 2019 8:50

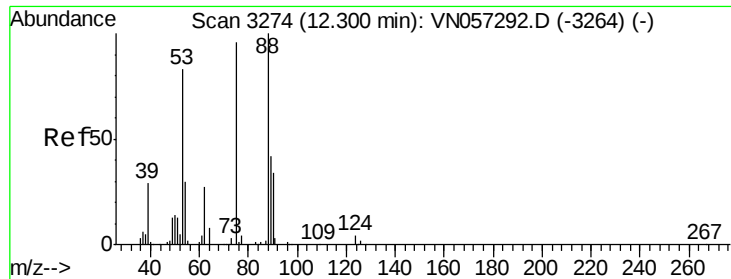
Tgt Ion: 105 Resp: 1695396

Ion Ratio Lower Upper

105 100

120 49.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.978 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

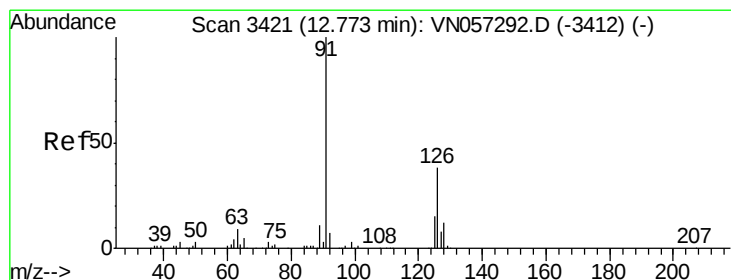
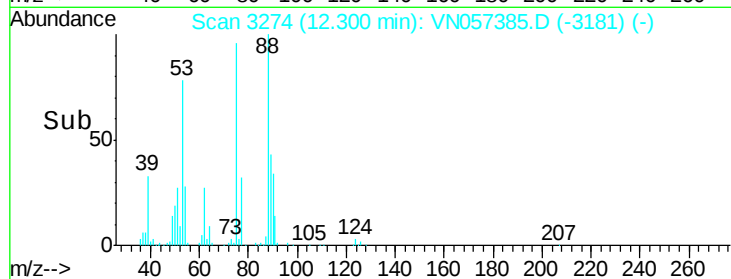
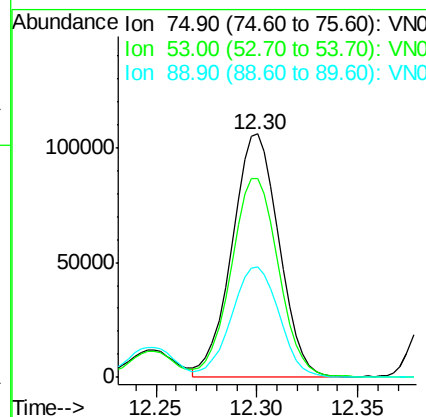
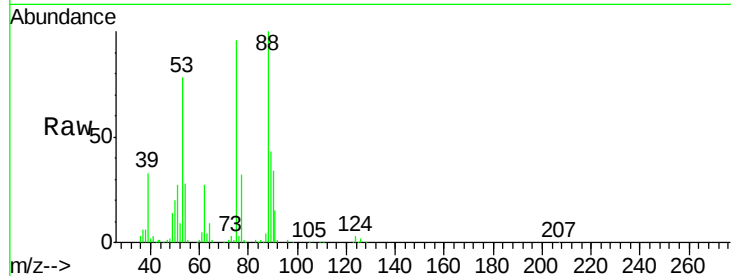
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	172779
Ion	Ratio	Lower	Upper
75	100		
53	82.9	67.9	101.9
89	46.4	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.053 ug/l

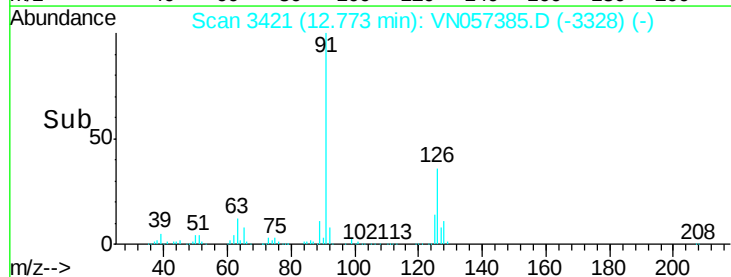
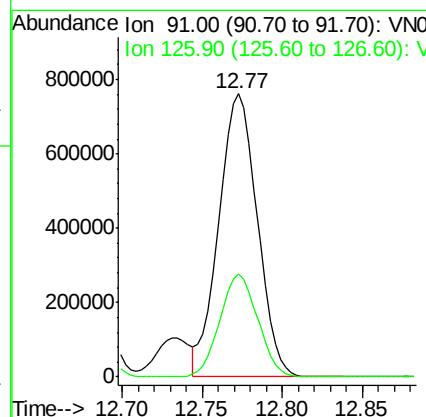
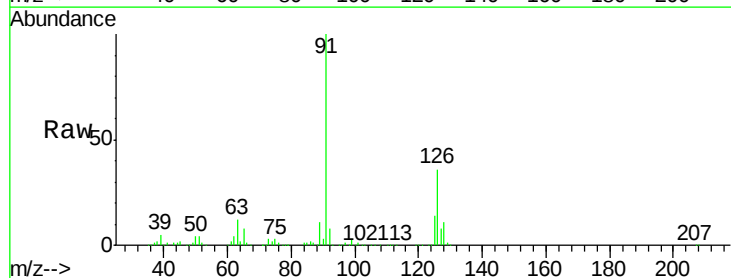
RT: 12.77 min Scan# 3421

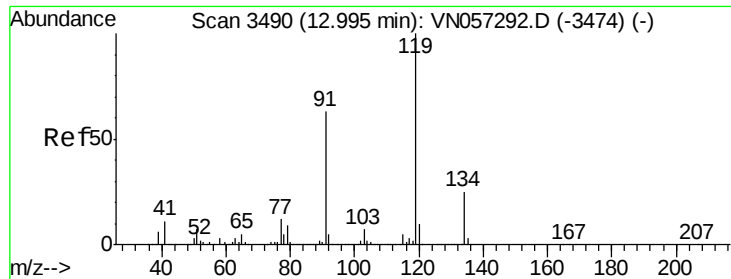
Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Tgt Ion:	91	Resp:	1257699
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.3	51.7





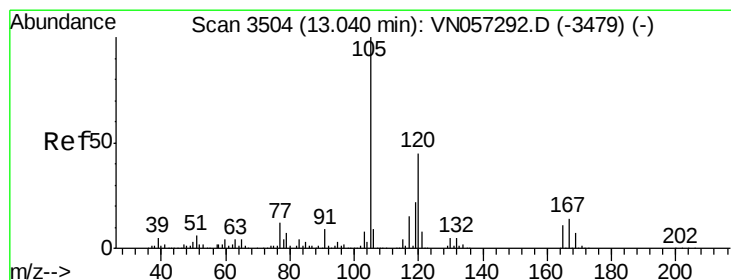
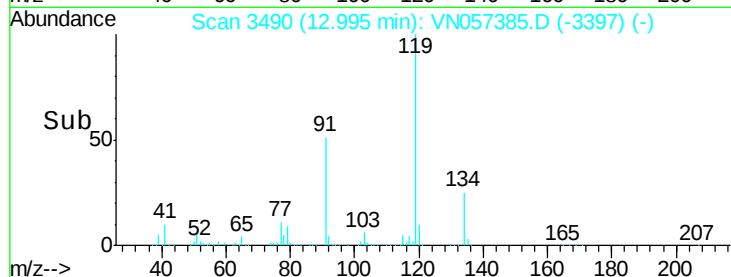
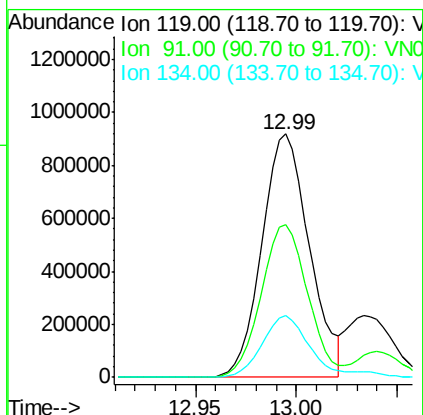
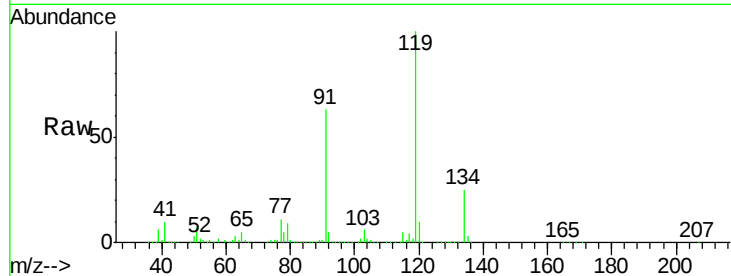
#83
 tert-Butylbenzene
 Concen: 54.628 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	31.3	93.8
134	26.3	13.1	39.1

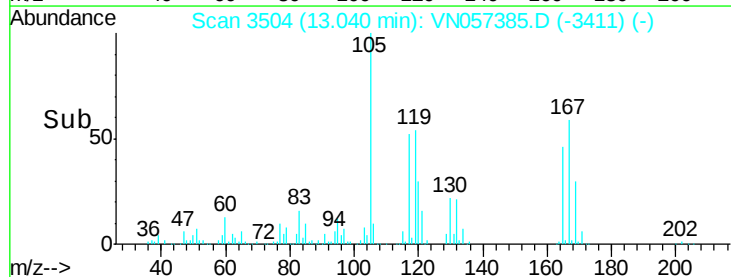
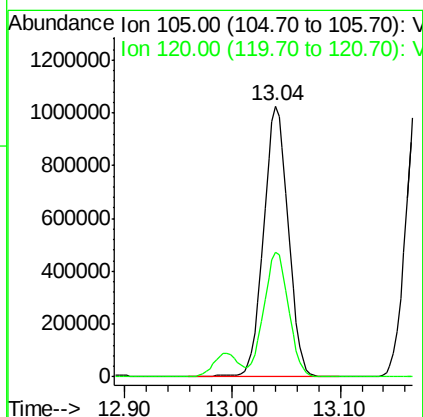
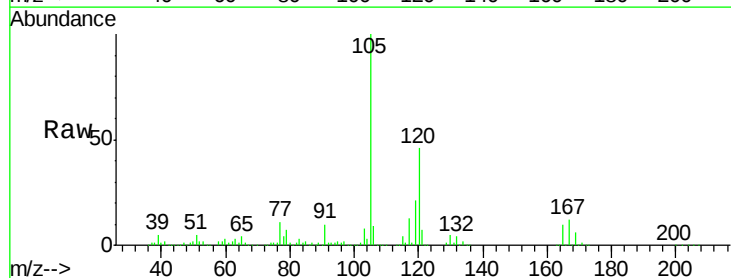
Manual Integrations
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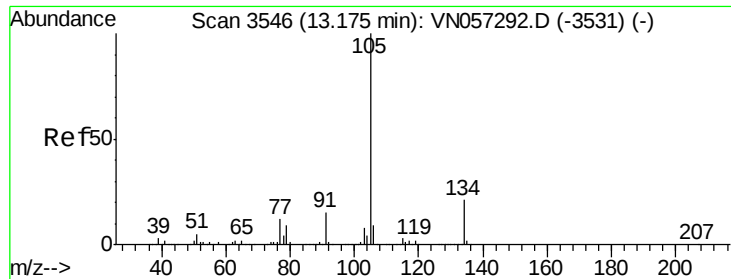
MMDadoda
 8/21/2019 9:45:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.076 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.6	67.7





#85

sec-Butylbenzene

Concen: 53.236 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1883030

Ion Ratio Lower Upper

105 100

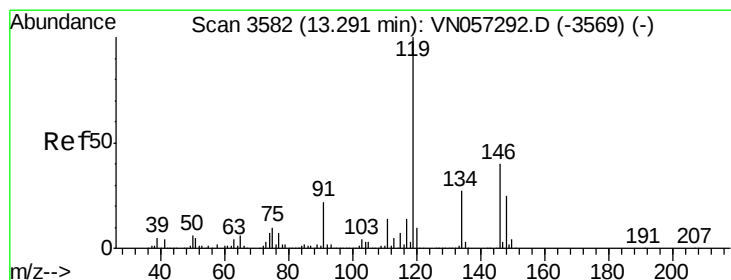
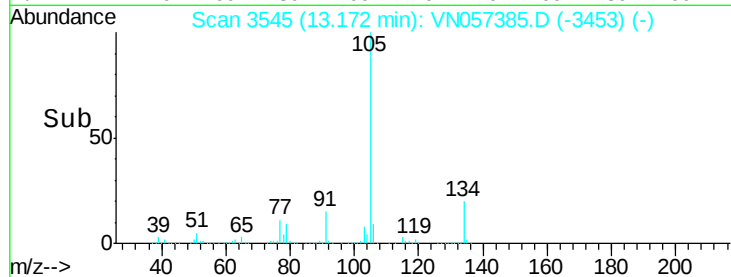
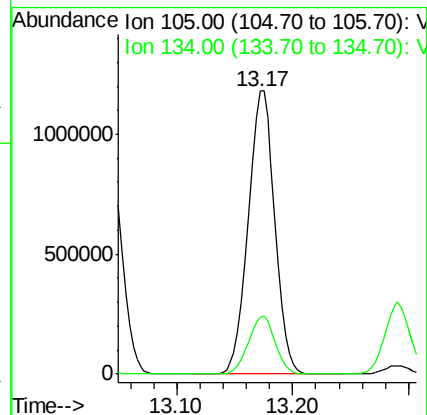
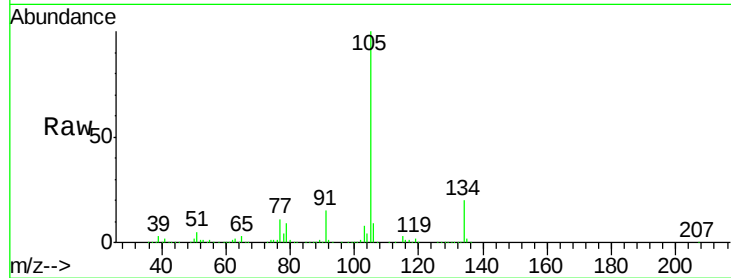
134 20.7 10.4 31.2

Manual Integrations

APPROVED

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8/21/2019 9:45:00 AM



#86

p-Isopropyltoluene

Concen: 48.885 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057385.D

Acq: 19 Aug 2019 8:50

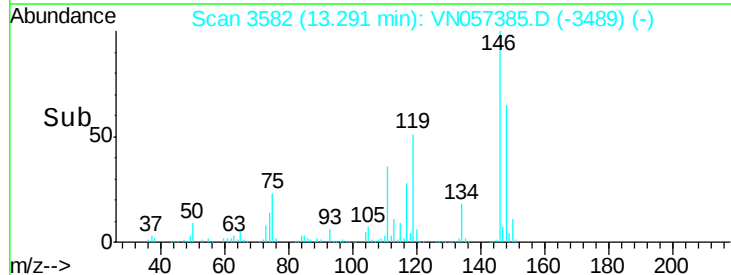
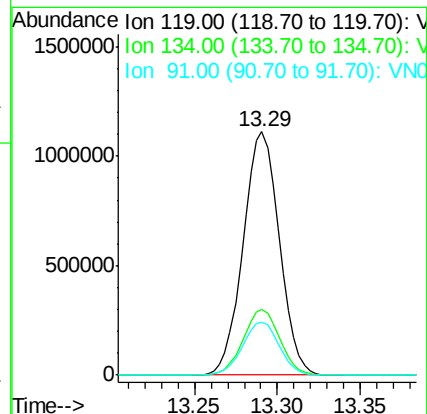
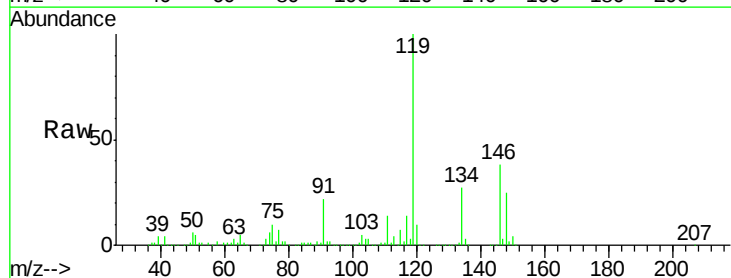
Tgt Ion:119 Resp: 1688576

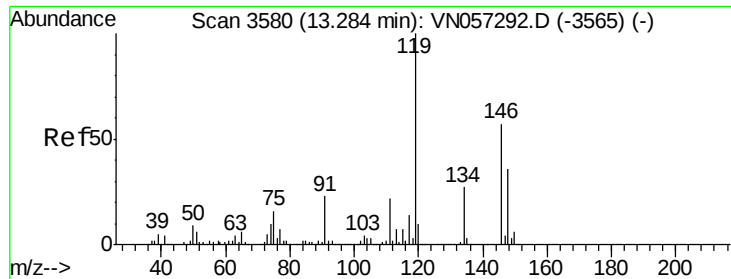
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.1 11.2 33.5





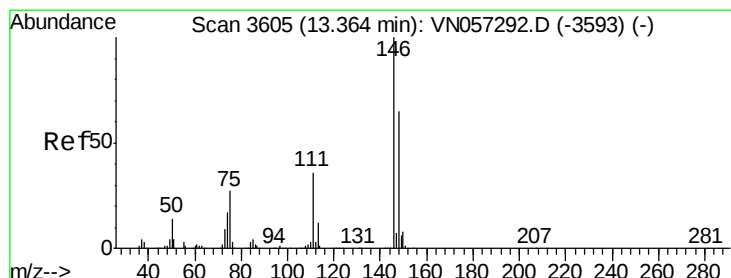
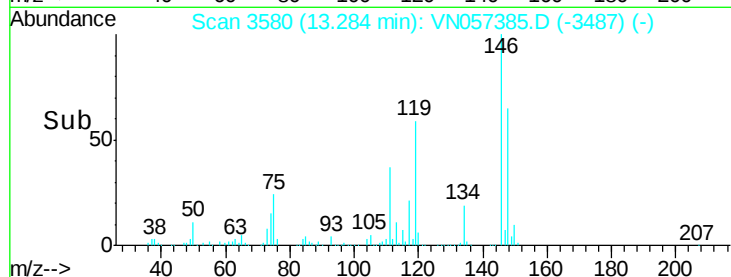
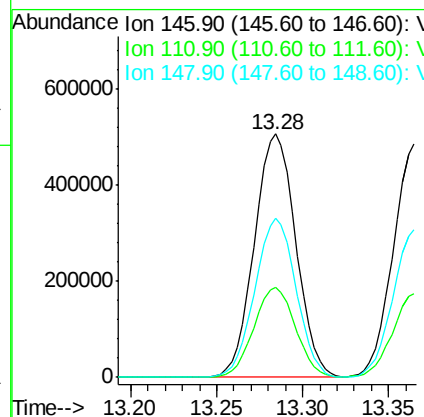
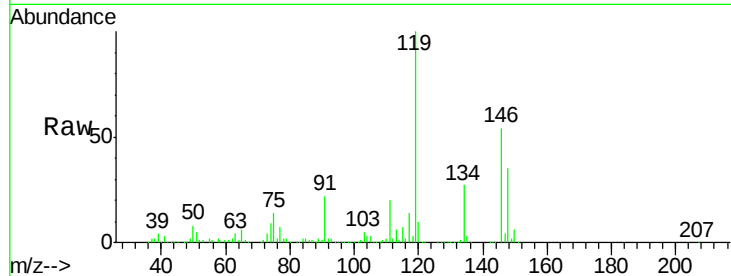
#87
 1,3-Dichlorobenzene
 Concen: 51.582 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	64.9	31.7	95.1

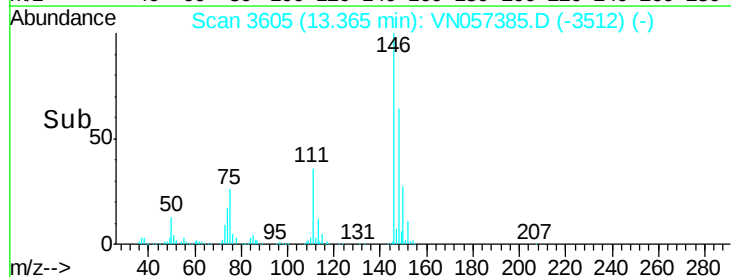
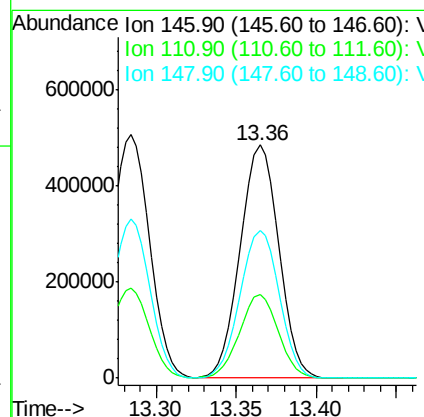
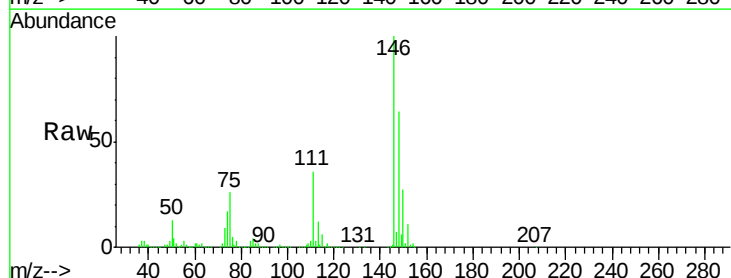
Manual Integrations
 APPROVED

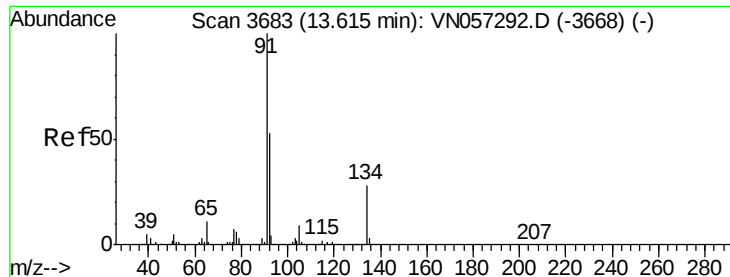
MMDadoda
 8/21/2019 9:45:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.106 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.4	55.4
148	64.4	32.5	97.4





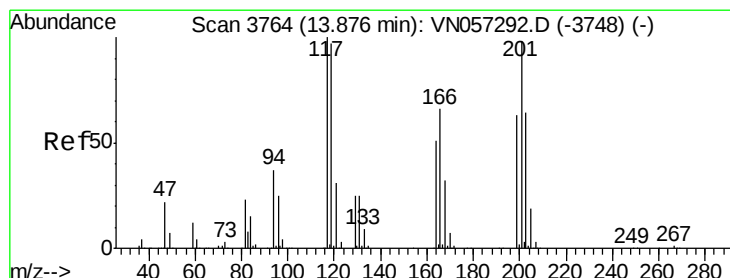
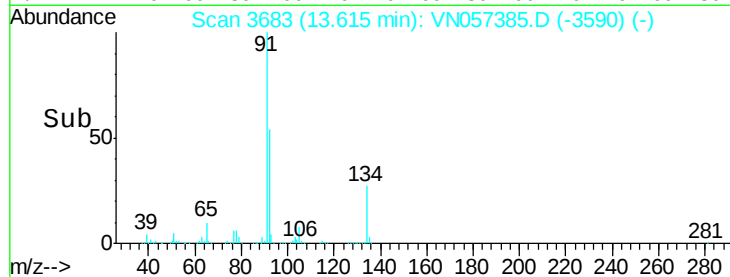
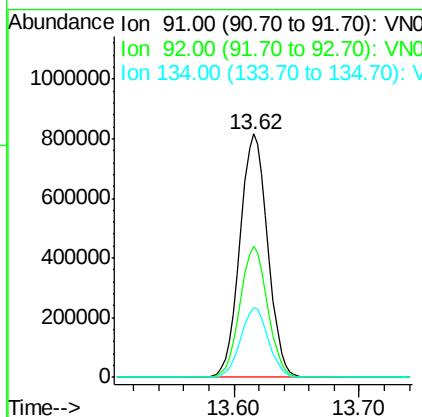
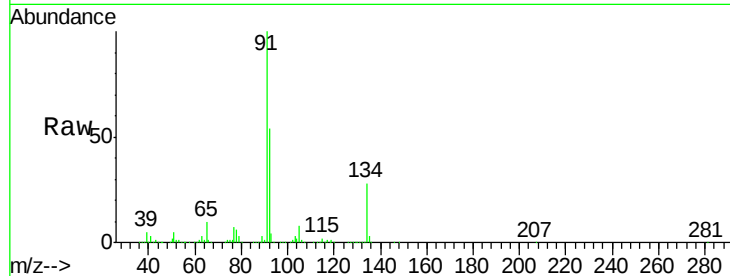
#89
n-Butylbenzene
Concen: 50.912 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.2	78.6
134	28.5	13.9	41.7

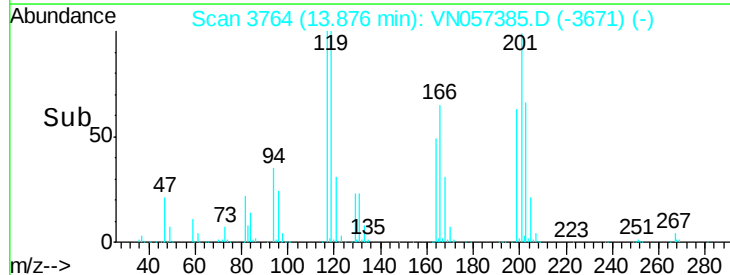
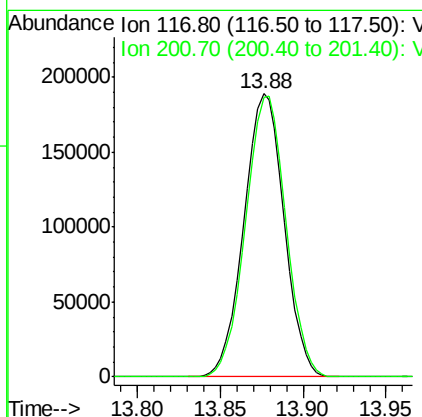
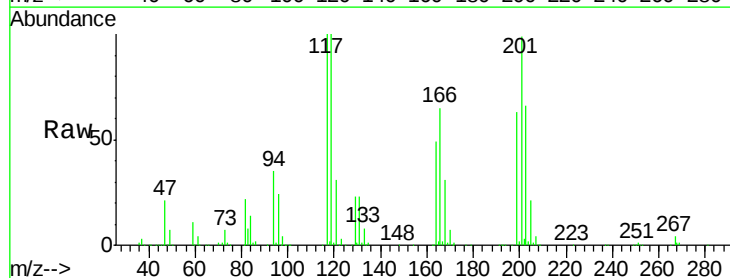
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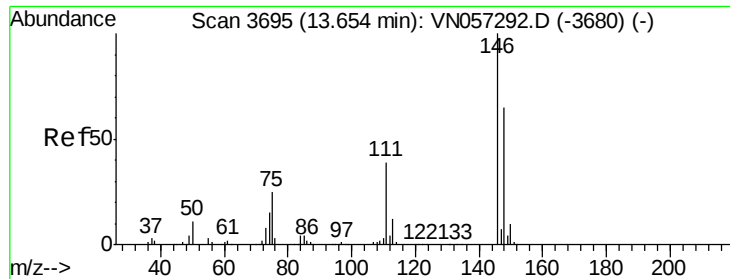
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8/21/2019 9:45:00 AM



#90
Hexachloroethane
Concen: 54.521 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.4	48.4	145.0





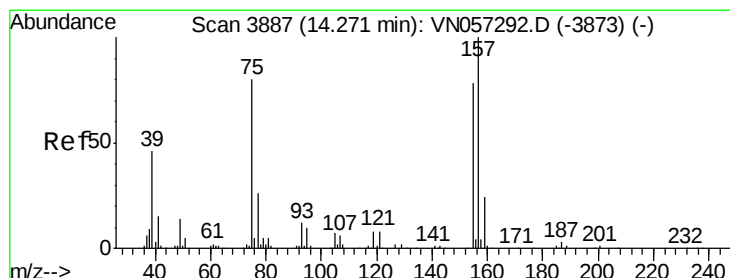
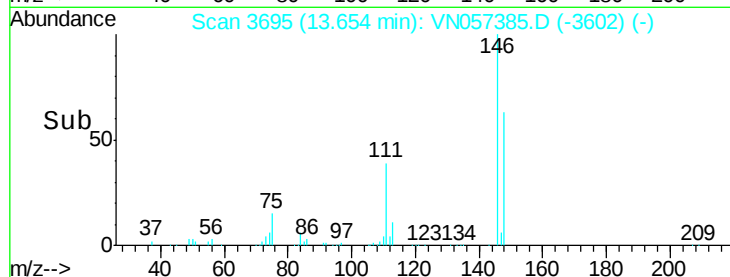
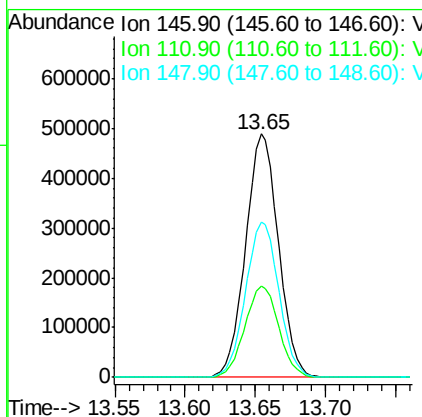
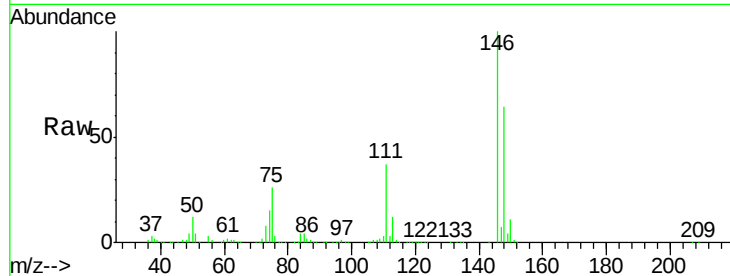
#91
 1,2-Dichlorobenzene
 Concen: 52.257 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.1
148	64.7	32.0	96.0

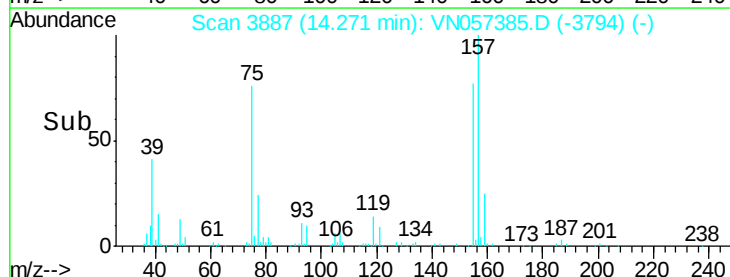
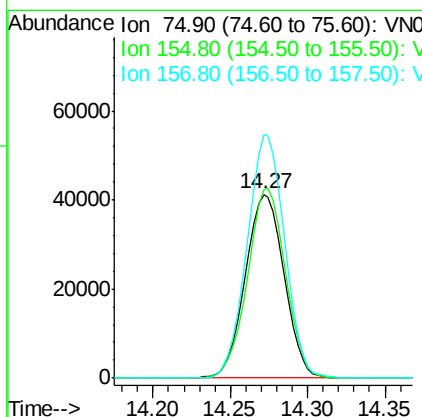
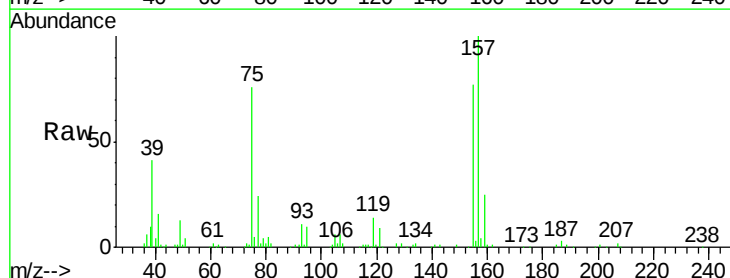
Manual Integrations
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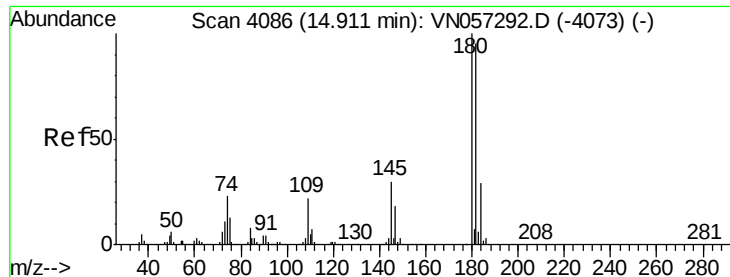
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 8/21/2019 9:45:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.171 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	49.6	148.8
157	128.2	63.7	191.1





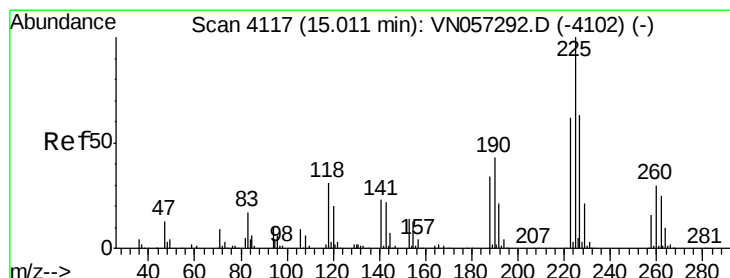
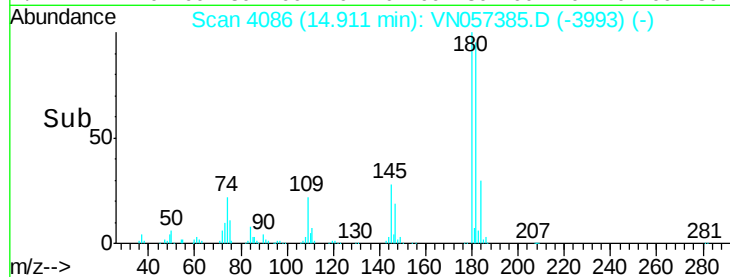
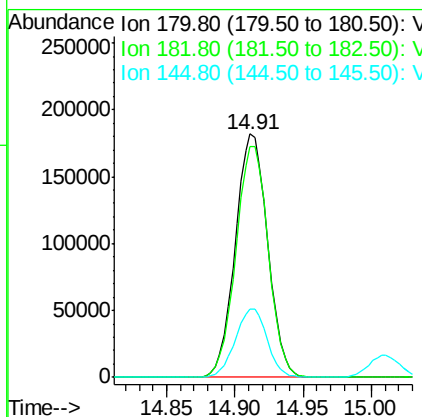
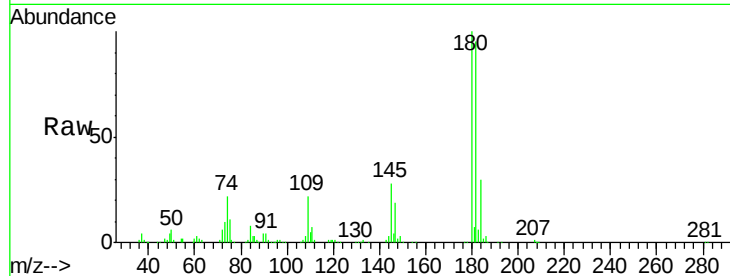
#93
 1,2,4-Trichlorobenzene
 Concen: 48.962 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	298793		
182	95.0	48.0	144.2	
145	27.7	14.5	43.6	

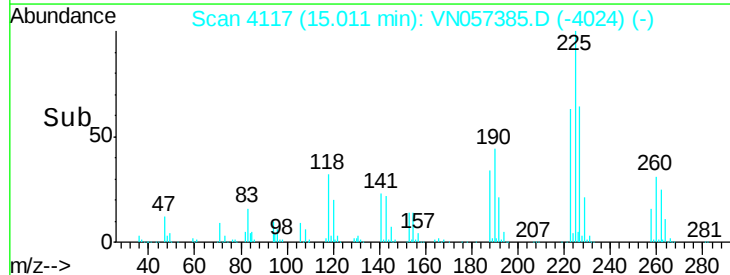
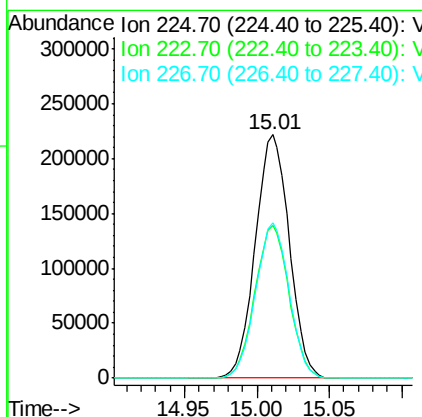
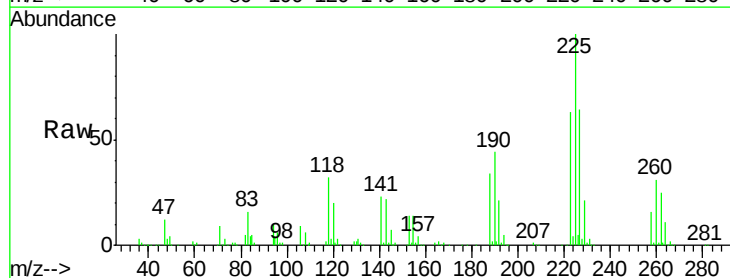
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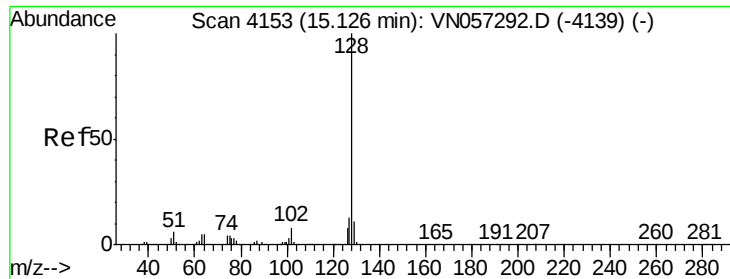
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 8/21/2019 9:45:00 AM



#94
 Hexachlorobutadiene
 Concen: 62.970 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057385.D
 Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	362480		
223	62.8	30.7	92.1	
227	62.9	30.9	92.7	





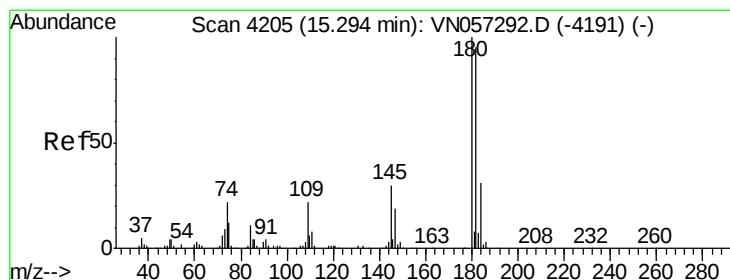
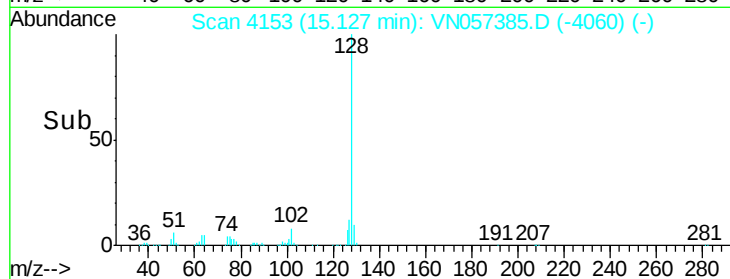
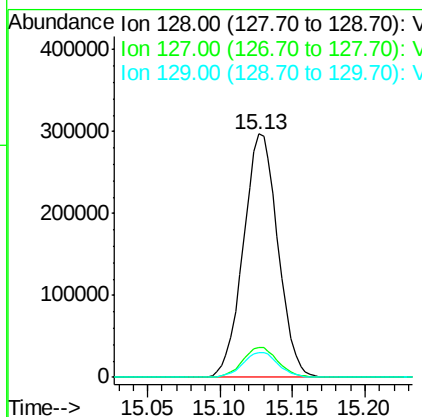
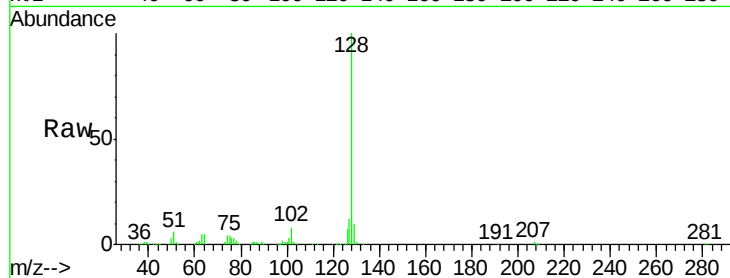
#95
Naphthalene
Concen: 51.877 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	492140		
127	12.5	10.5	15.7	
129	10.4	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.559 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057385.D
Acq: 19 Aug 2019 8:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	254110		
182	95.4	47.9	143.6	
145	29.4	15.1	45.3	

