

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050667.D
 Acq On : 15 Aug 2018 20:35
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:43 PM

Quant Time: Aug 16 04:32:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	120941	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	632973	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	548430	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	242296	29.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.23%
60) 4-Bromofluorobenzene	12.40	95	249888	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	807229	30.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	131242	15.75	ug/l	97
3) Chloromethane	2.06	50	169160	19.69	ug/l	99
4) Vinyl Chloride	2.18	62	177014	19.35	ug/l	97
5) Bromomethane	2.56	94	98493	17.66	ug/l	100
6) Chloroethane	2.70	64	108540	20.06	ug/l	97
7) Trichlorofluoromethane	3.01	101	236823	19.81	ug/l	99
8) Diethyl Ether	3.41	74	80956	20.19	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144286	19.84	ug/l	100
10) 1,1-Dichloroethene	3.73	96	126364	19.60	ug/l	96
11) Methyl Iodide	3.95	142	82220	8.67	ug/l	99
12) Methyl Acetate	4.33	43	128998	17.46	ug/l	99
13) Acrolein	3.61	56	13217	28.95	ug/l	98
14) Acrylonitrile	5.00	53	249086	101.06	ug/l	99
15) Acetone	3.82	58	79306	121.07	ug/l	84
16) Carbon Disulfide	4.05	76	397167	20.13	ug/l	98
17) Allyl chloride	4.32	41	195654	19.21	ug/l	98
18) Methylene Chloride	4.55	84	155559	20.91	ug/l	96
19) trans-1,2-Dichloroethene	5.04	96	141409	20.48	ug/l	98
20) Diisopropyl ether	5.96	45	452097	21.65	ug/l	96
21) 1,1-Dichloroethane	5.85	63	271433	20.67	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	157679	20.60	ug/l	99
23) tert-Butyl Alcohol	4.80	59	51171	92.91	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	355647	20.22	ug/l	99
25) Chloroform	7.37	83	278133	20.93	ug/l	100
26) Cyclohexane	7.66	56	216152	20.72	ug/l #	97
29) 1,1-Dichloropropene	7.80	75	202679	20.63	ug/l	99
30) 2-Butanone	6.84	43	357661	116.03	ug/l	98
31) 2,2-Dichloropropane	6.83	77	178528	16.44	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	234652	20.29	ug/l	100
33) Carbon Tetrachloride	7.78	117	207717	20.15	ug/l	100
34) Benzene	8.04	78	629588	21.10	ug/l	99
35) Methacrylonitrile	7.18	41	64056	18.25	ug/l	99
36) 1,2-Dichloroethane	8.13	62	200586	20.48	ug/l	100
37) Trichloroethene	8.84	130	159726	20.41	ug/l	100
38) Methylcyclohexane	9.09	83	200373	19.35	ug/l	100
39) 1,2-Dichloropropane	9.12	63	167275	21.28	ug/l	98
40) Dibromomethane	9.21	93	99789	20.54	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	206744	20.18	ug/l	97
42) Vinyl Acetate	5.90	43	1480947	102.10	ug/l	100
43) Ethyl Acetate	6.94	43	129075	20.05	ug/l	93
44) Isopropyl Acetate	8.17	43	244897	20.54	ug/l	96
45) 1,4-Dioxane	9.20	88	31224	397.94	ug/l	96
46) Methyl methacrylate	9.20	41	105685	18.28	ug/l	99
47) n-amyl Acetate	12.07	43	175692	18.94	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	190665	19.52	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	225302	19.63	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	144642	20.75	ug/l	98
51) Ethyl methacrylate	10.43	69	164923	19.49	ug/l	99
52) 1,3-Dichloropropane	10.71	76	237381	20.73	ug/l	98
53) Dibromochloromethane	10.90	129	157587	19.92	ug/l	99
54) 1,2-Dibromoethane	11.01	107	135964	19.91	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	392331	102.44	ug/l	100
56) Bromoform	12.13	173	108421	19.41	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	829257	129.95	ug/l	99
59) 2-Hexanone	10.75	43	528908	121.49	ug/l	100
61) Tetrachloroethene	10.63	164	150573	20.27	ug/l	97
62) Toluene	10.16	91	663998	21.22	ug/l	100
64) Chlorobenzene	11.44	112	396918	20.92	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	154447	20.87	ug/l	98
66) Ethyl Benzene	11.51	91	649661	20.32	ug/l	99
67) m/p-Xylenes	11.62	106	516054	41.94	ug/l	99
68) o-Xylene	11.95	106	240025	20.50	ug/l	99
69) Styrene	11.97	104	392229	20.90	ug/l	99
70) Isopropylbenzene	12.25	105	641296	20.57	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	179823	21.00	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	145467m	19.89	ug/l	
73) Bromobenzene	12.53	156	167563	20.17	ug/l	99
74) n-propylbenzene	12.59	91	722870	19.90	ug/l	99
75) 2-Chlorotoluene	12.68	91	445361	20.42	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	528661	20.64	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	39036	16.33	ug/l	97
78) 4-Chlorotoluene	12.77	91	437017	20.22	ug/l	99
79) tert-butylbenzene	12.99	119	442265	20.20	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	534711	20.61	ug/l	100
81) sec-Butylbenzene	13.17	105	586742	19.73	ug/l	99
82) p-Isopropyltoluene	13.29	119	493889	19.46	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	284799	19.69	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	267173	19.55	ug/l	99
85) n-Butylbenzene	13.62	91	367933	17.86	ug/l	99
86) Hexachloroethane	13.88	117	95650	18.86	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	280907	19.87	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25144	18.85	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	117497	17.40	ug/l	99
90) Hexachlorobutadiene	15.01	225	83000	18.64	ug/l	99
91) Naphthalene	15.14	128	235231	18.75	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	121560	17.70	ug/l	99

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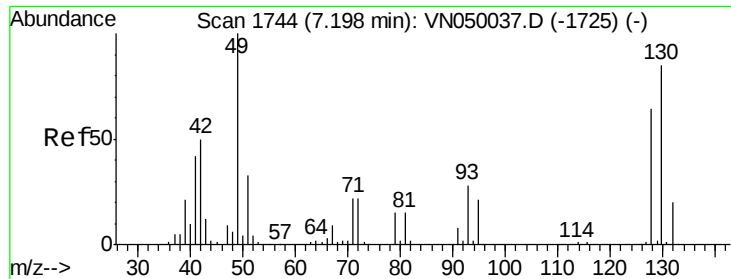
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

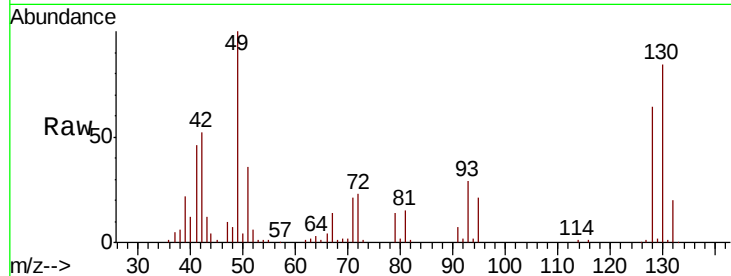
ClientSampleId :

VSTDCCC020

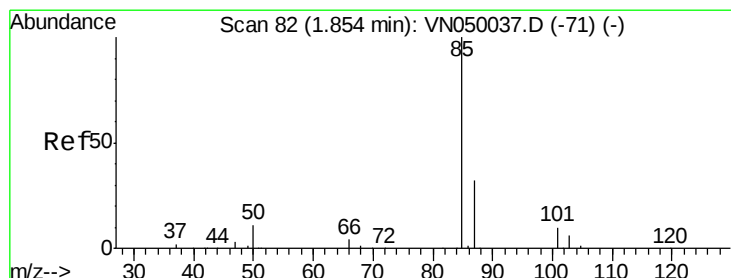
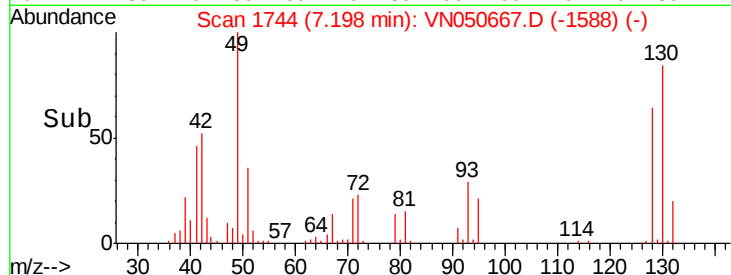
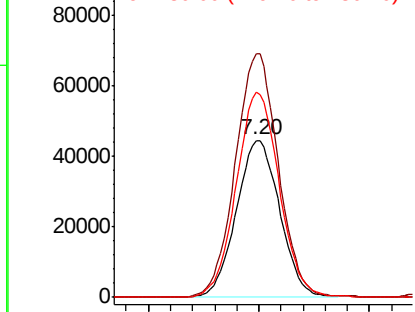
Tot Ion:	128	Resp:	120941
Ion	Ratio	Lower	Upper
128	100		
49	153.9	0.0	378.3
130	129.5	0.0	320.7

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.75 ug/l

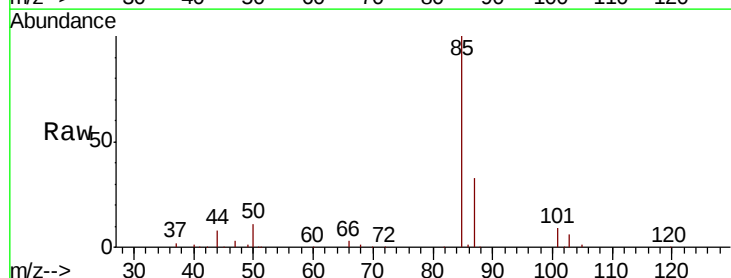
RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

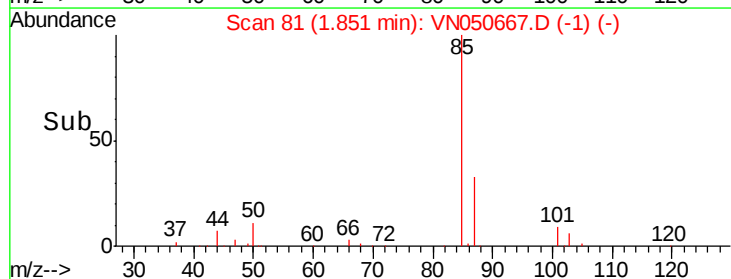
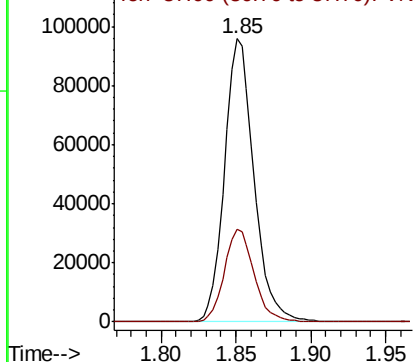
Lab File: VN050667.D

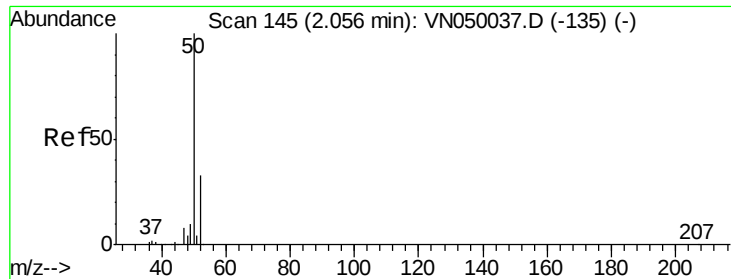
Acq: 15 Aug 2018 20:35

Tgt Ion:	85	Resp:	131242
Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.4	46.4



Abundance Ion 85.00 (84.70 to 85.70): V
Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 19.69 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 169160

Ion Ratio Lower Upper

50 100

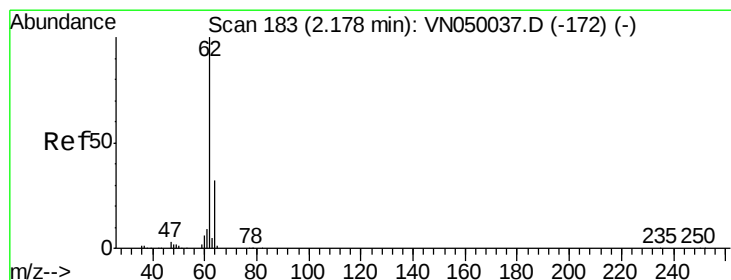
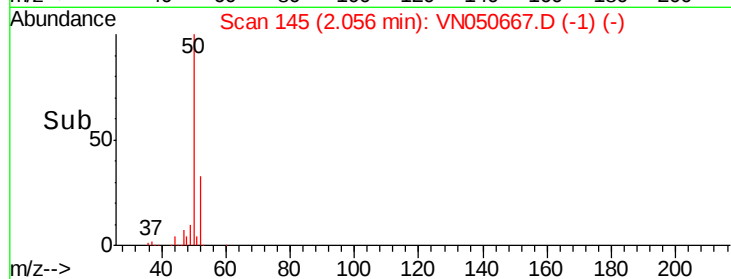
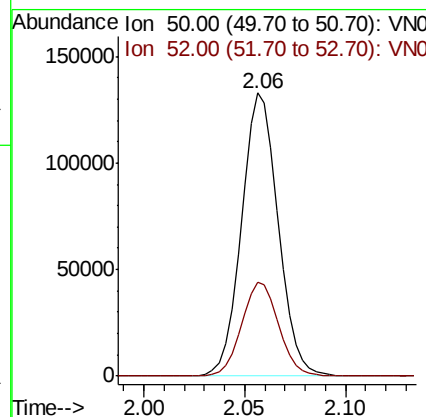
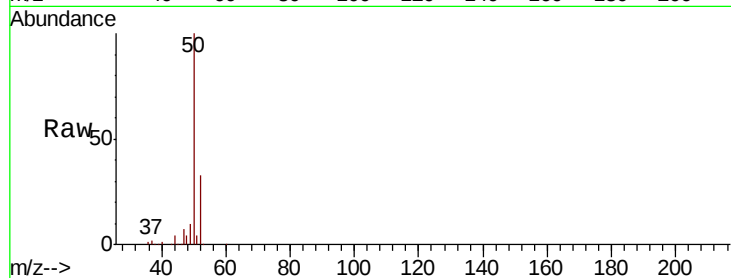
52 33.1 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.35 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050667.D

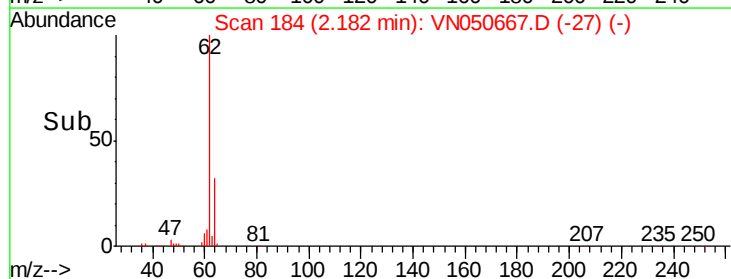
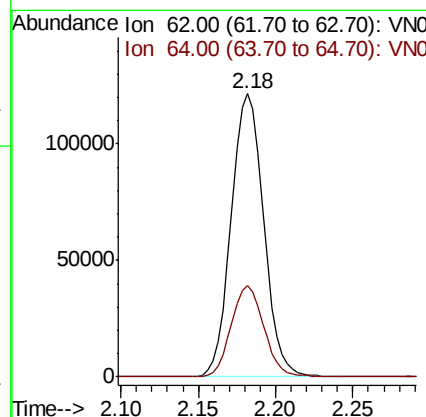
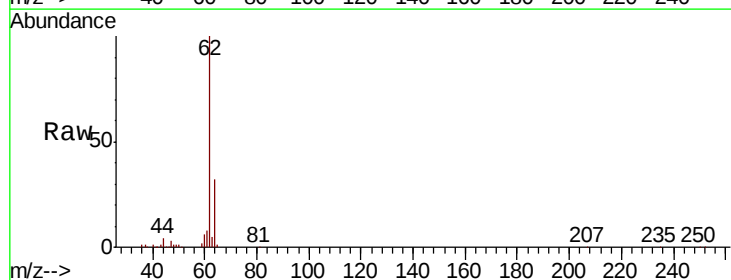
Acq: 15 Aug 2018 20:35

Tgt Ion: 62 Resp: 177014

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 17.66 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 98493

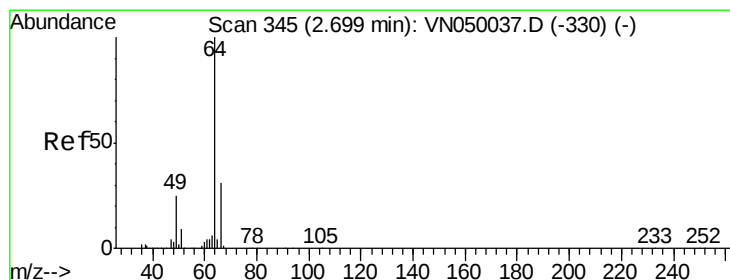
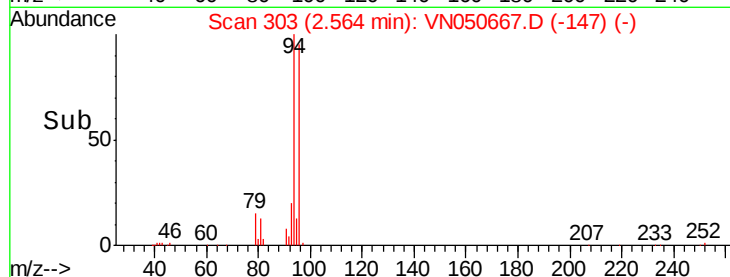
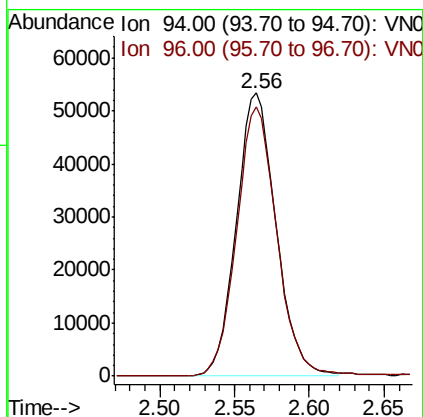
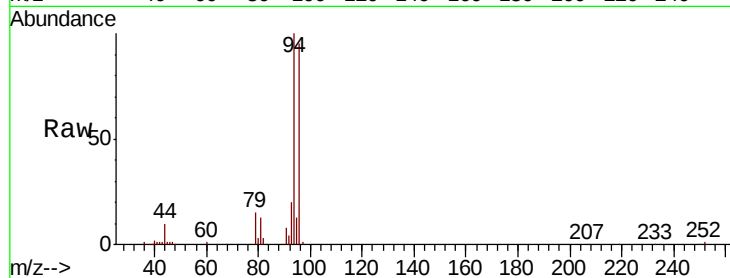
Ion Ratio Lower Upper

94 100

96 94.9 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 20.06 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050667.D

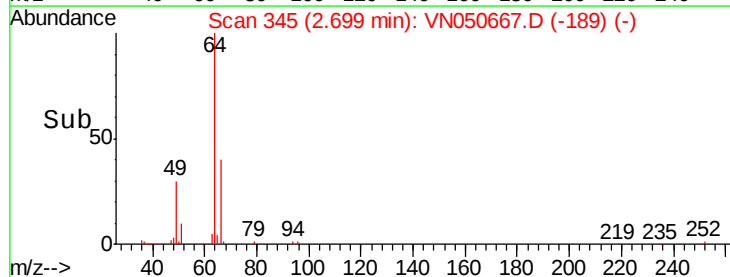
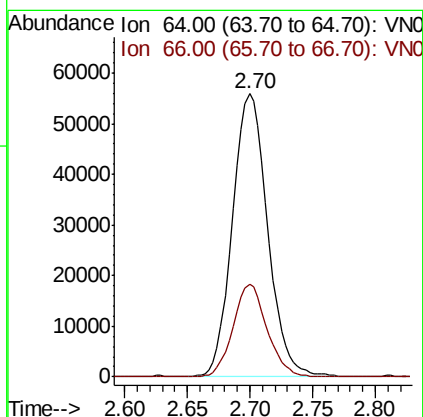
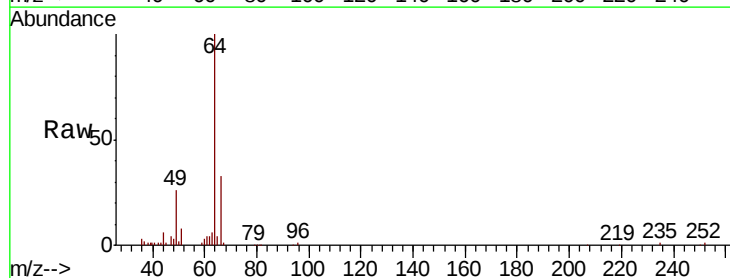
Acq: 15 Aug 2018 20:35

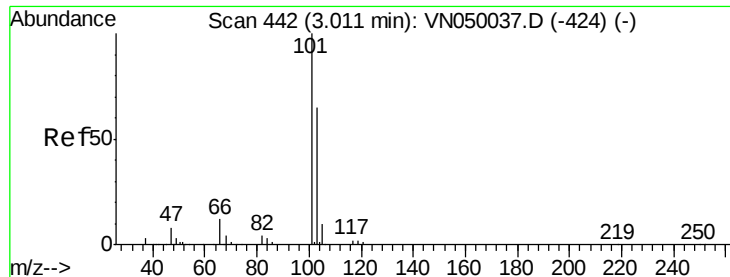
Tgt Ion: 64 Resp: 108540

Ion Ratio Lower Upper

64 100

66 33.0 25.0 37.4





#7

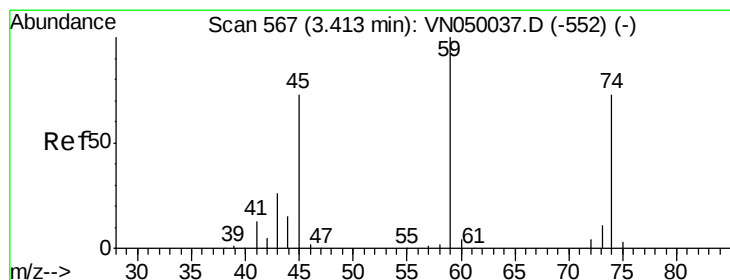
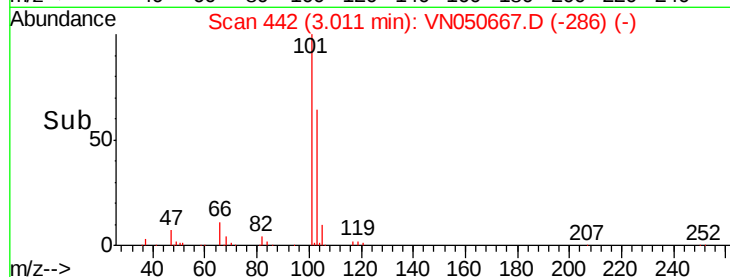
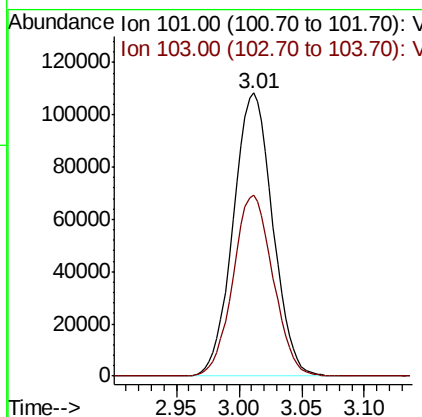
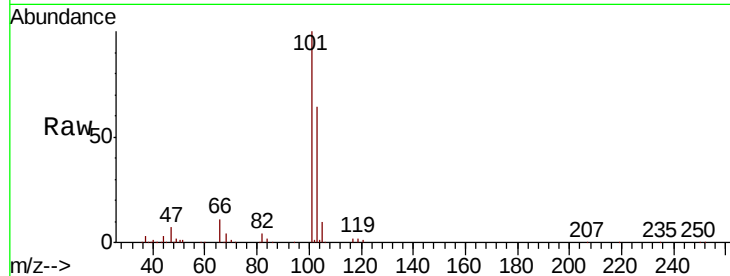
Trichlorofluoromethane
 Concen: 19.81 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050667.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.5	77.3

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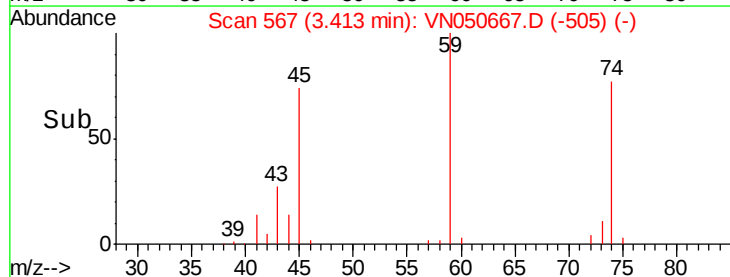
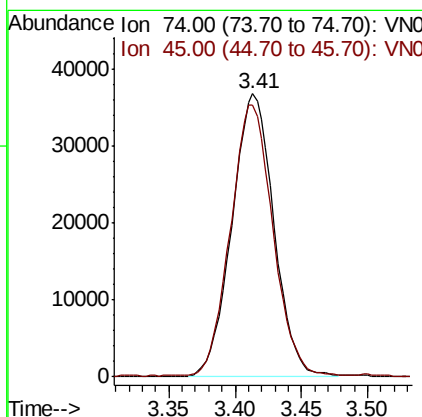
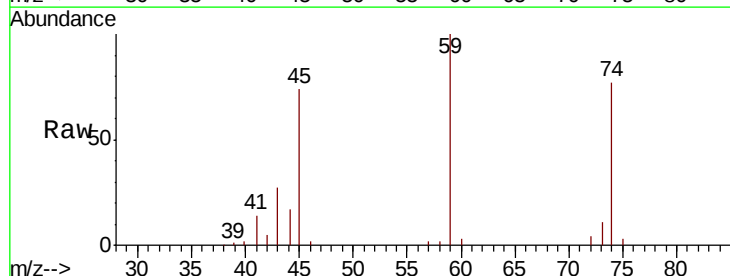
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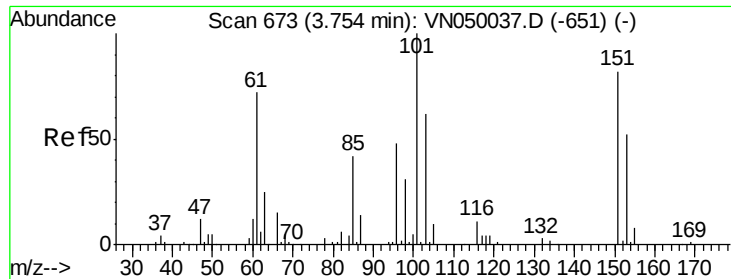


#8

Diethyl Ether
 Concen: 20.19 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.84 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

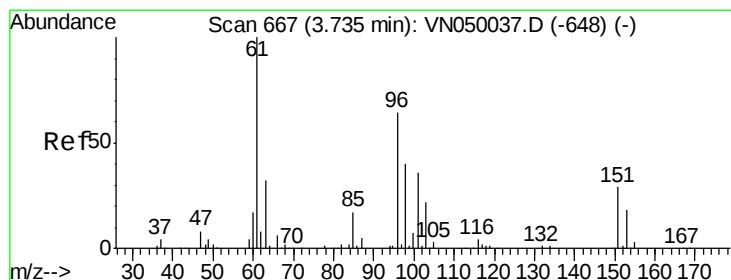
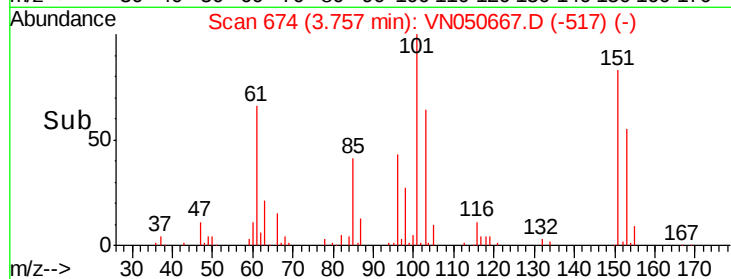
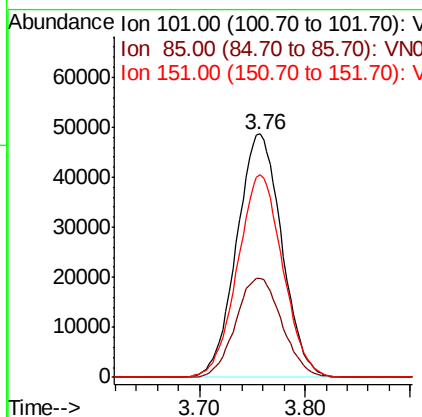
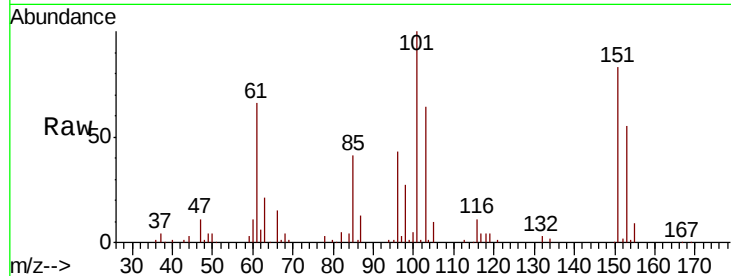
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	144286
Ion Ratio	Lower	Upper	
101	100		
85	41.8	0.0	83.0
151	83.9	0.0	166.8

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#10

1,1-Dichloroethene

Concen: 19.60 ug/l

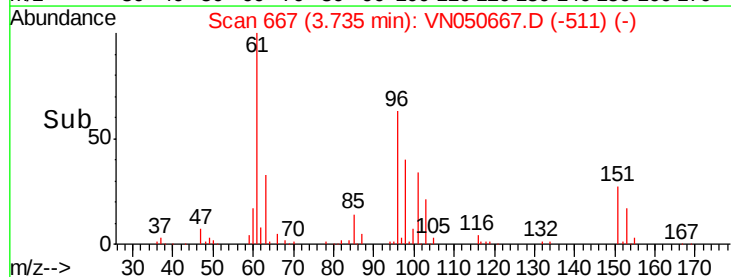
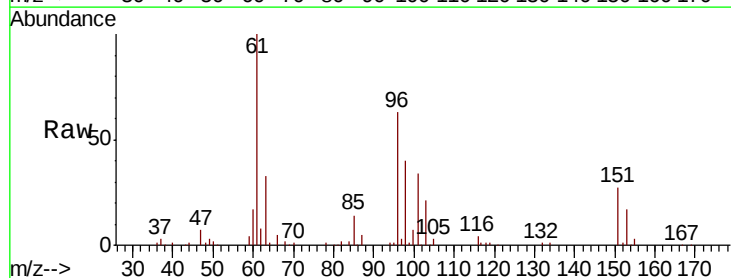
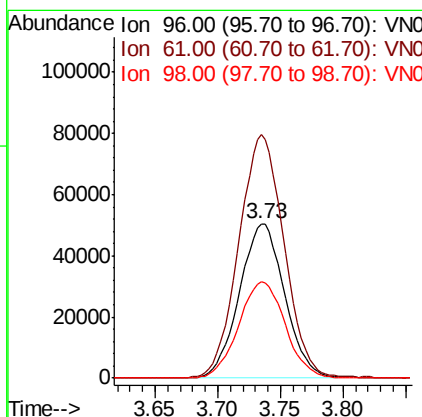
RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Tgt Ion:	96	Resp:	126364
Ion Ratio	Lower	Upper	
96	100		
61	157.7	130.6	195.8
98	62.8	53.5	80.3





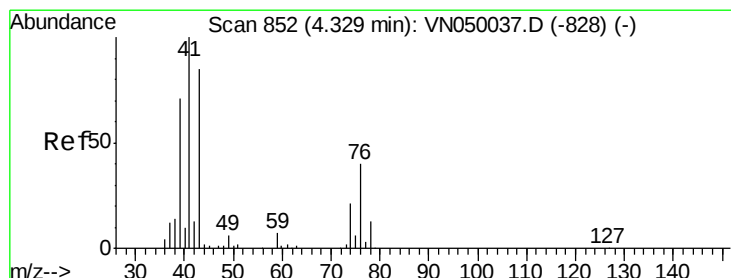
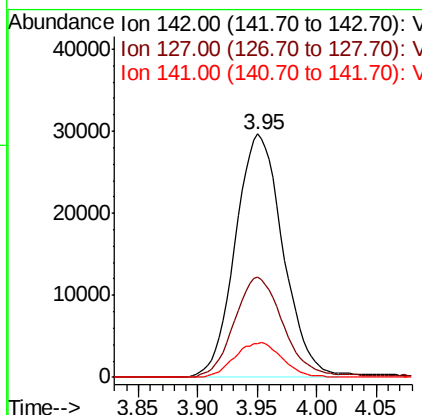
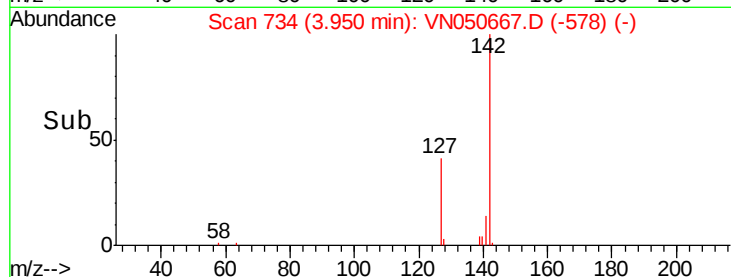
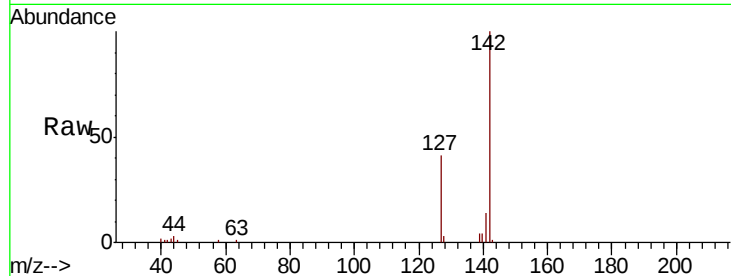
#11
Methyl Iodide
Concen: 8.67 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.1	20.2	60.5
141	14.1	6.9	20.6

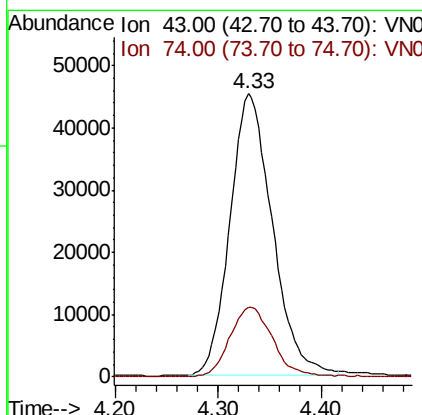
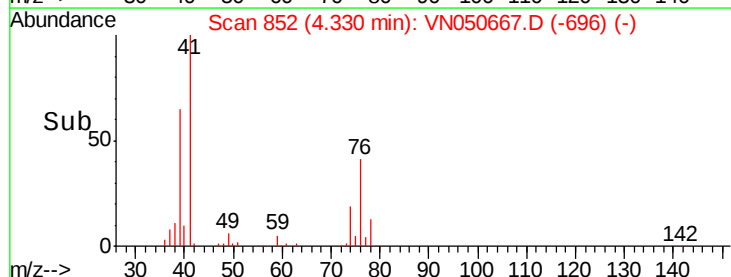
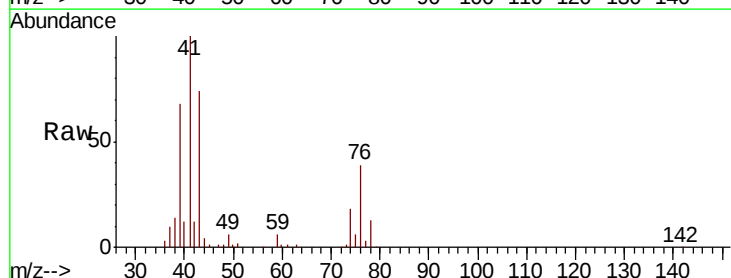
Manual Integrations
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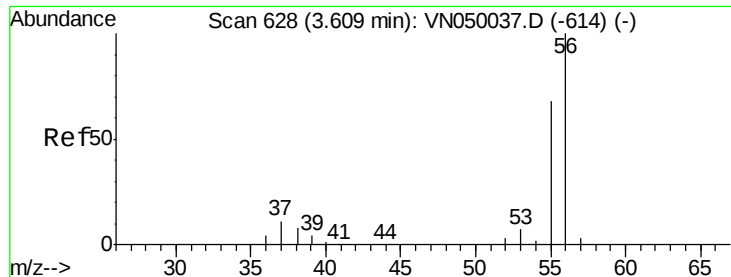
MMDadoda
8/16/2018 1:18:43 PM



#12
Methyl Acetate
Concen: 17.46 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.3	28.9





#13

Acrolein

Concen: 28.95 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 13217

Ion Ratio Lower Upper

56 100

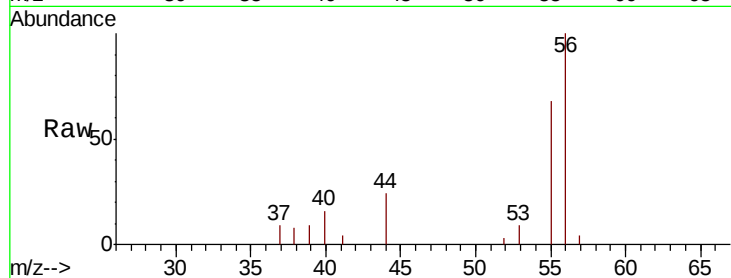
55 71.4 58.6 88.0

Manual Integrations

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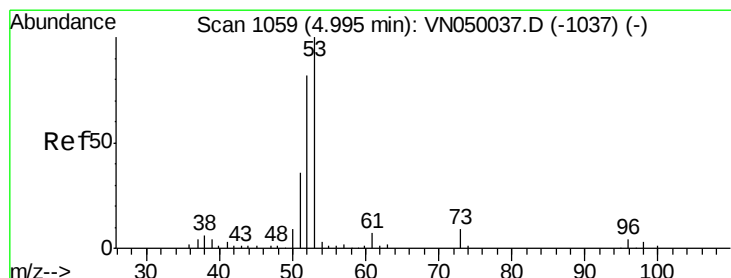
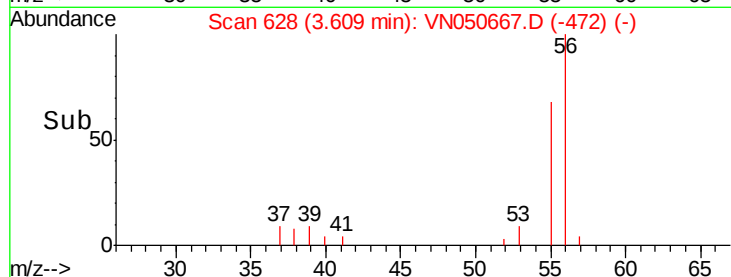
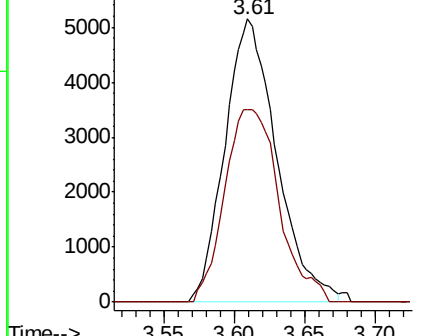
MMDadoda

8/16/2018 1:18:43 PM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Acrylonitrile

Concen: 101.06 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

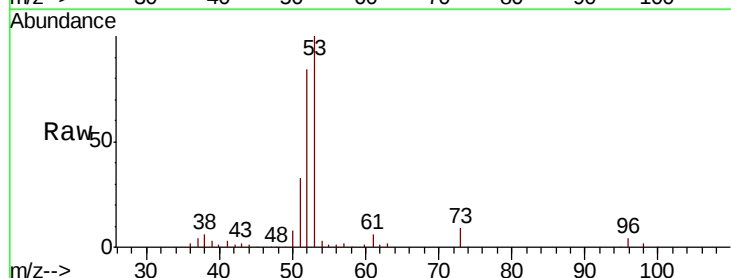
Tgt Ion: 53 Resp: 249086

Ion Ratio Lower Upper

53 100

52 82.6 41.5 124.5

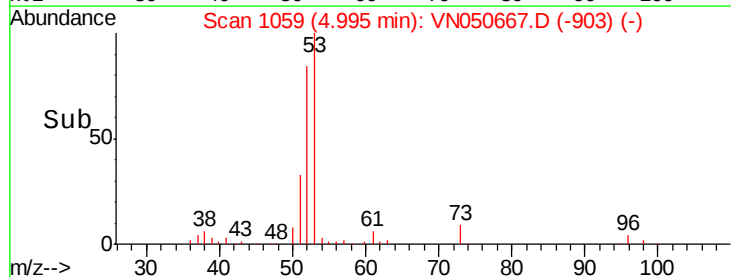
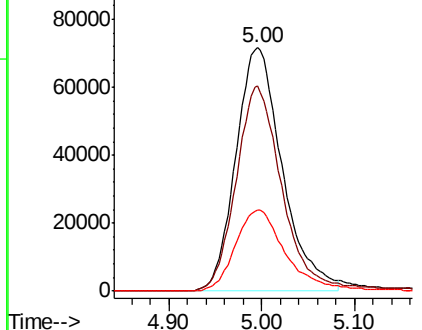
51 35.8 18.7 56.1

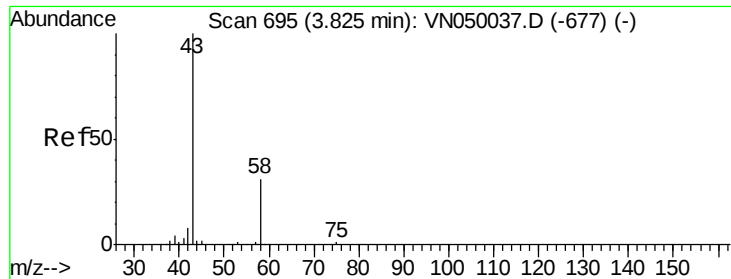


Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





#15

Acetone

Concen: 121.07 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 79306

Ion Ratio Lower Upper

58 100

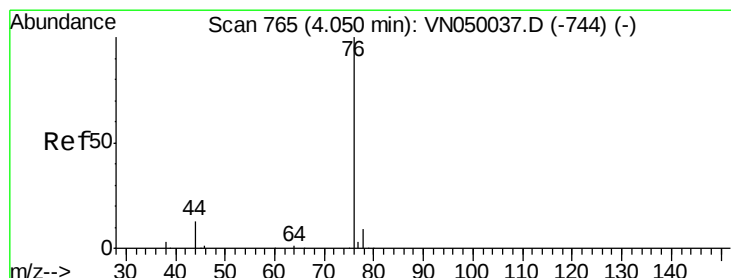
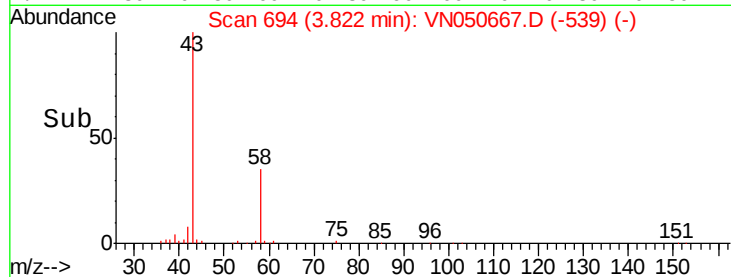
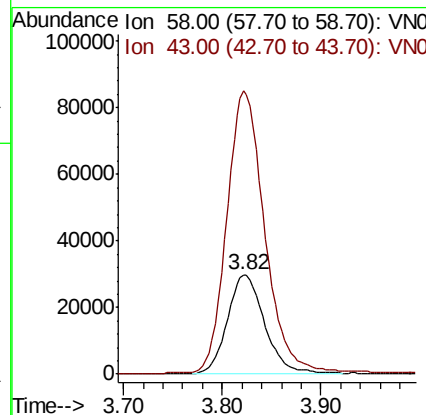
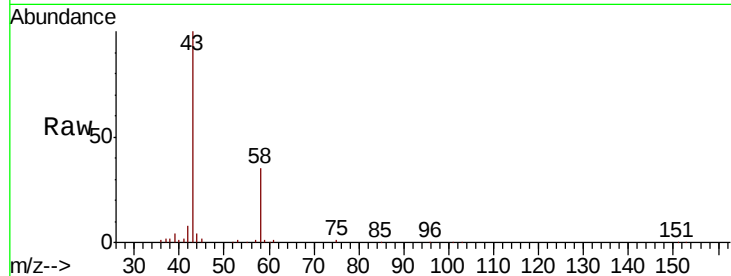
43 283.1 252.0 378.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 20.13 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050667.D

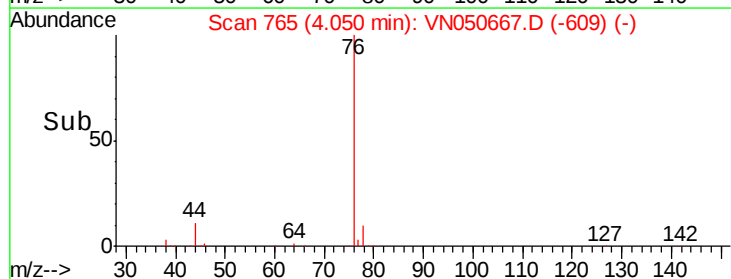
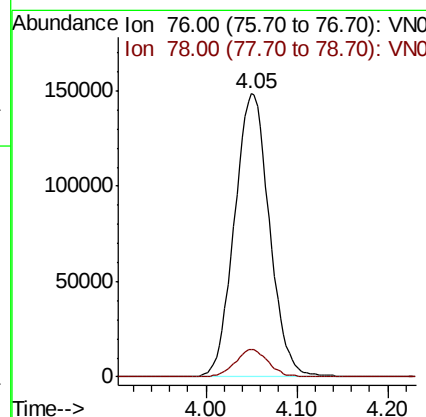
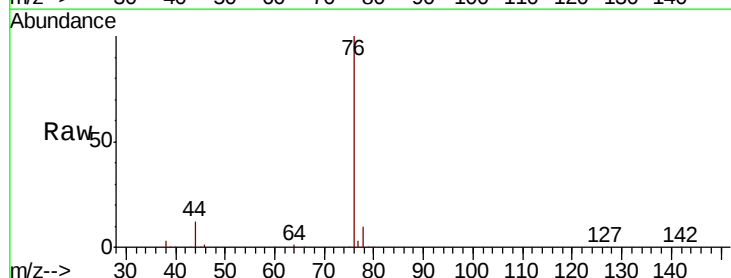
Acq: 15 Aug 2018 20:35

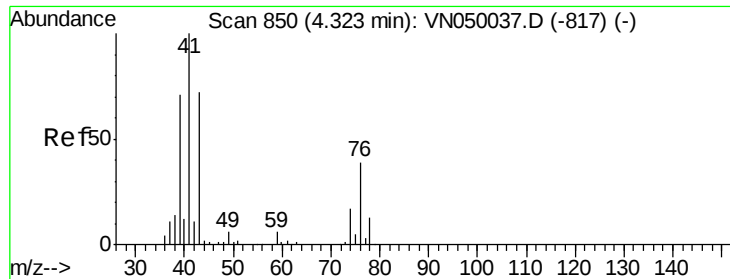
Tgt Ion: 76 Resp: 397167

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9





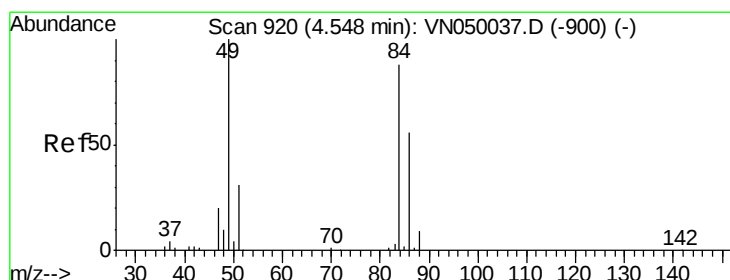
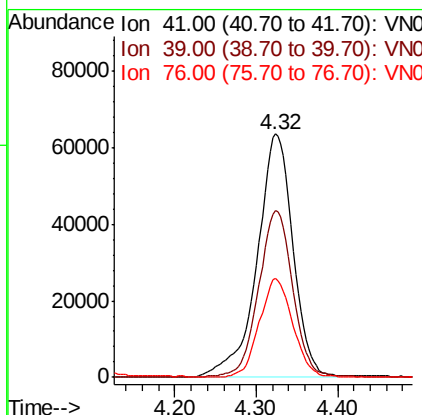
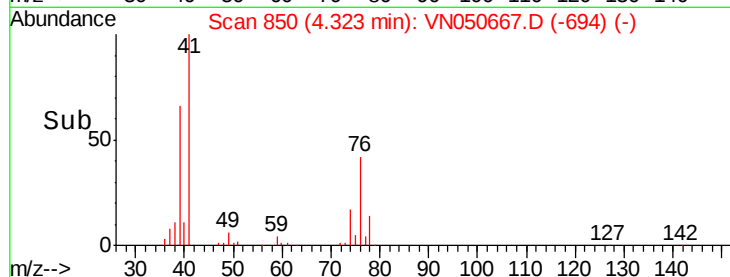
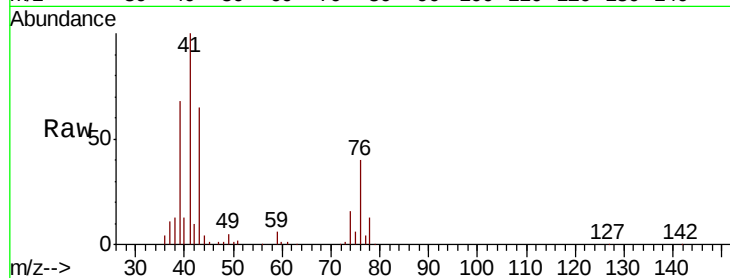
#17
Allvl chloride
Concen: 19.21 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	195654
Ion	Ratio	Lower	Upper
41	100		
39	68.3	35.4	106.3
76	40.1	19.7	59.1

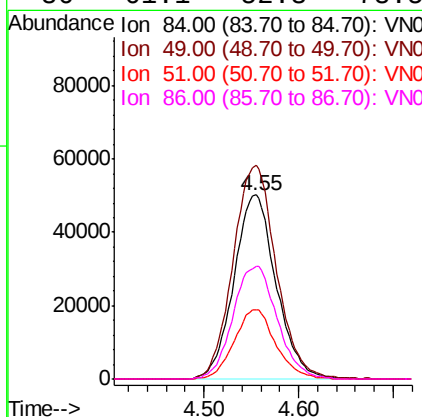
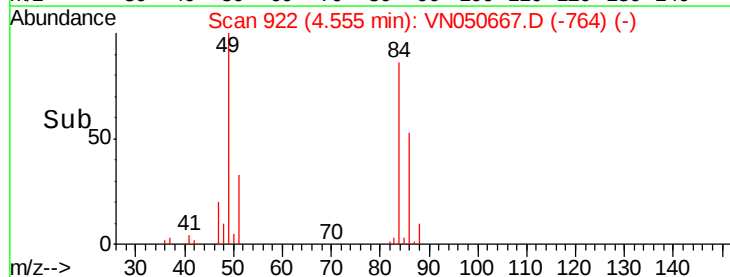
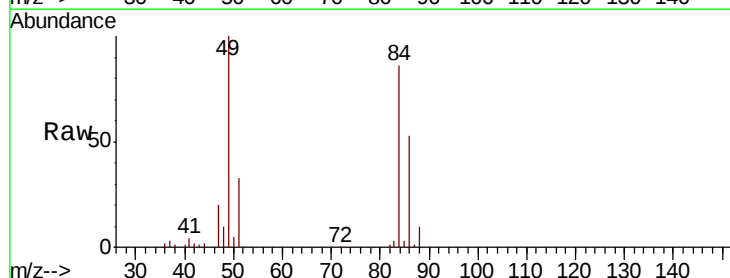
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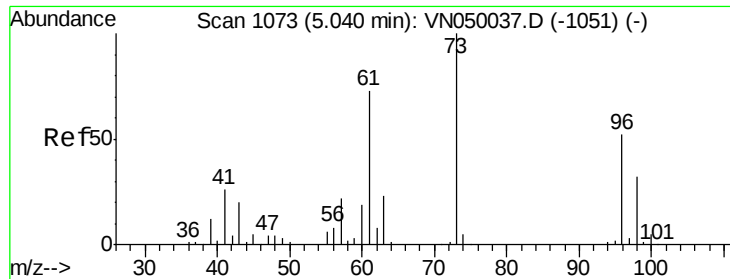
MMDadoda
8/16/2018 1:18:43 PM



#18
Methylene Chloride
Concen: 20.91 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion:	84	Resp:	155559
Ion	Ratio	Lower	Upper
84	100		
49	115.9	95.1	142.7
51	37.7	28.8	43.2
86	61.1	52.3	78.5





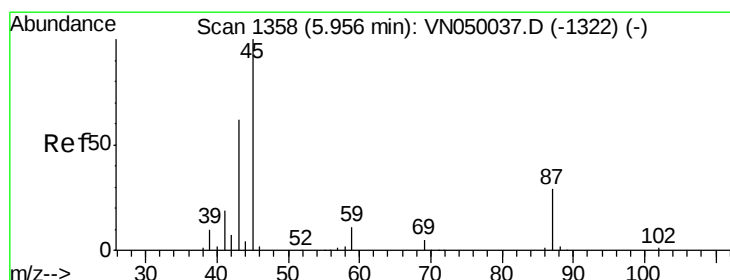
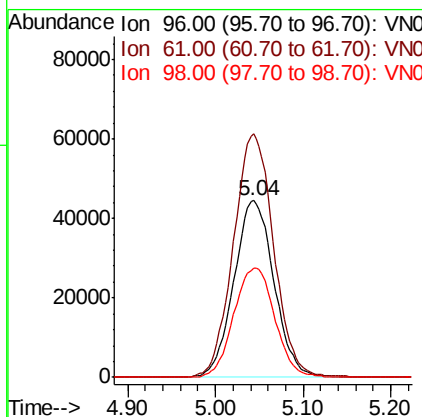
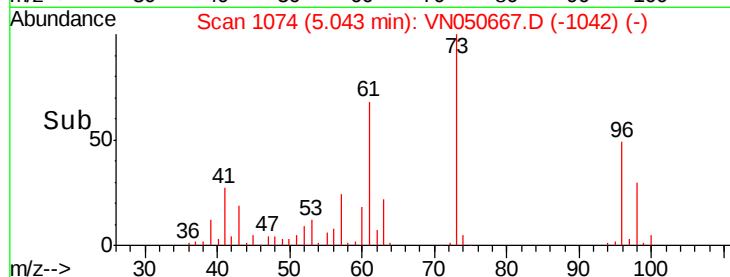
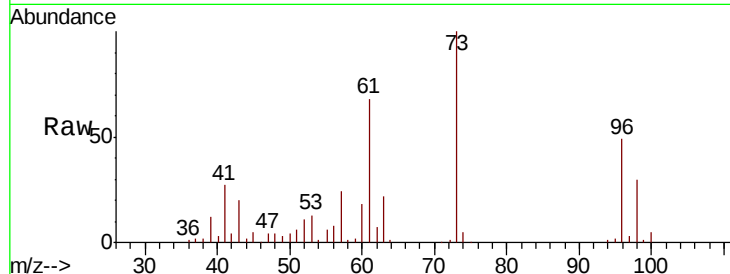
#19
trans-1,2-Dichloroethene
Concen: 20.48 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	112.1	168.1
98	61.8	51.3	76.9

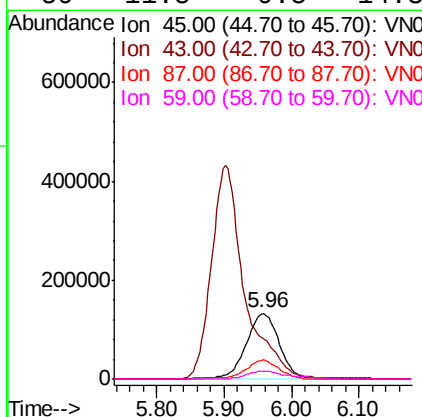
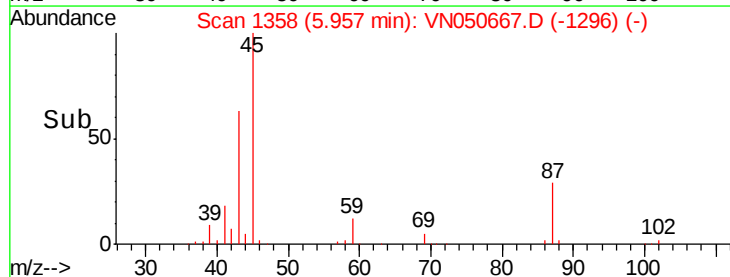
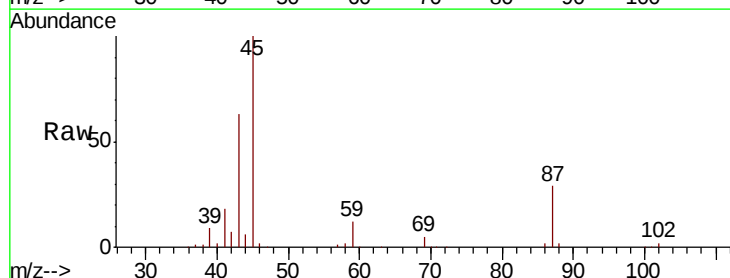
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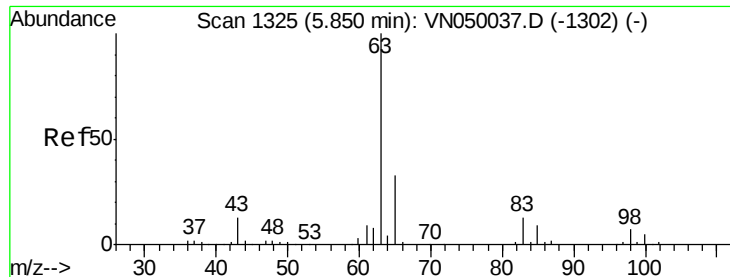
MMDadoda
8/16/2018 1:18:43 PM



#20
Diisopropyl ether
Concen: 21.65 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	46.6	70.0
87	29.1	22.3	33.5
59	11.5	9.5	14.3





#21

1,1-Dichloroethane

Concen: 20.67 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

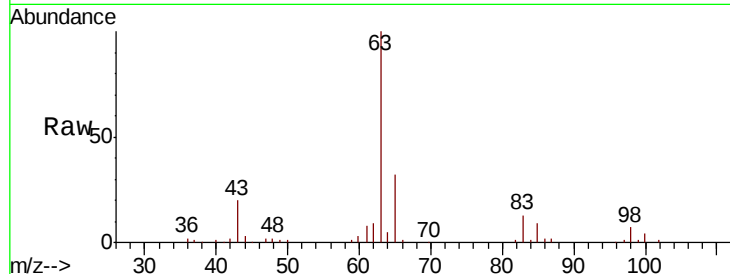
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	271433
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.5	10.6
100	4.4	2.3	6.8

Manual Integrations
APPROVED

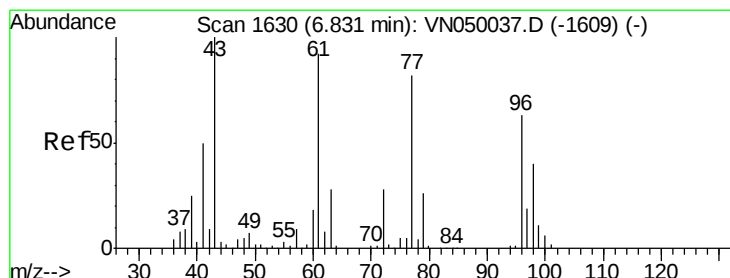
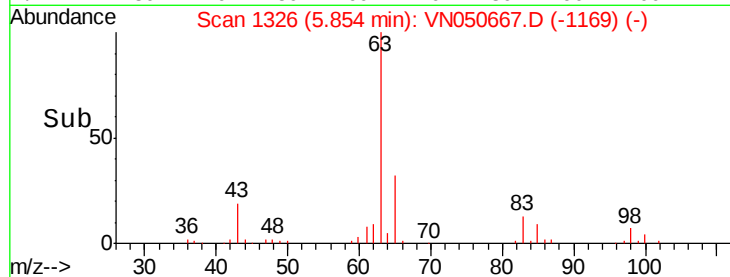
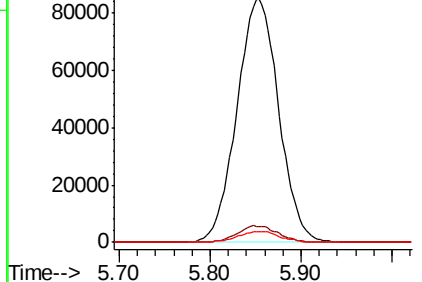
MMDadoda
8/16/2018 1:18:43 PM



Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.60 ug/l

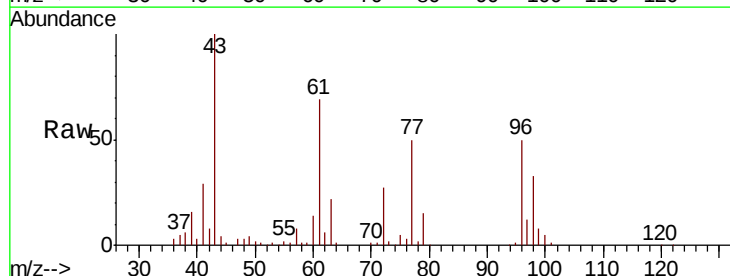
RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

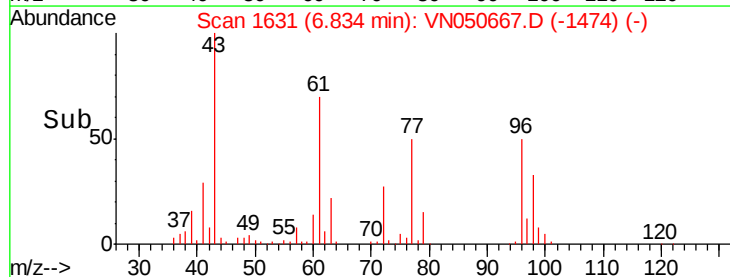
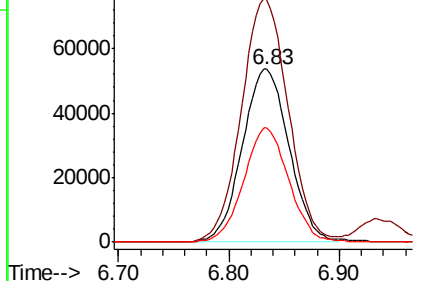
Tgt Ion:	96	Resp:	157679
Ion Ratio	Lower	Upper	
96	100		
61	141.0	114.2	171.2
98	63.6	51.7	77.5

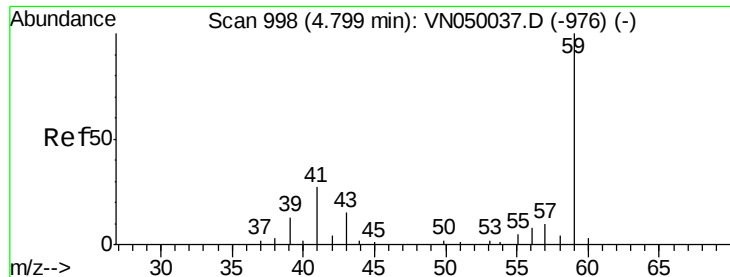


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)





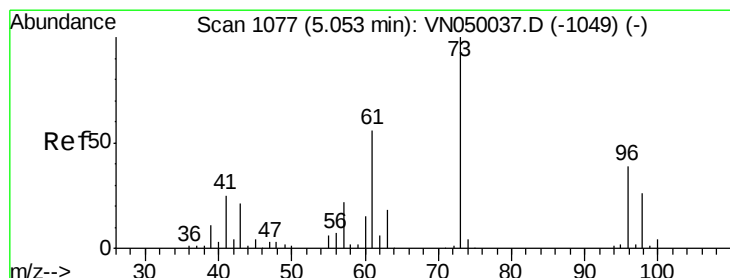
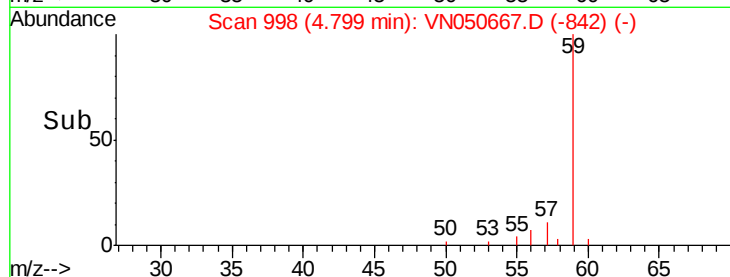
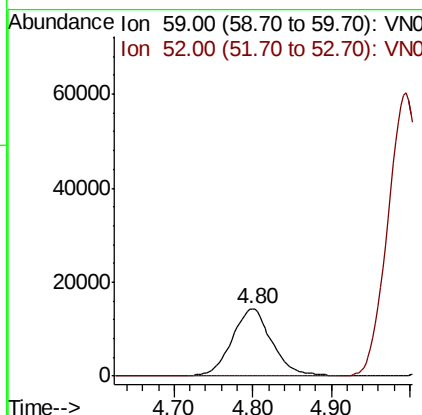
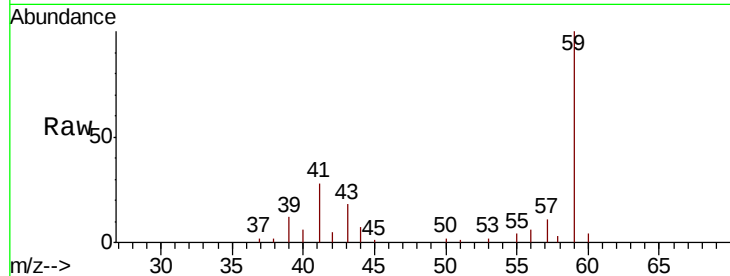
#23
 tert-Butyl Alcohol
 Concen: 92.91 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

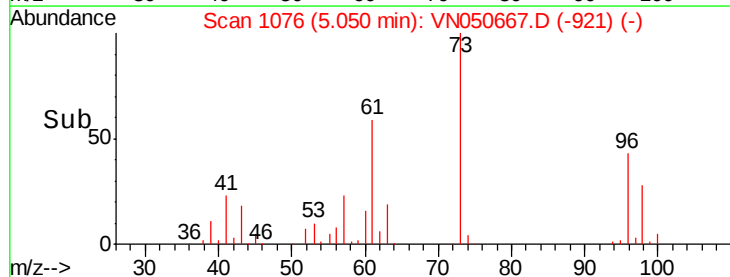
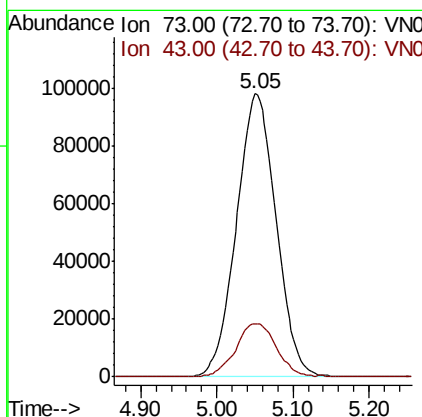
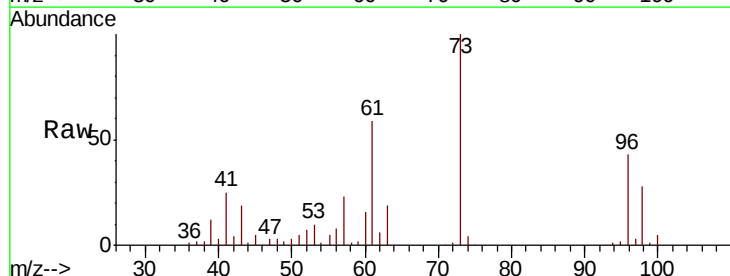
Manual Integrations
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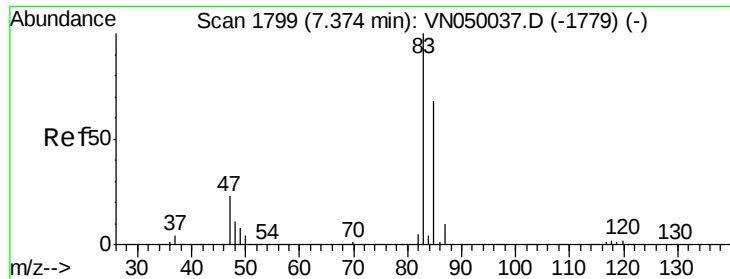
MMDadoda
 8/16/2018 1:18:43 PM



#24
 Methyl tert-Butyl Ether
 Concen: 20.22 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.8	15.5	23.3





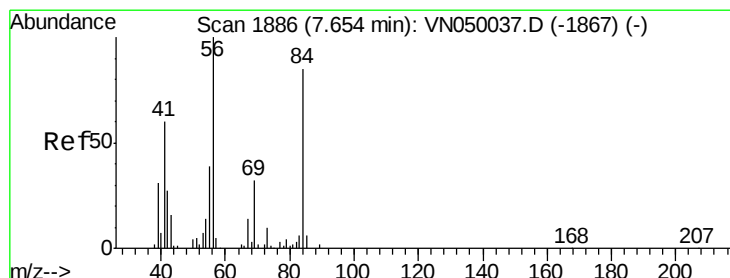
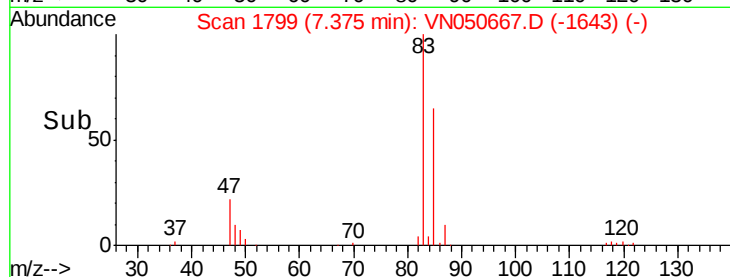
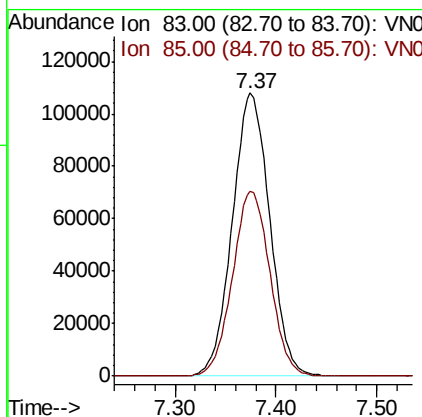
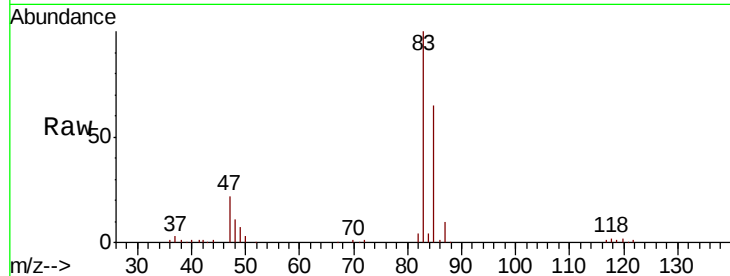
#25
Chloroform
Concen: 20.93 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	278133
Ion Ratio	100	Lower	Upper
83	100		
85	65.3	52.1	78.1

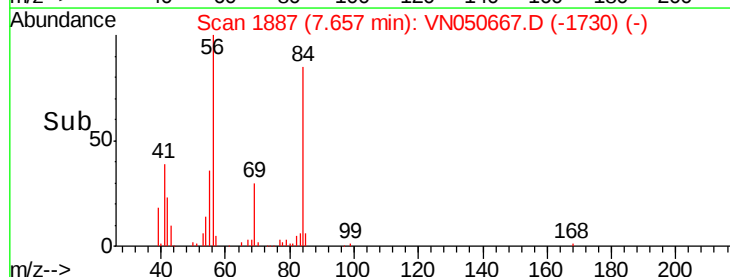
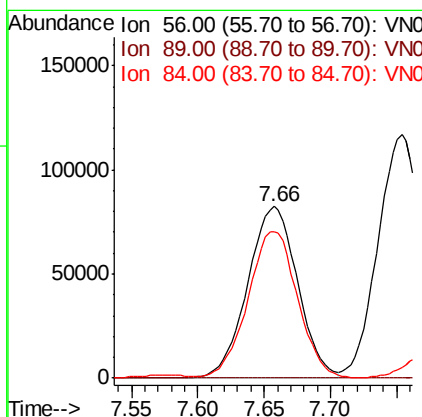
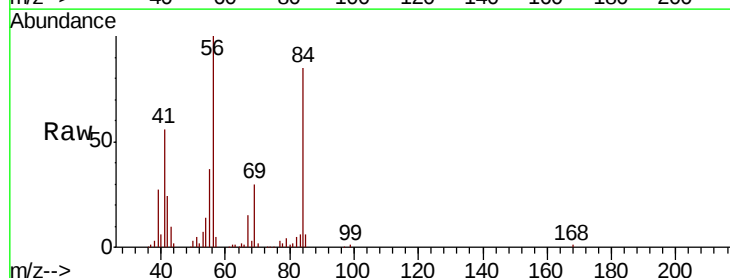
Manual Integrations
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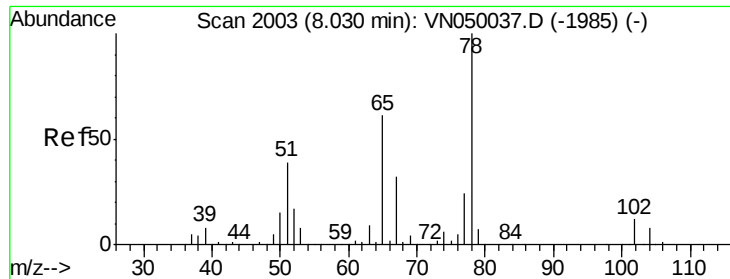
MMDadoda
8/16/2018 1:18:43 PM



#26
Cyclohexane
Concen: 20.72 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	56	Resp	216152
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	3.0	4.4#
84	85.2	69.8	104.8





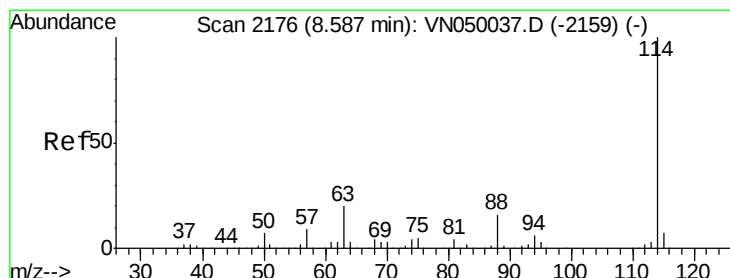
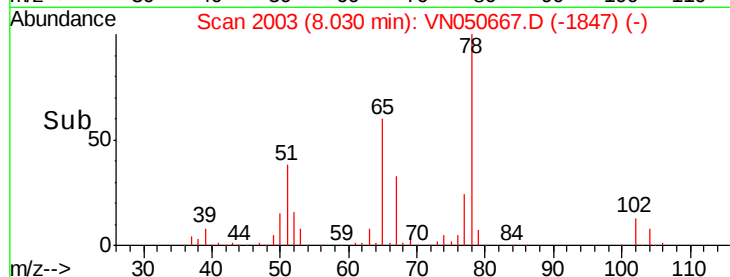
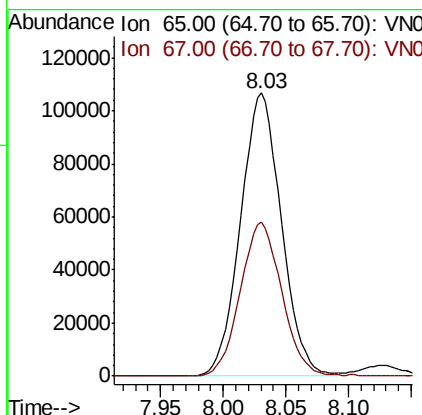
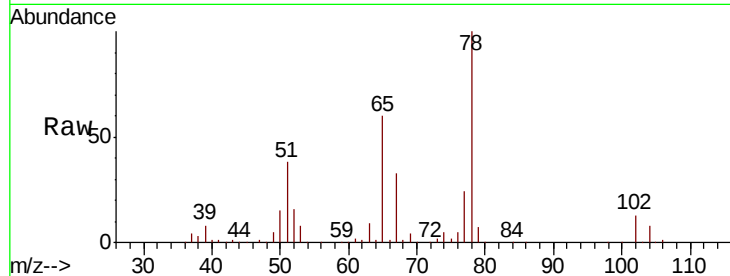
#27
 1,2-Dichloroethane-d4
 Concen: 29.47 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 242296
 Ion Ratio Lower Upper
 65 100
 67 55.1 42.7 64.1

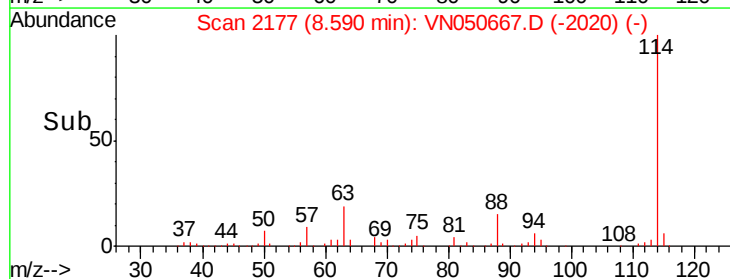
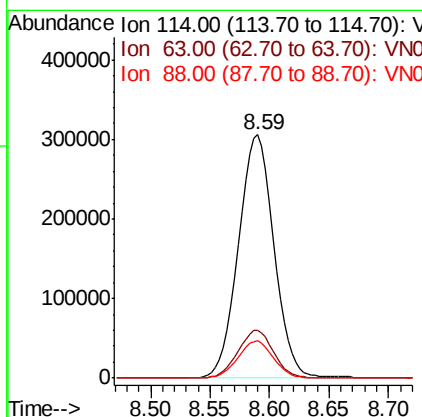
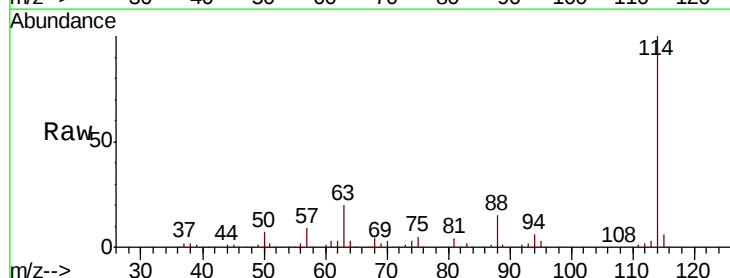
Manual Integrations
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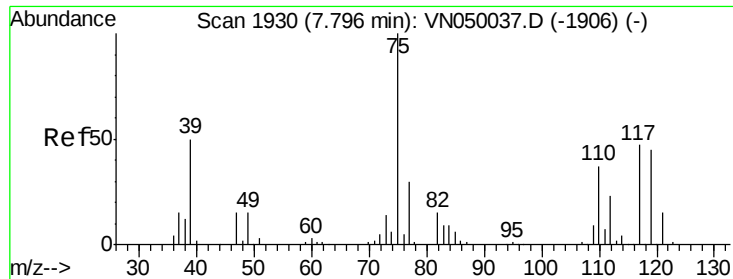
MMDadoda
 8/16/2018 1:18:43 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion: 114 Resp: 632973
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.2 24.2
 88 15.3 12.3 18.5





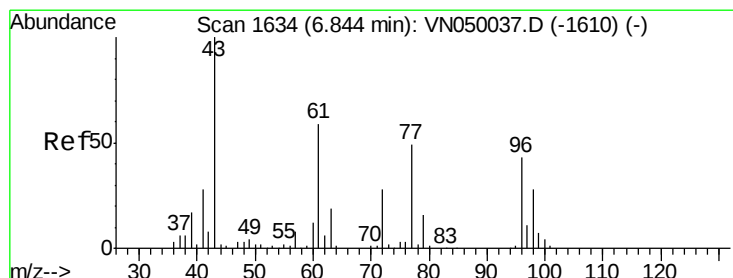
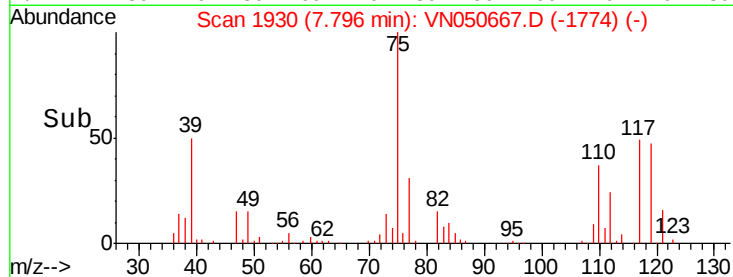
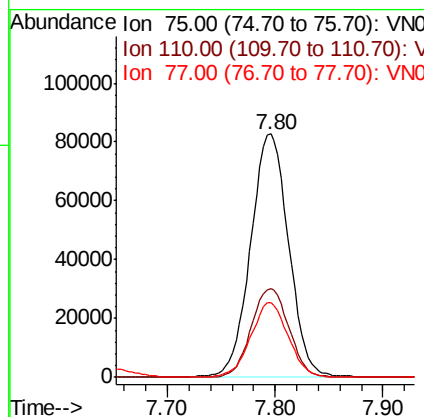
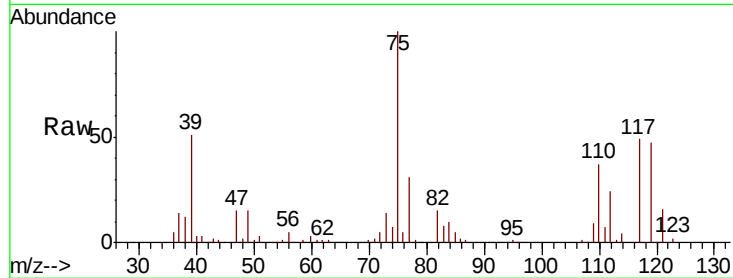
#29
 1,1-Dichloropropene
 Concen: 20.63 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	73.2
77	30.4	0.0	62.0

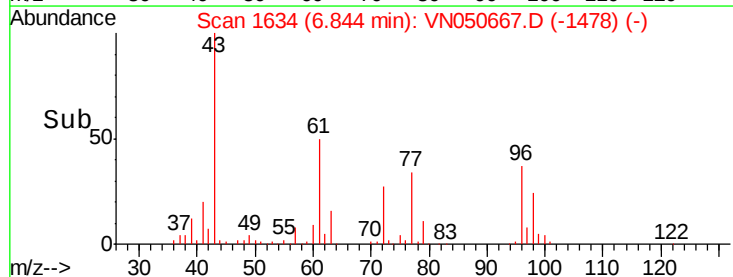
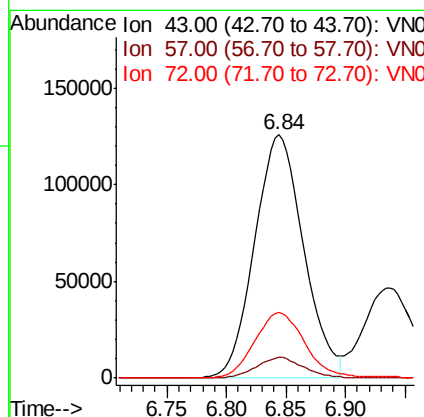
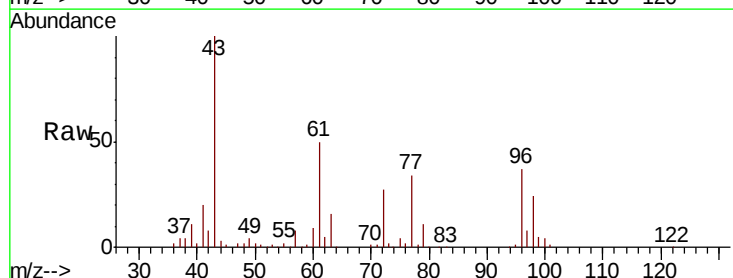
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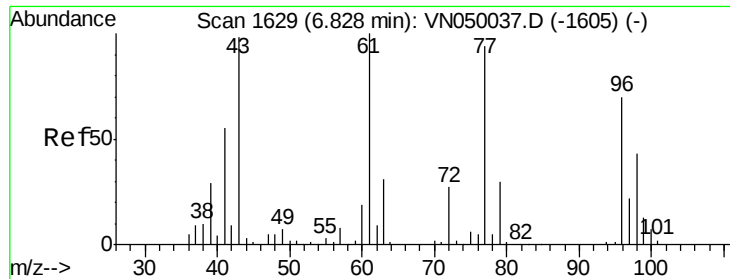
MMDadoda
 8/16/2018 1:18:43 PM



#30
 2-Butanone
 Concen: 116.03 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.8	10.2
72	27.9	21.4	32.0





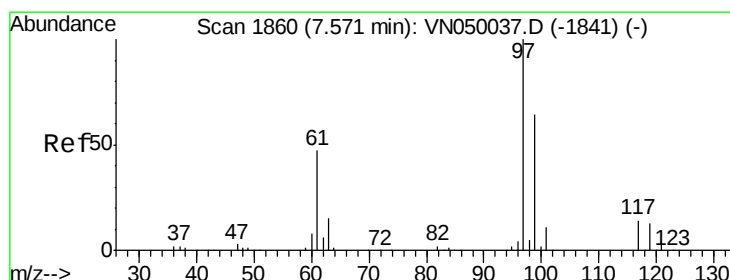
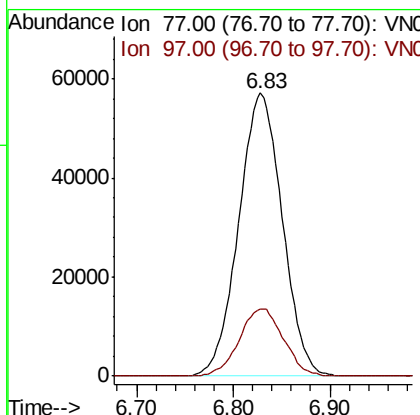
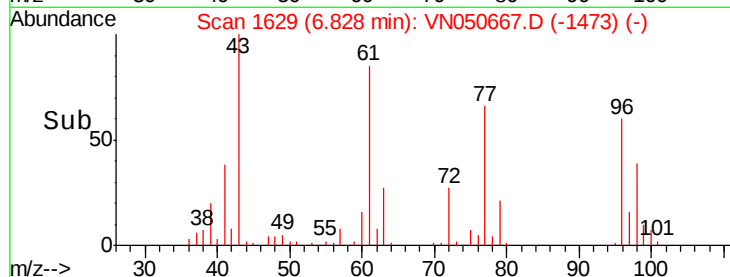
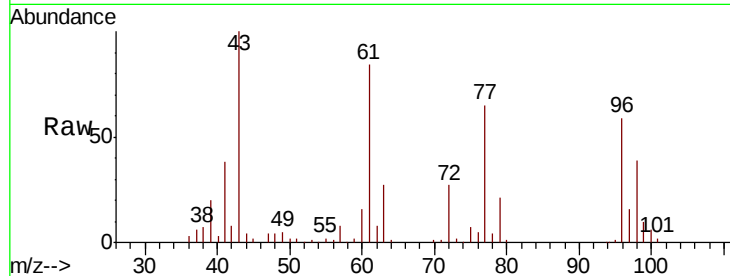
#31
 2,2-Dichloropropane
 Concen: 16.44 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 178528
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.9 28.3

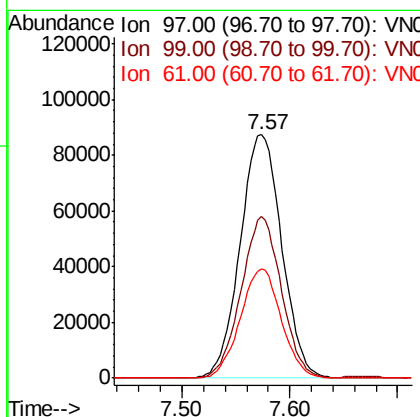
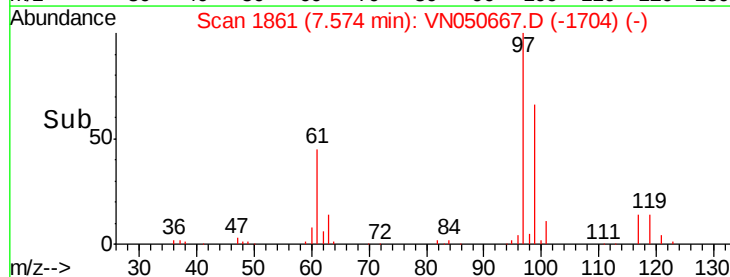
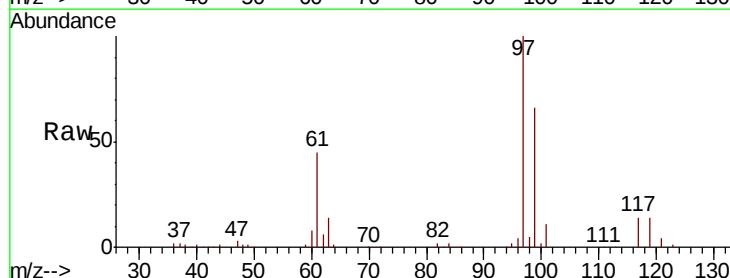
Manual Integrations
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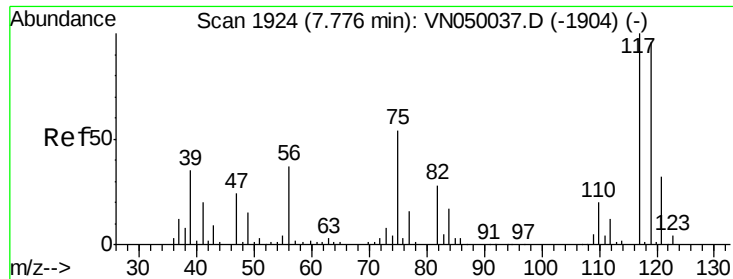
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#32
 1,1,1-Trichloroethane
 Concen: 20.29 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion: 97 Resp: 234652
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.2 76.8
 61 44.1 35.3 52.9





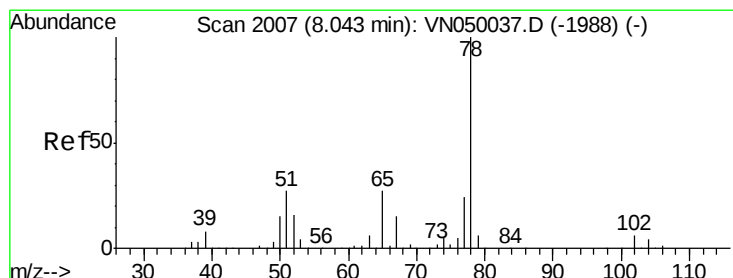
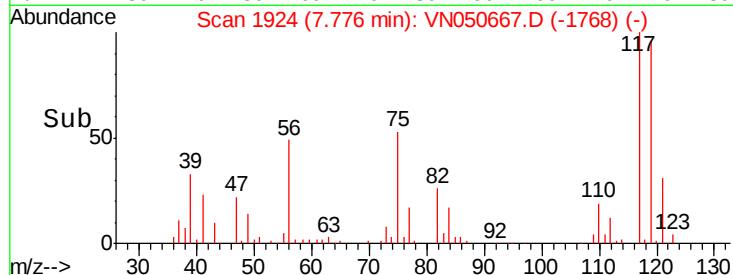
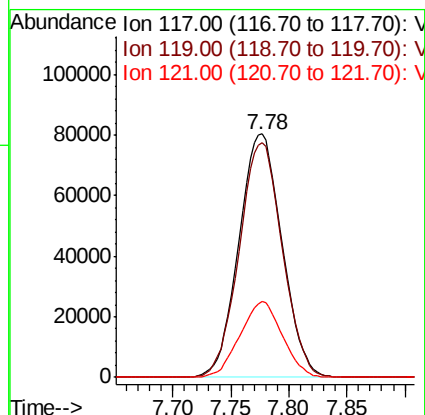
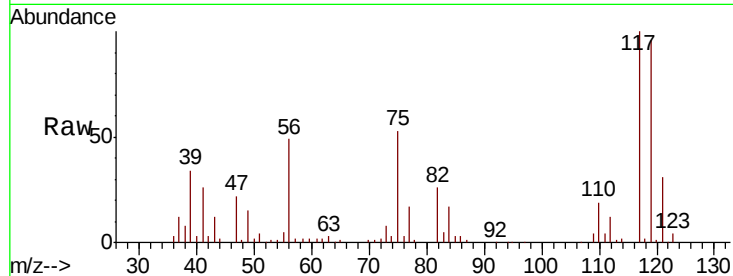
#33
Carbon Tetrachloride
Concen: 20.15 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	207717		
119	96.4	76.9	115.3	
121	31.0	24.4	36.6	

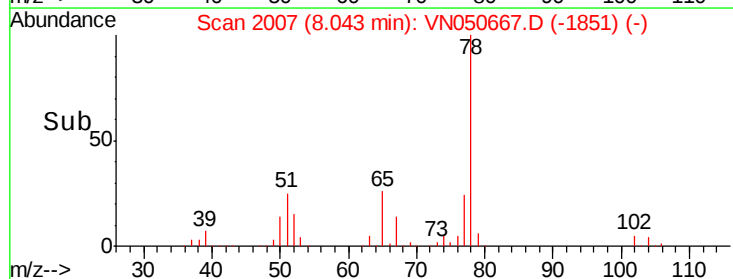
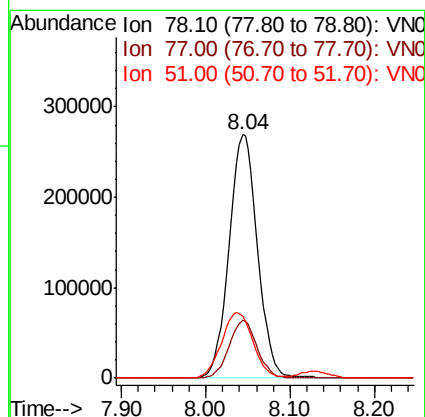
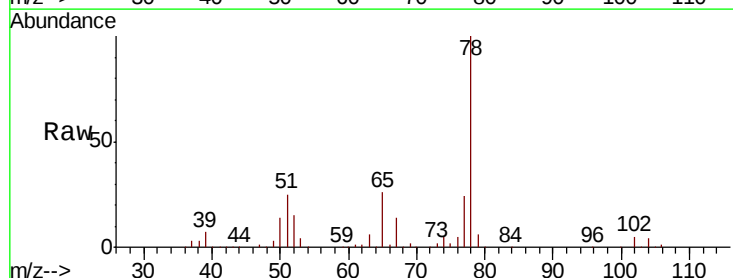
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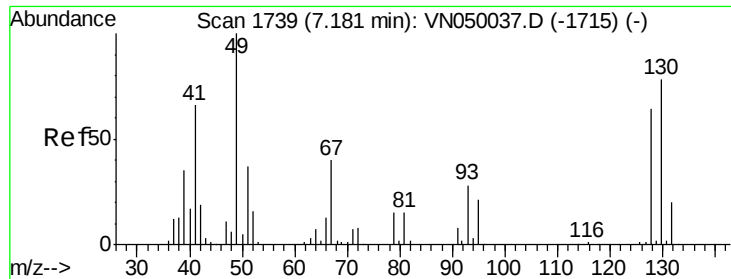
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#34
Benzene
Concen: 21.10 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	629588		
77	23.6	19.1	28.7	
51	25.2	21.0	31.4	





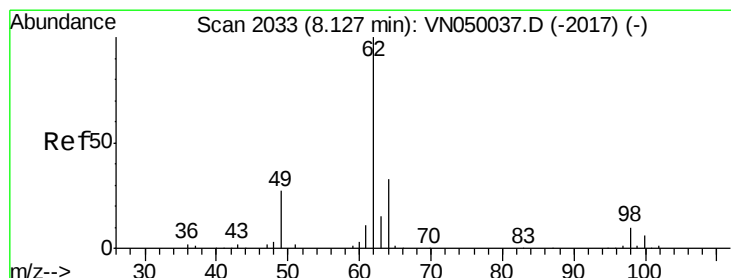
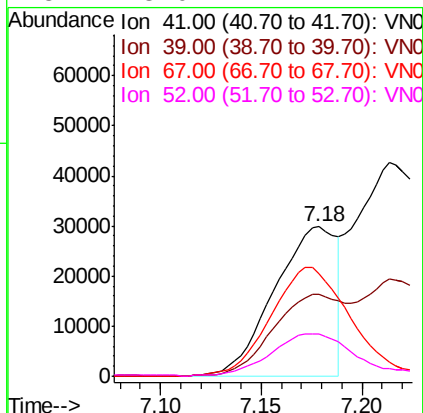
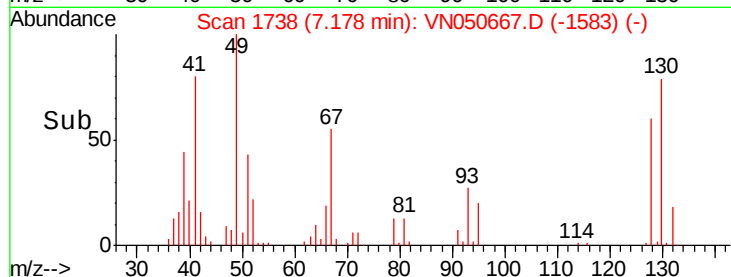
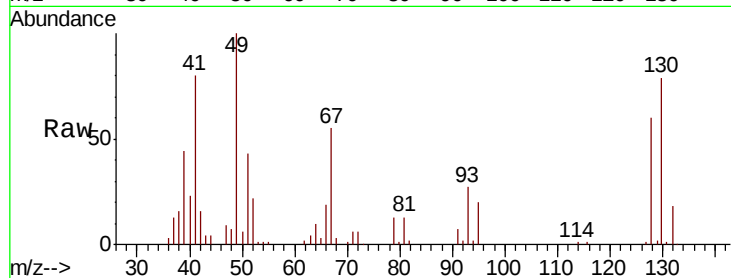
#35
Methacrylonitrile
Concen: 18.25 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	27.6	82.7	
67	68.9	35.1	105.5	
52	28.0	14.1	42.4	

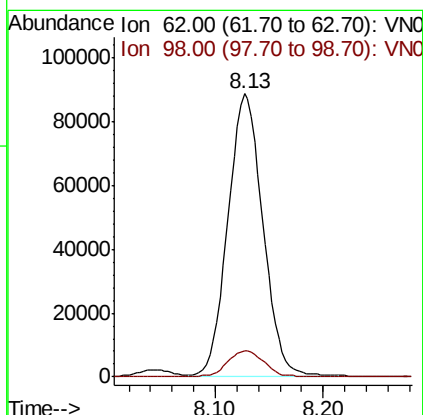
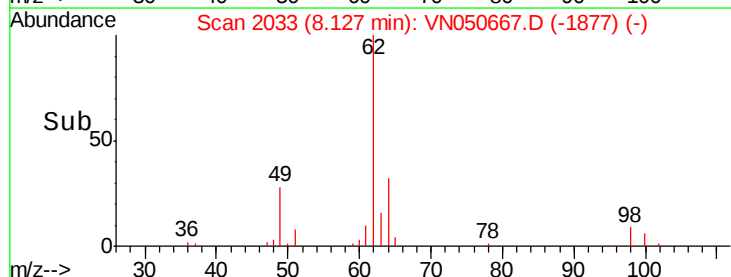
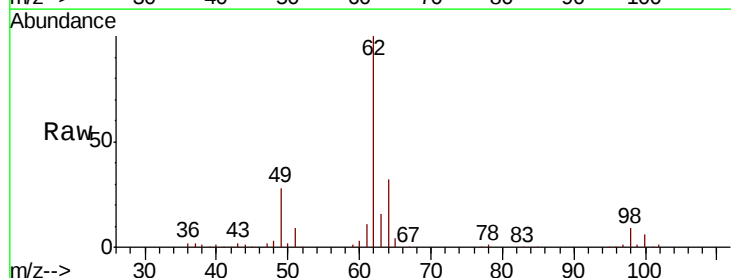
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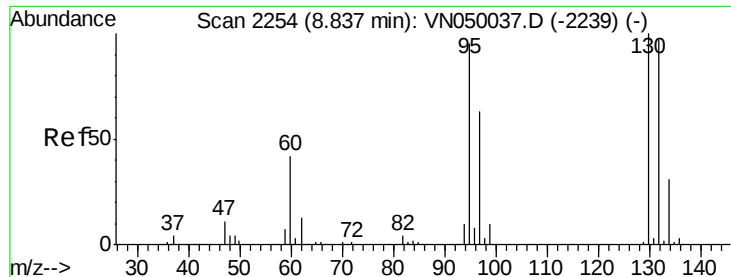
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#36
1,2-Dichloroethane
Concen: 20.48 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	7.8	11.6	





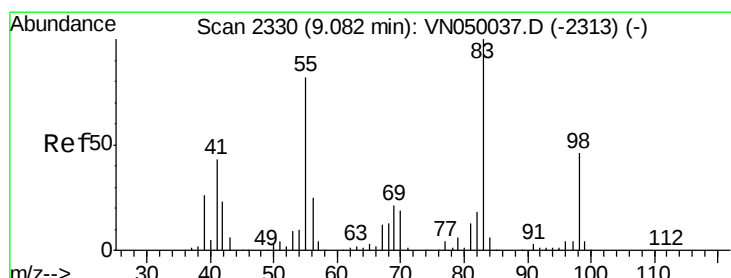
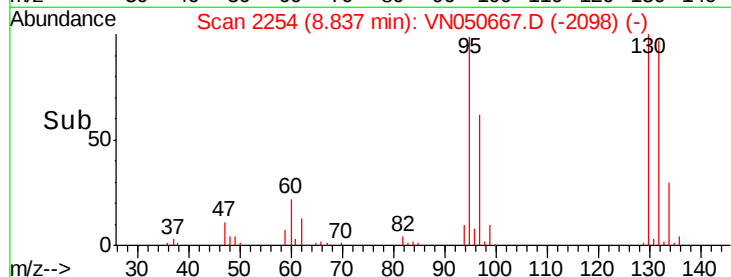
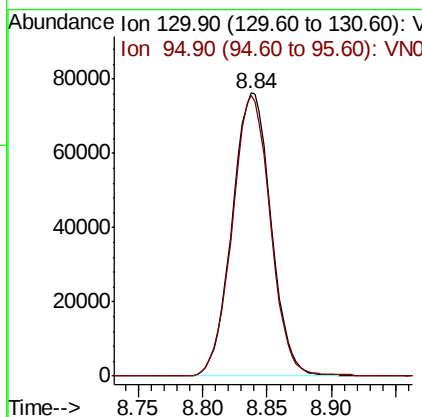
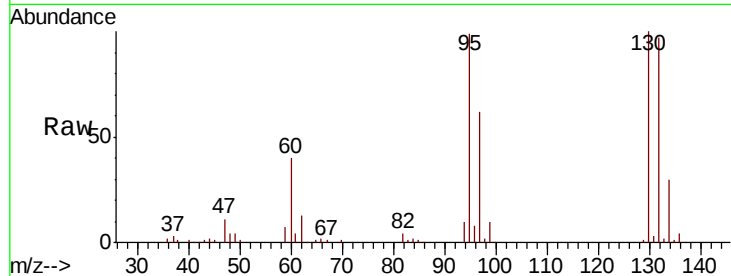
#37
 Trichloroethene
 Concen: 20.41 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 159726
 Ion Ratio Lower Upper
 130 100
 95 99.2 79.7 119.5

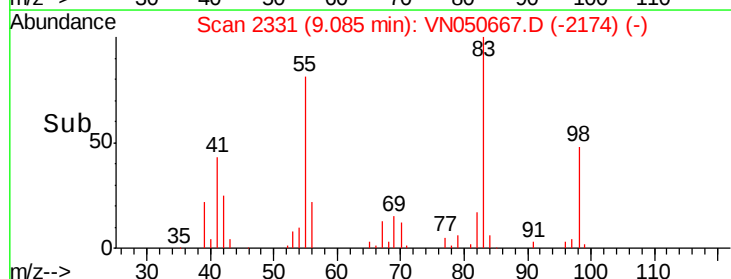
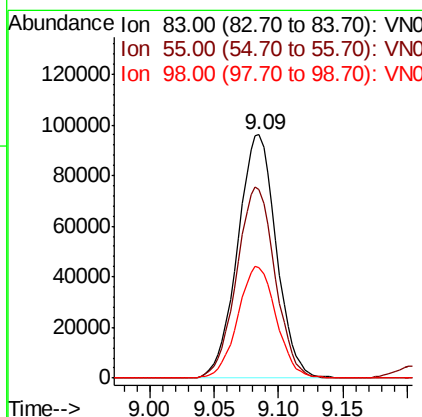
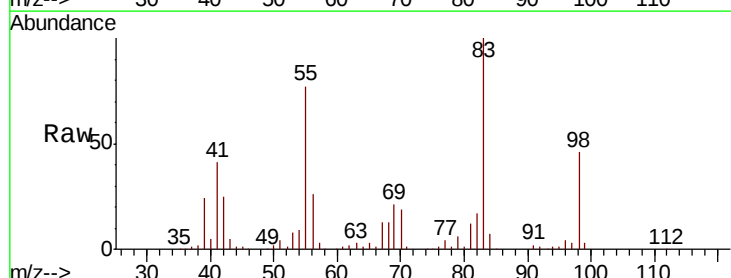
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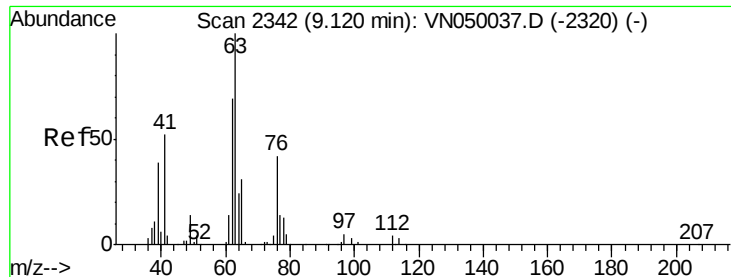
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#38
 Methylcyclohexane
 Concen: 19.35 ug/l
 RT: 9.09 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion: 83 Resp: 200373
 Ion Ratio Lower Upper
 83 100
 55 78.2 39.3 117.8
 98 45.8 23.0 69.0





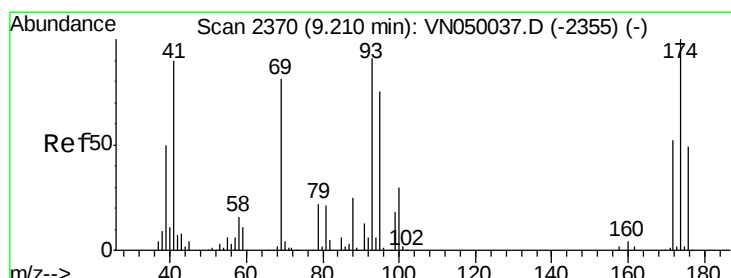
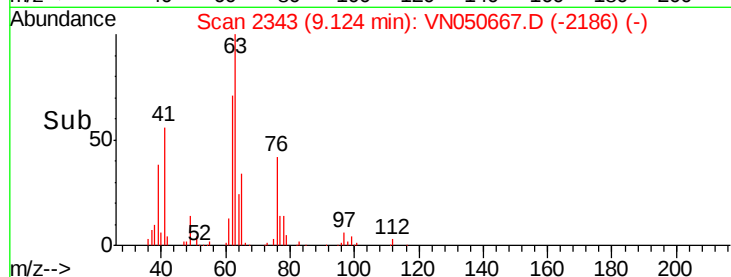
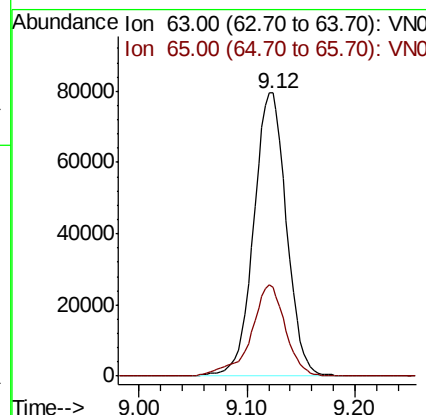
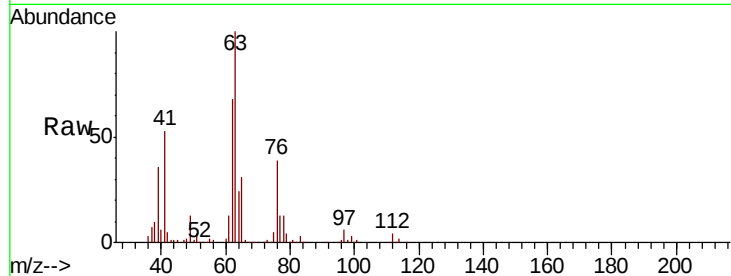
#39
 1,2-Dichloropropane
 Concen: 21.28 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.2	36.2

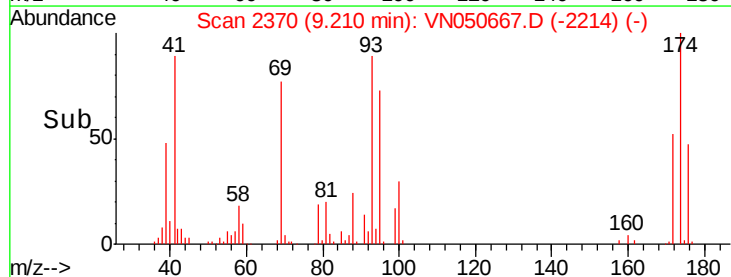
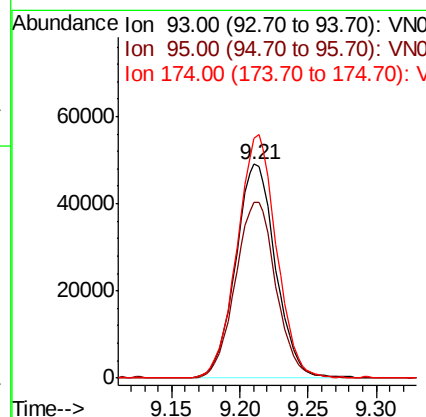
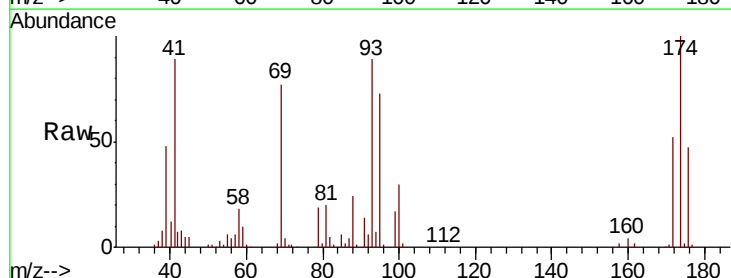
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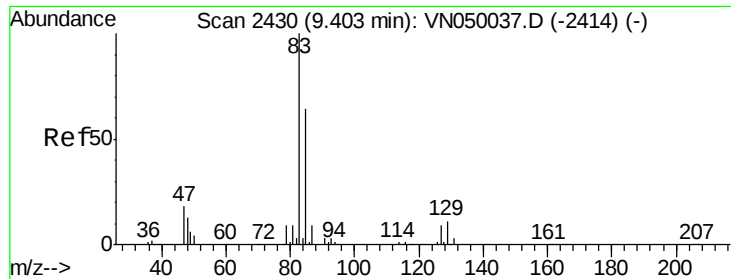
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#40
 Dibromomethane
 Concen: 20.54 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	0.0	165.6
174	111.8	0.0	223.2





#41

Bromodichloromethane

Concen: 20.18 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

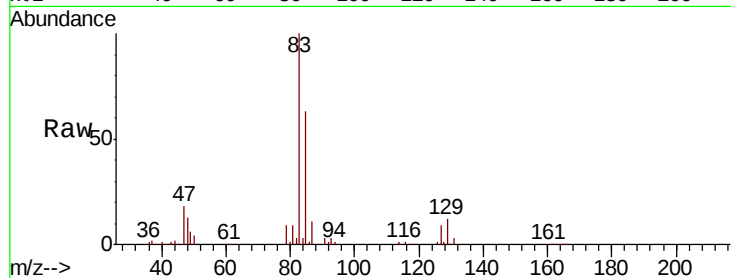
ClientSampleId :

VSTDCCC020

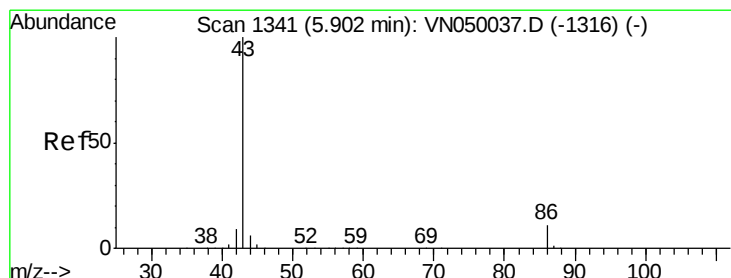
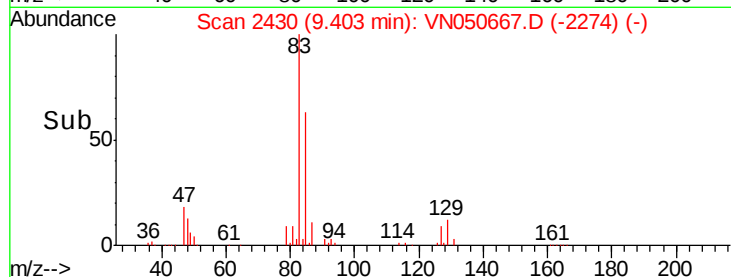
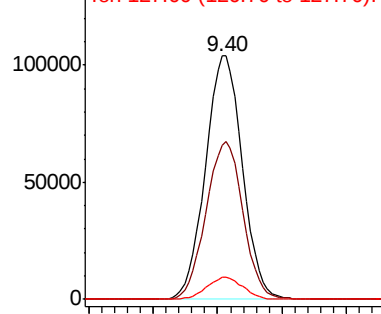
Tot Ion:	83	Resp:	206744
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.6	78.8
127	9.1	7.0	10.4

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN050667.D (-2274) (-)



#42

Vinyl Acetate

Concen: 102.10 ug/l

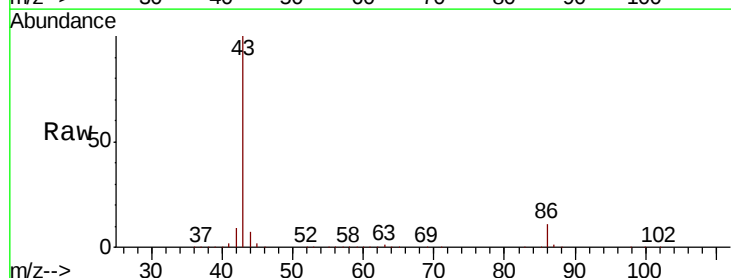
RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

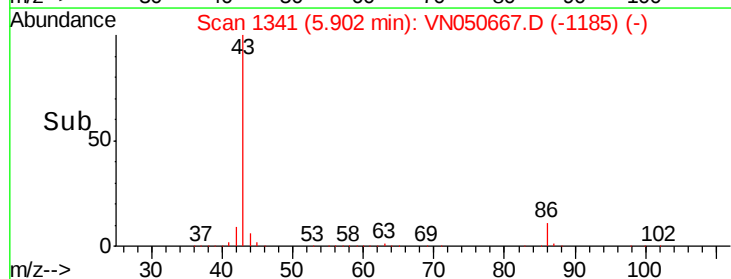
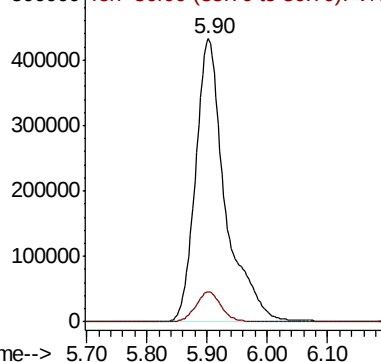
Lab File: VN050667.D

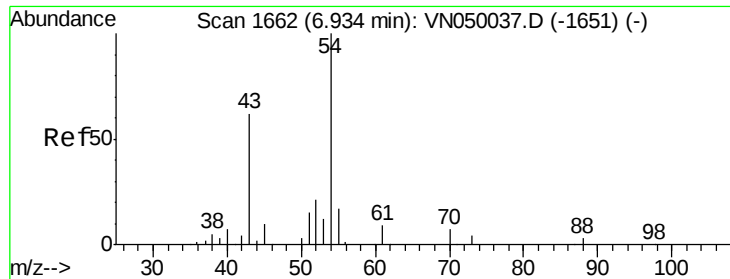
Acq: 15 Aug 2018 20:35

Tgt Ion:	43	Resp:	1480947
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN050667.D (-1185) (-)





#43

Ethyl Acetate

Concen: 20.05 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 129075

Ion Ratio Lower Upper

43 100

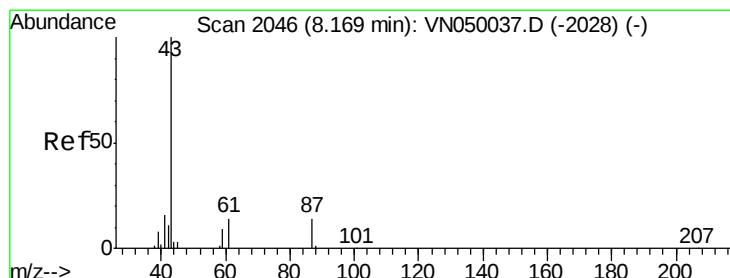
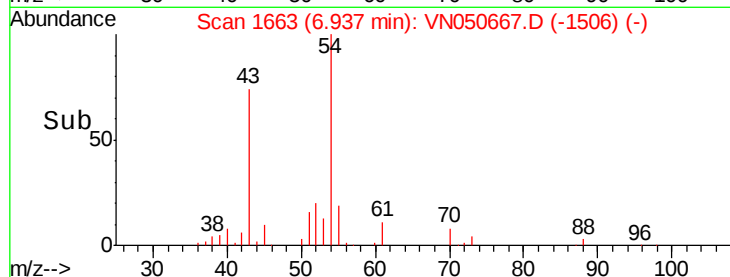
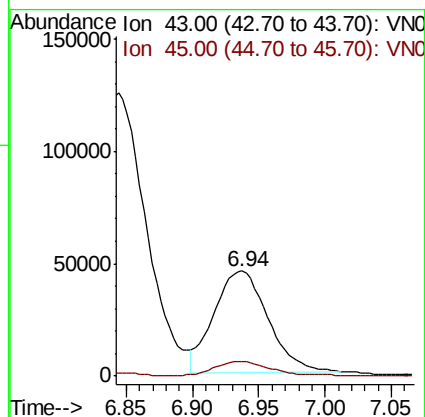
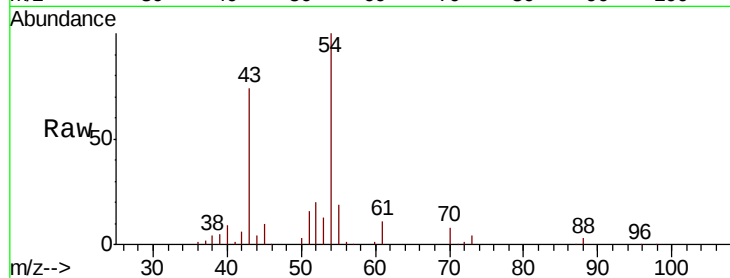
45 13.3 13.0 19.6

Manual Integrations

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#44

Isopropyl Acetate

Concen: 20.54 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050667.D

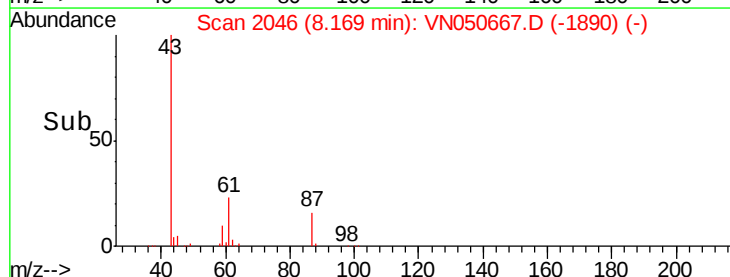
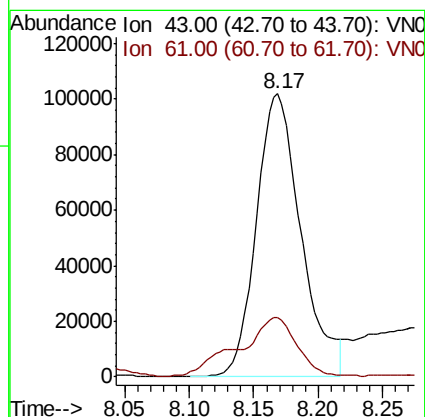
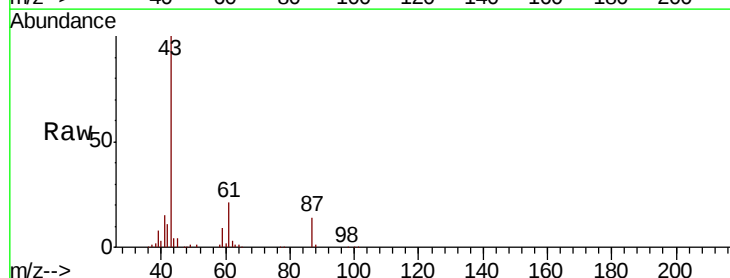
Acq: 15 Aug 2018 20:35

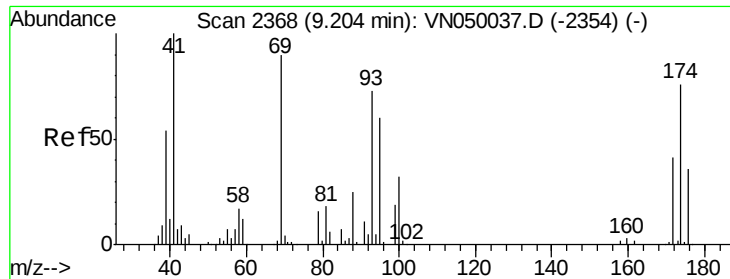
Tgt Ion: 43 Resp: 244897

Ion Ratio Lower Upper

43 100

61 18.6 16.4 24.6





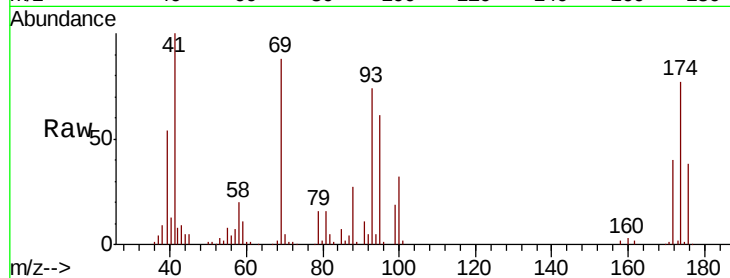
#45
1,4-Dioxane
Concen: 397.94 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.9	40.3
58	70.6	53.6	80.4

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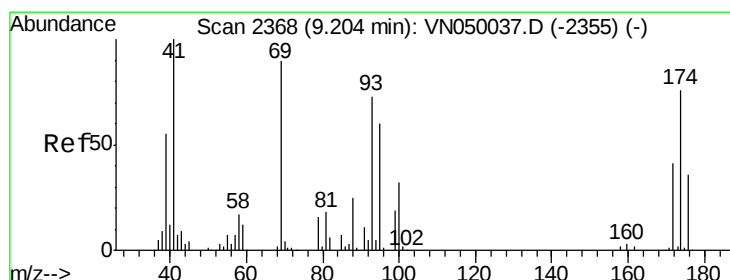
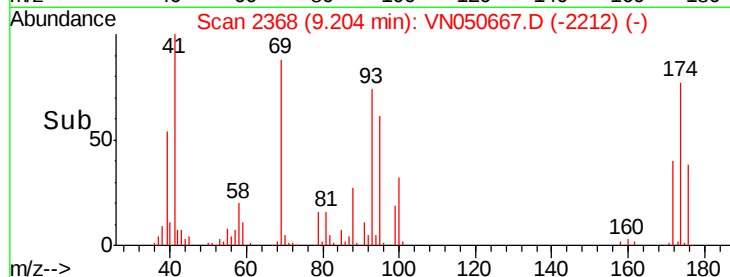
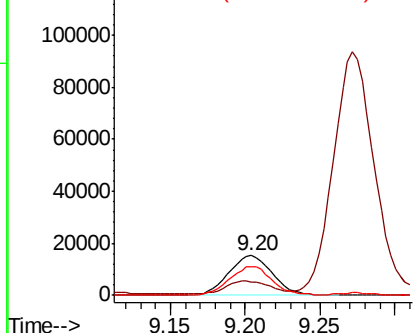


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
Methyl methacrylate
Concen: 18.28 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

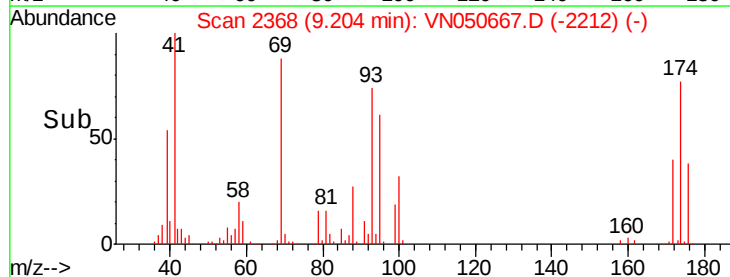
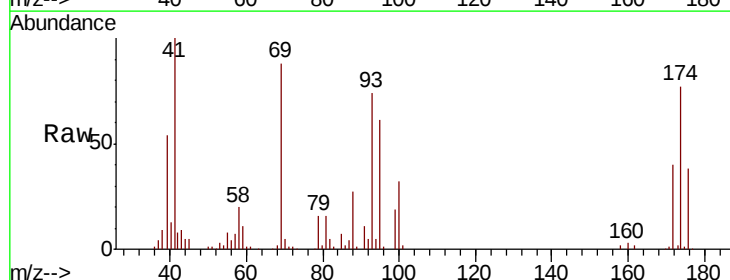
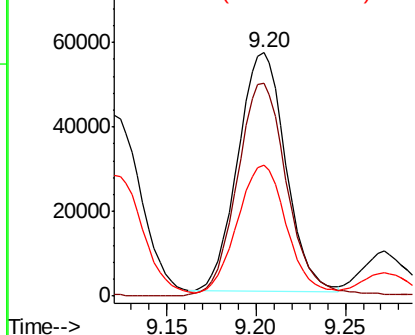
Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.1	44.0	132.1
39	53.5	27.0	80.8

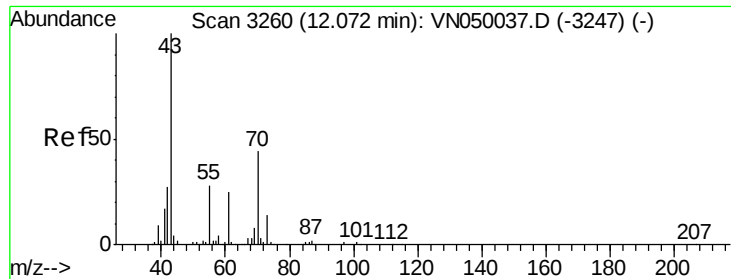
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





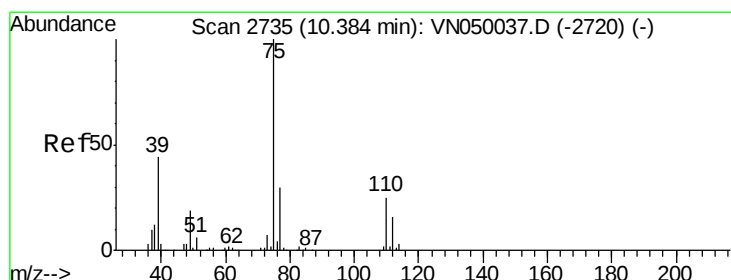
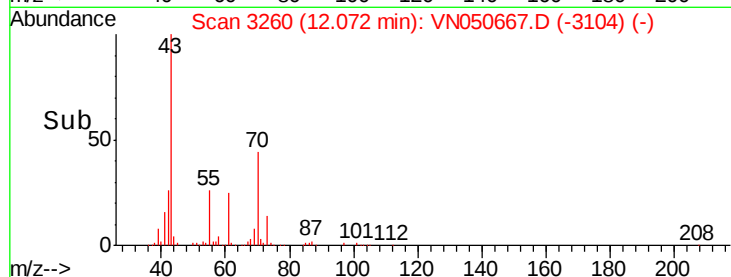
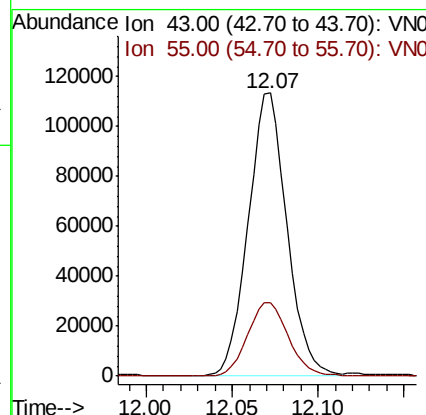
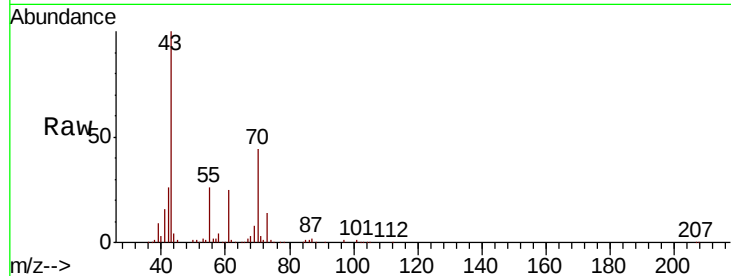
#47
n-amyl Acetate
Concen: 18.94 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	43	Resp	175692
Ion Ratio	43	100	Lower Upper
	55	27.7	21.0 31.4

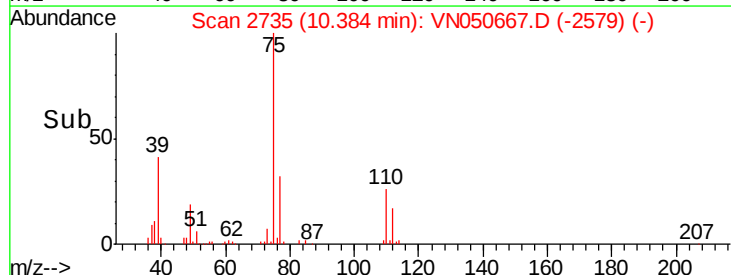
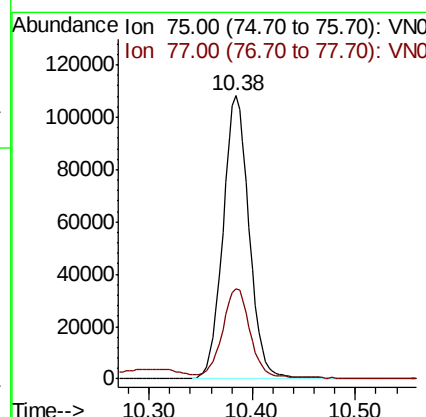
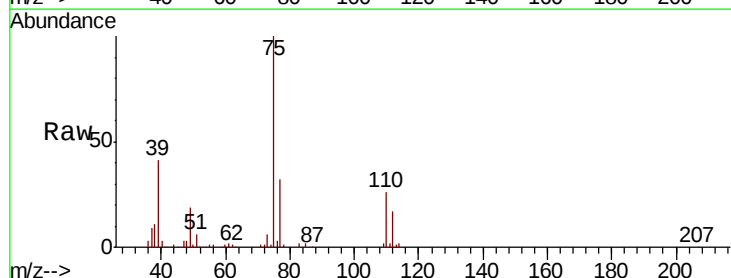
Manual Integrations
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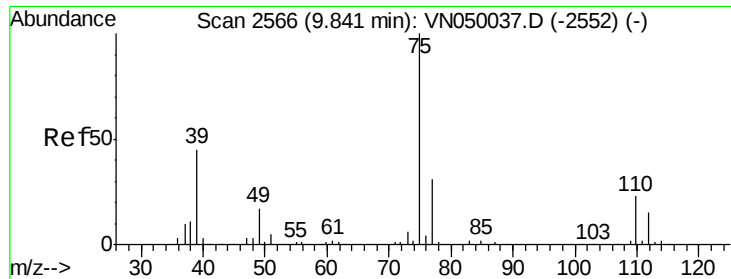
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#48
t-1,3-Dichloropropene
Concen: 19.52 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	75	Resp	190665
Ion Ratio	75	100	Lower Upper
	77	31.7	24.6 37.0





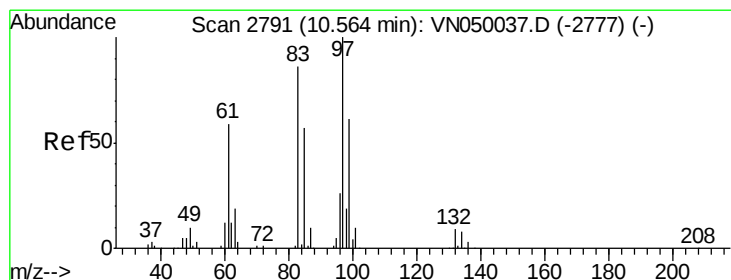
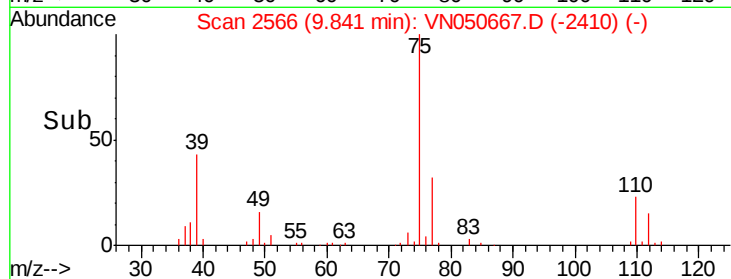
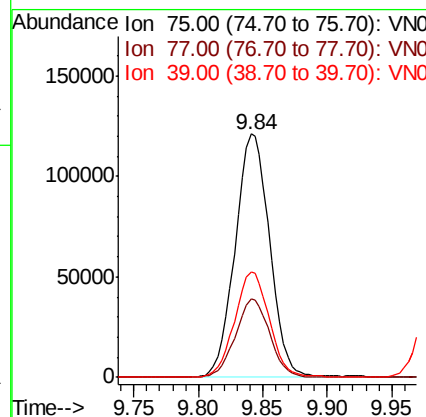
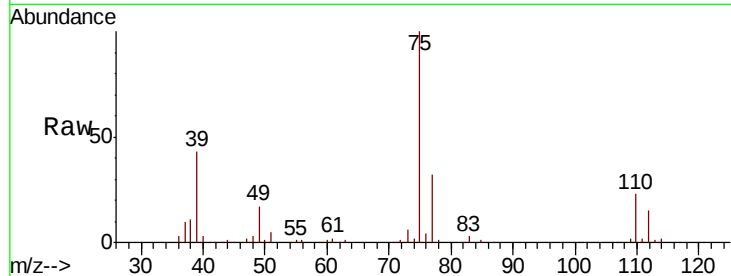
#49
 cis-1,3-Dichloropropene
 Concen: 19.63 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.7	38.5
39	43.2	36.3	54.5

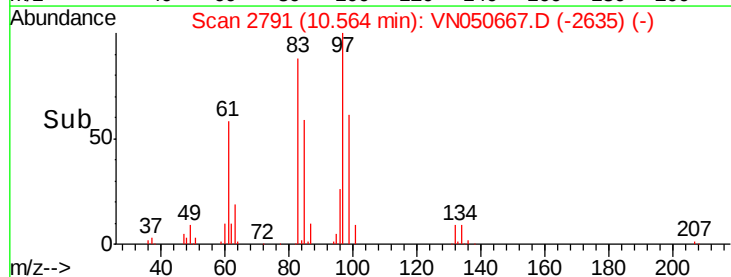
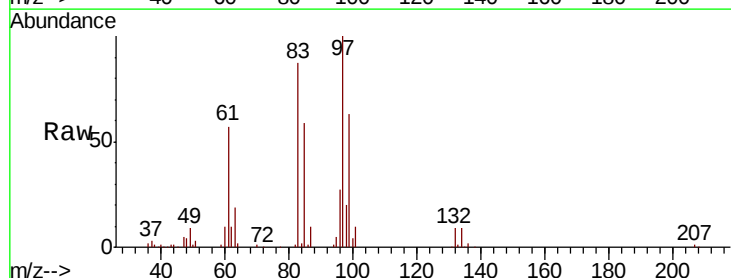
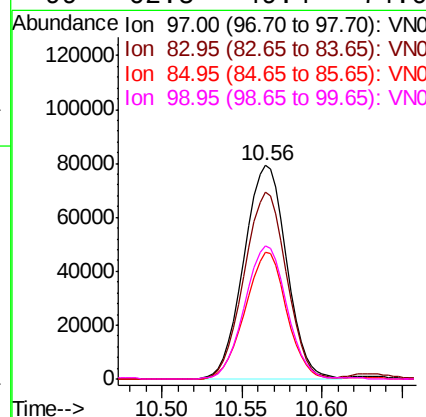
Manual Integrations
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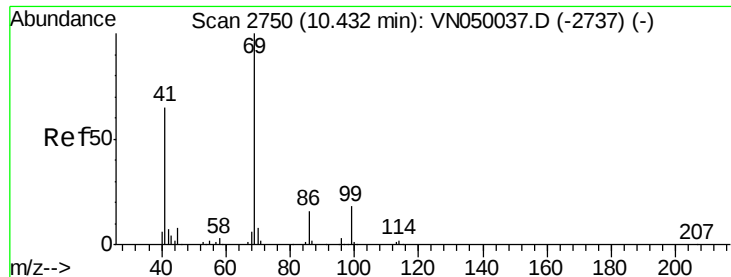
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.75 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	68.1	102.1
85	59.1	45.4	68.2
99	62.5	49.4	74.0





#51

Ethyl methacrylate

Concen: 19.49 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

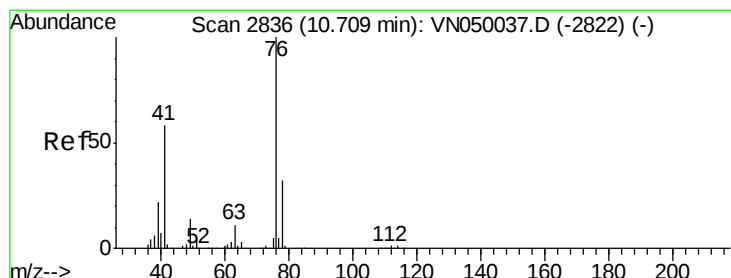
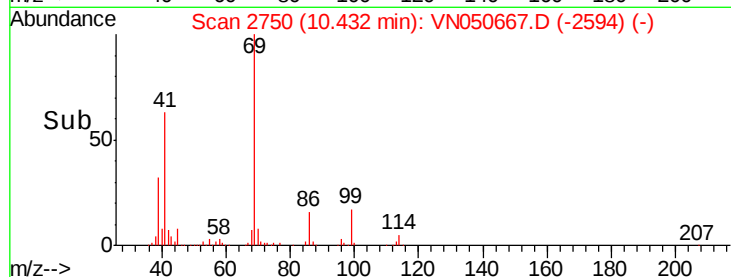
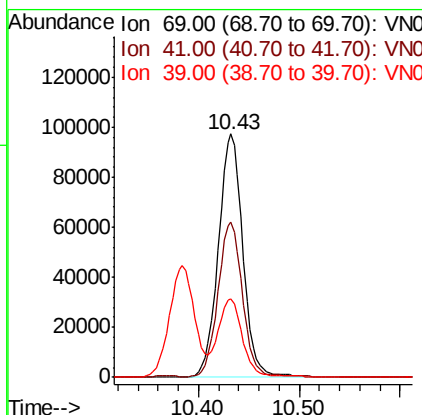
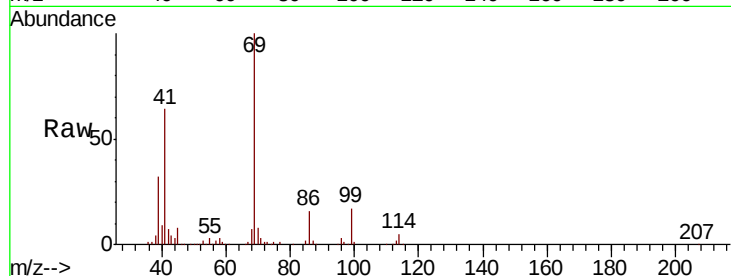
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	164923
Ion	Ratio	Lower	Upper
69	100		
41	63.4	31.9	95.9
39	32.1	16.7	50.1

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#52

1,3-Dichloropropane

Concen: 20.73 ug/l

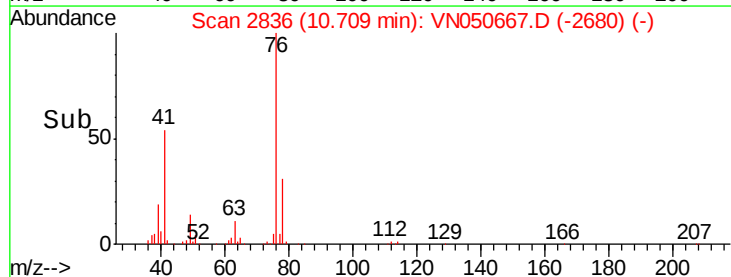
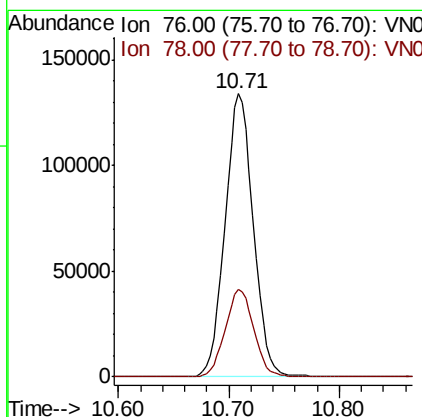
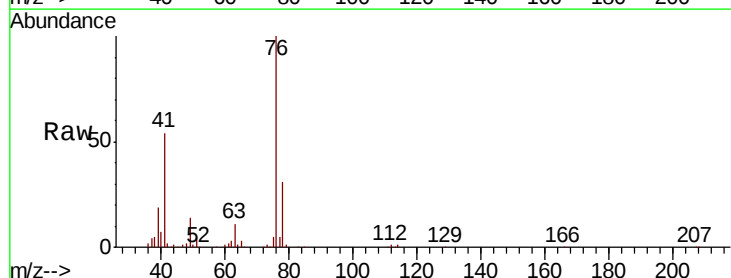
RT: 10.71 min Scan# 2836

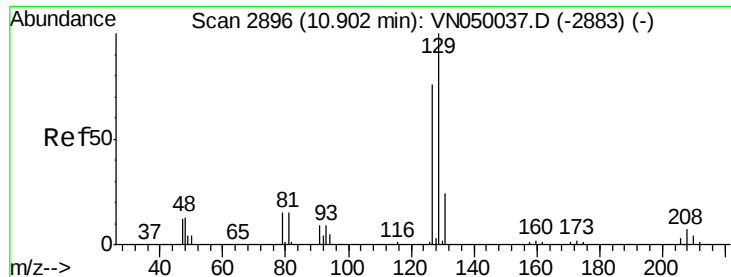
Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Tgt Ion:	76	Resp:	237381
Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	65.6





#53

Dibromochloromethane

Concen: 19.92 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 157587

Ion Ratio Lower Upper

129 100

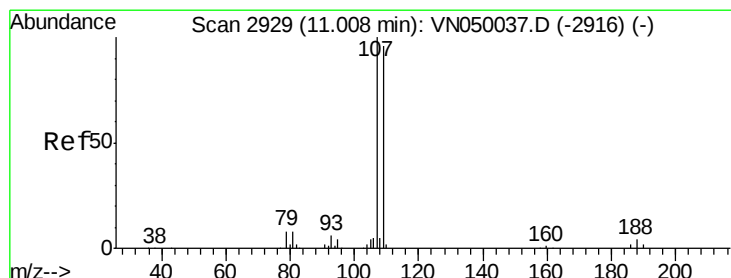
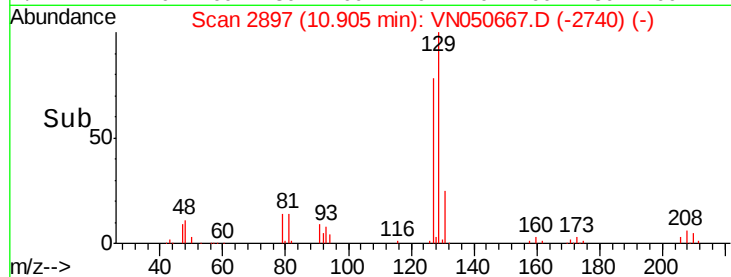
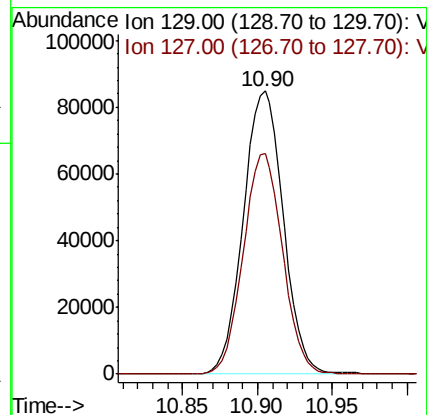
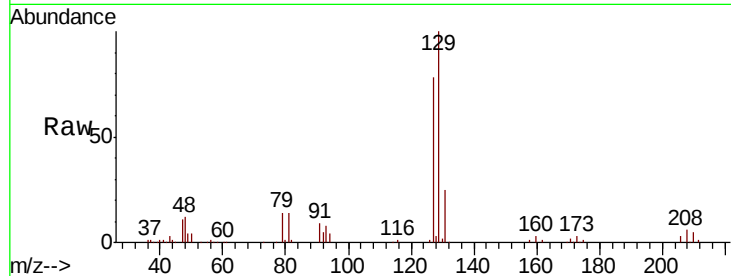
127 76.8 38.1 114.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 19.91 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050667.D

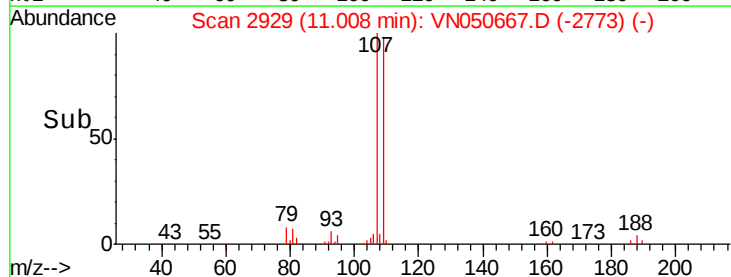
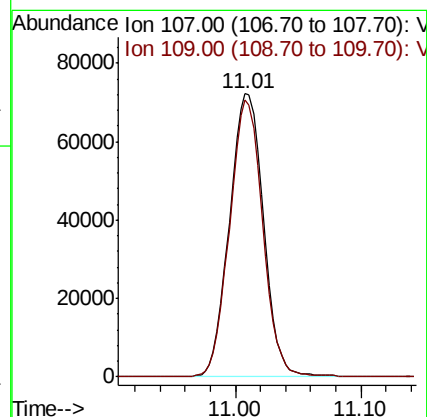
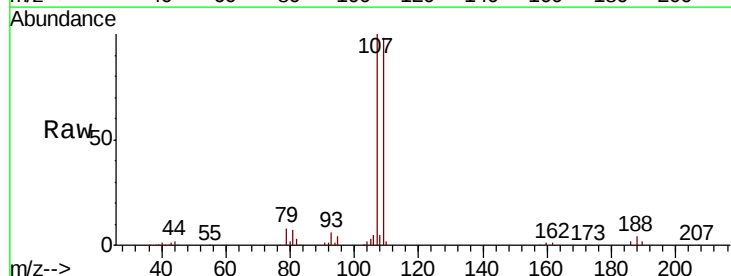
Acq: 15 Aug 2018 20:35

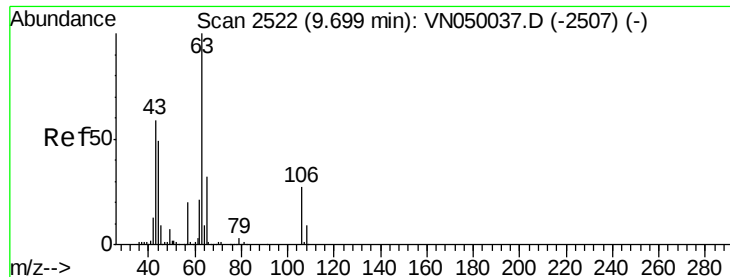
Tgt Ion:107 Resp: 135964

Ion Ratio Lower Upper

107 100

109 95.2 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 102.44 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

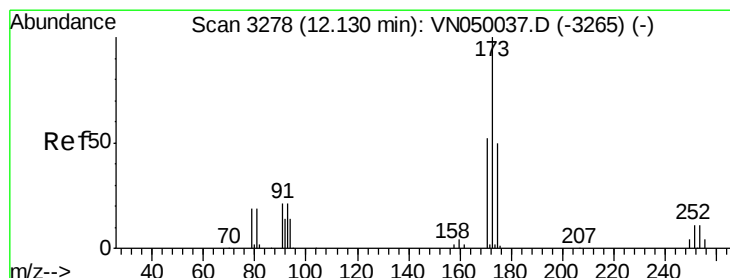
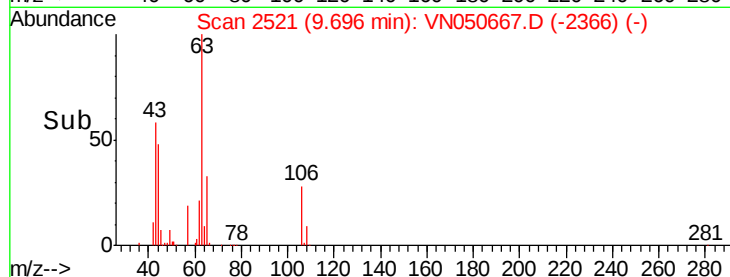
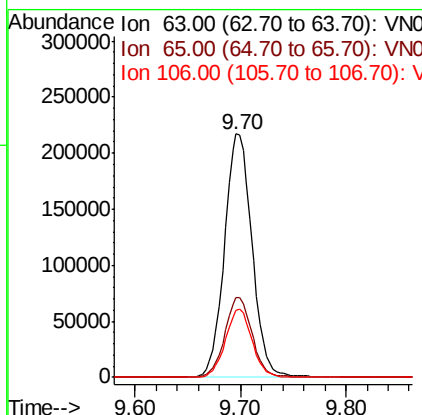
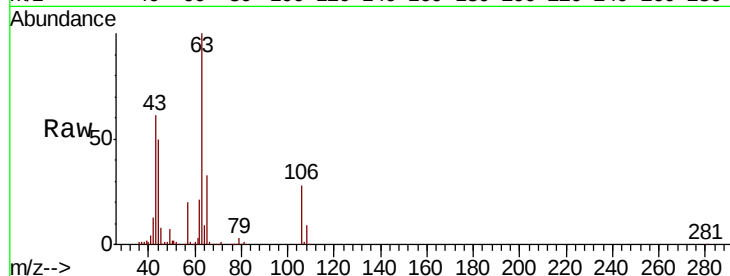
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	392331
Ion Ratio	Lower	Upper	
63	100		
65	32.3	25.5	38.3
106	27.2	21.8	32.6

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#56

Bromoform

Concen: 19.41 ug/l

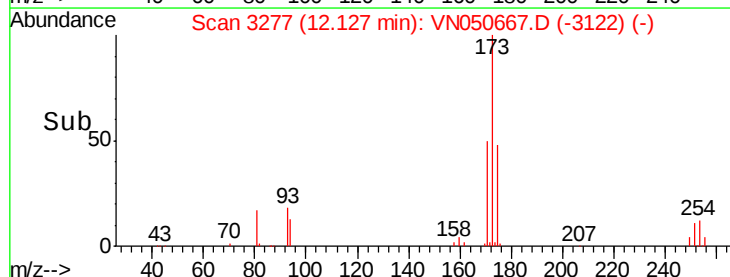
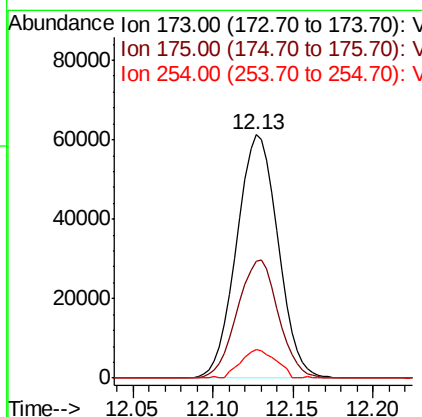
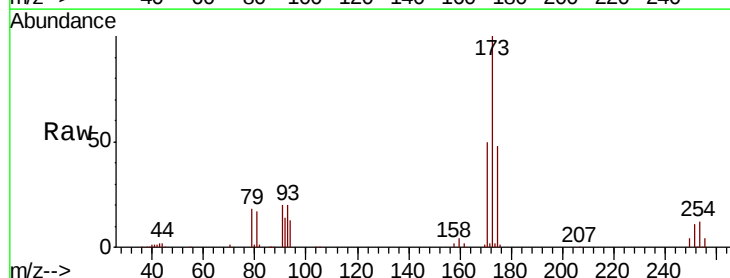
RT: 12.13 min Scan# 3277

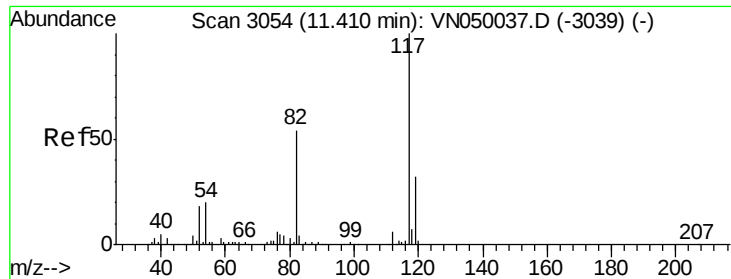
Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Tgt Ion:	173	Resp:	108421
Ion Ratio	Lower	Upper	
173	100		
175	48.3	38.6	57.8
254	9.8	8.8	13.2





#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

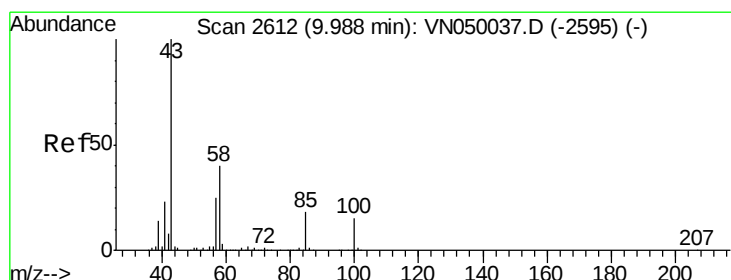
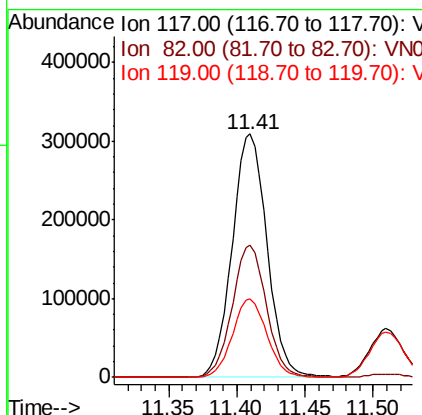
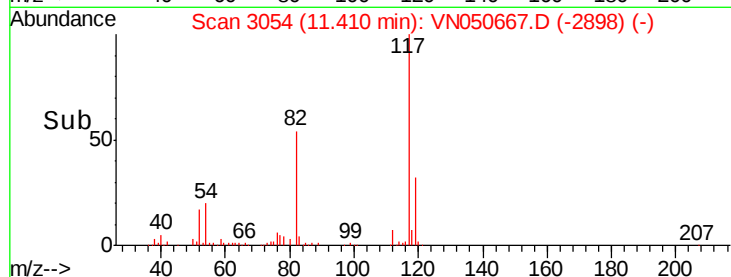
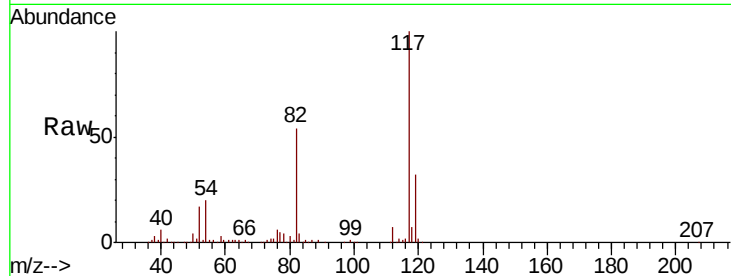
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	548430
Ion Ratio	Lower	Upper	
117	100		
82	53.3	42.4	63.6
119	32.0	25.4	38.0

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#58

4-Methyl-2-Pentanone

Concen: 129.95 ug/l

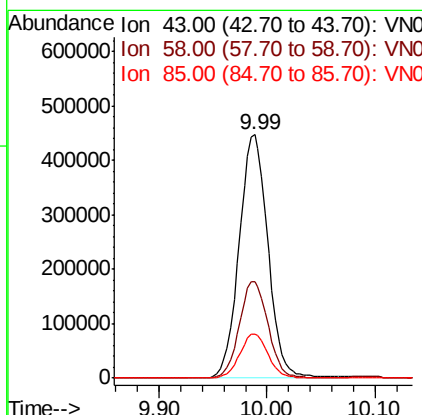
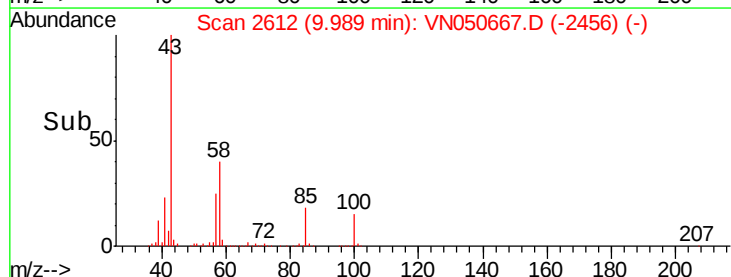
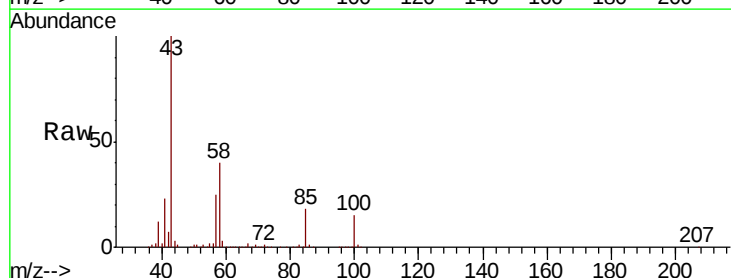
RT: 9.99 min Scan# 2612

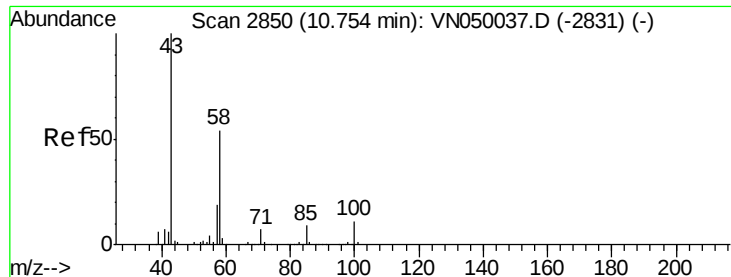
Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Tgt Ion:	43	Resp:	829257
Ion Ratio	Lower	Upper	
43	100		
58	39.6	31.2	46.8
85	17.9	14.4	21.6





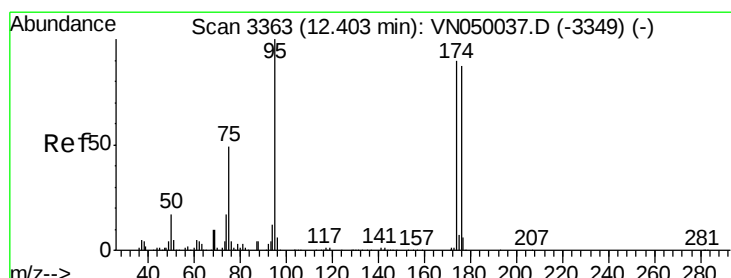
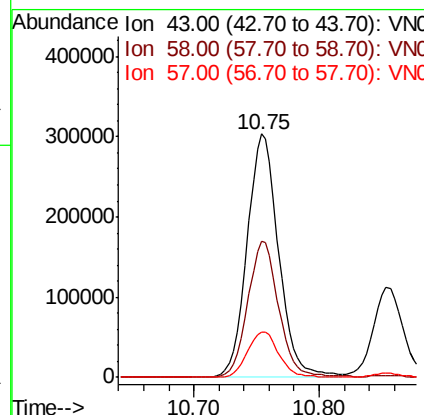
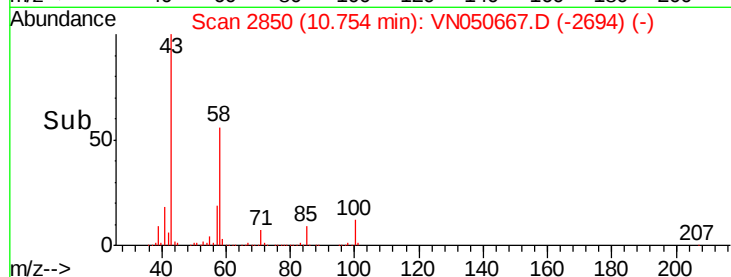
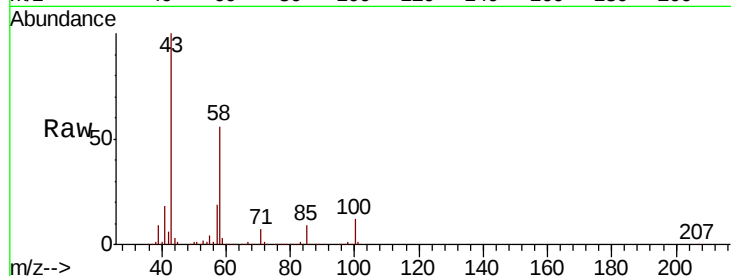
#59
2-Hexanone
Concen: 121.49 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.8	65.8
57	19.0	15.1	22.7

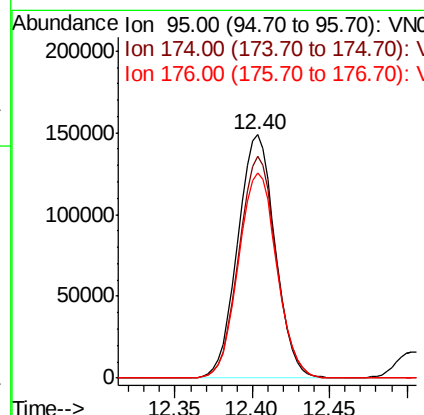
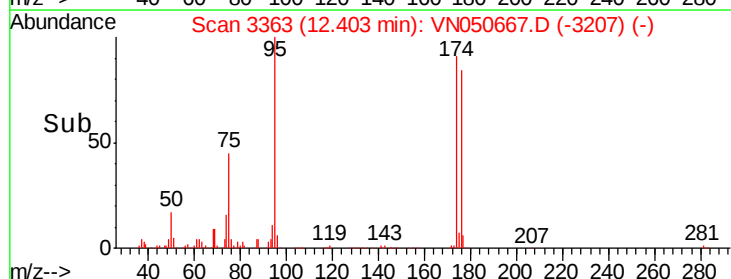
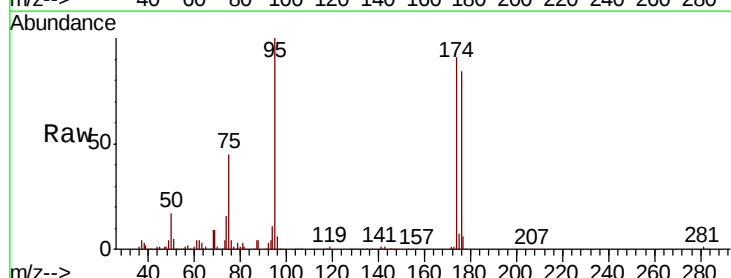
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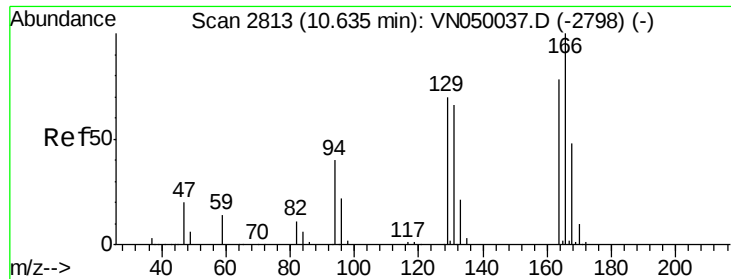
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#60
4-Bromofluorobenzene
Concen: 29.66 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	72.3	108.5
176	86.5	70.0	105.0





#61

Tetrachloroethene

Concen: 20.27 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

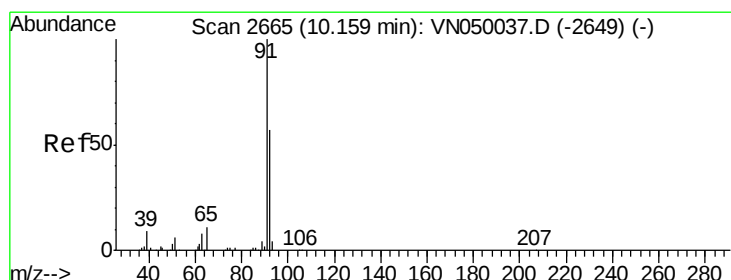
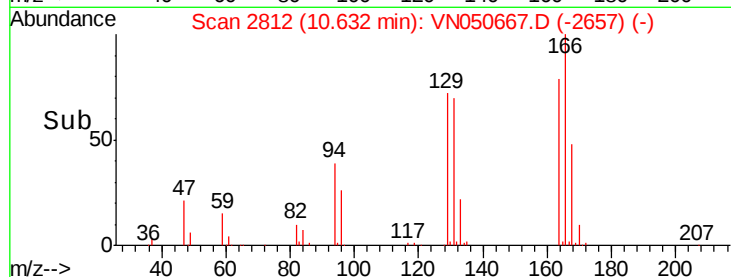
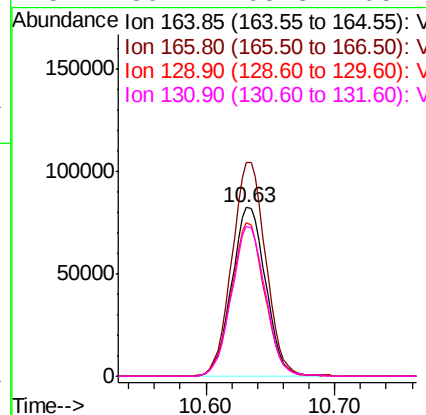
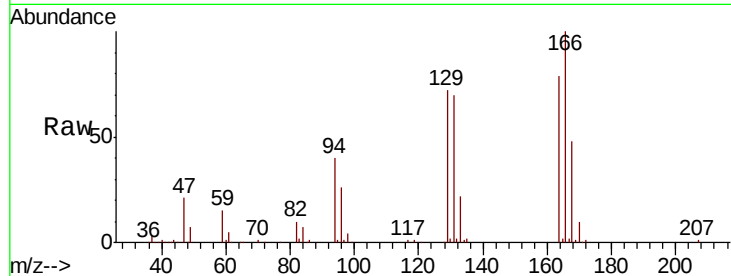
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.4	100.0	150.0
129	91.5	69.3	103.9
131	89.1	68.8	103.2

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#62

Toluene

Concen: 21.22 ug/l

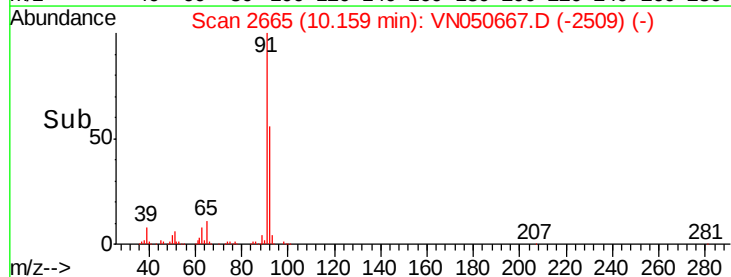
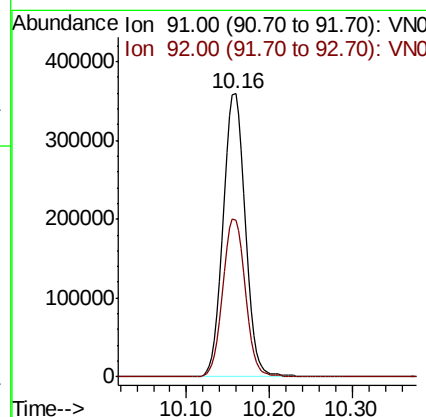
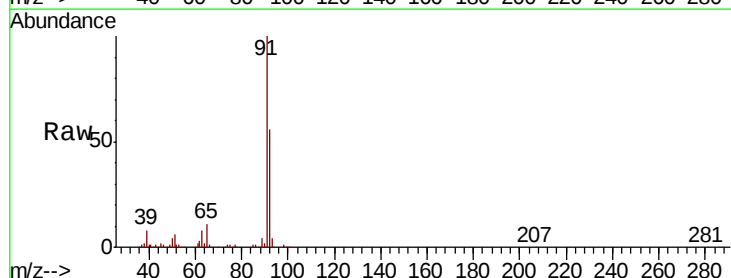
RT: 10.16 min Scan# 2665

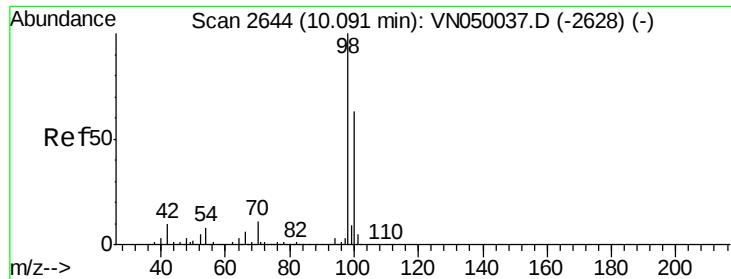
Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	45.7	68.5





#63

Toluene-d8

Concen: 30.81 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 807229

Ion Ratio Lower Upper

98 100

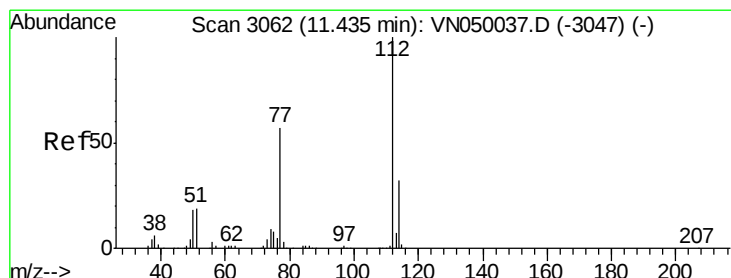
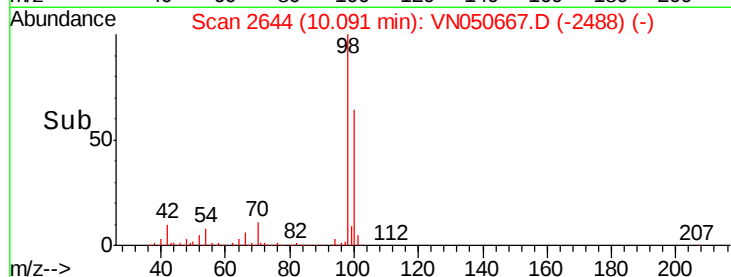
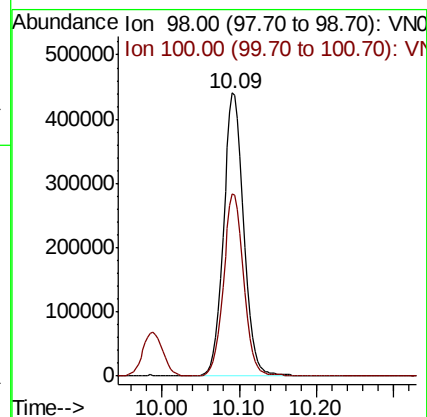
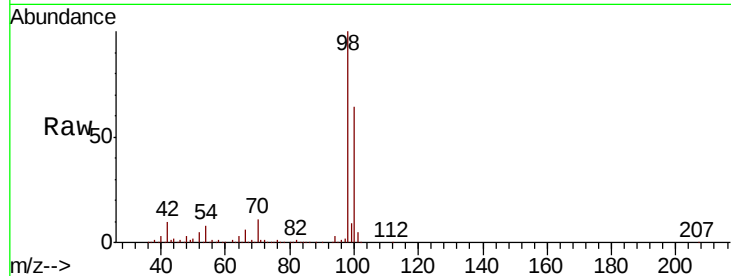
100 63.9 51.2 76.8

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#64

Chlorobenzene

Concen: 20.92 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050667.D

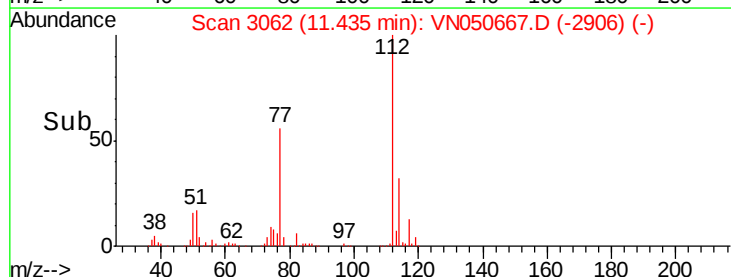
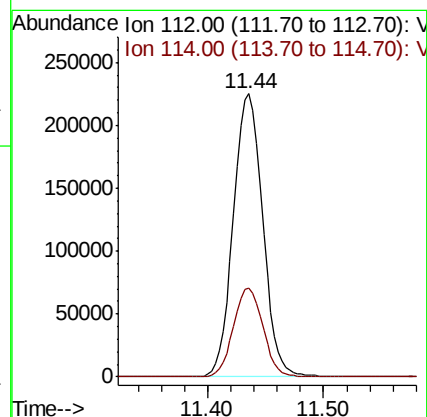
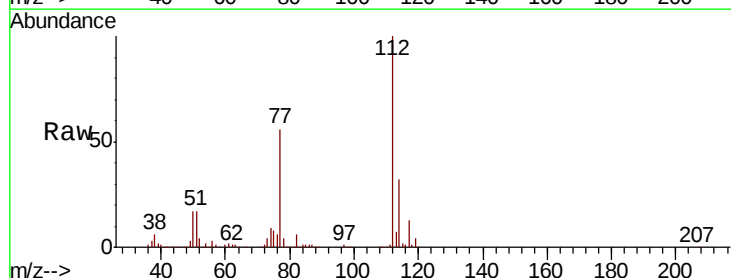
Acq: 15 Aug 2018 20:35

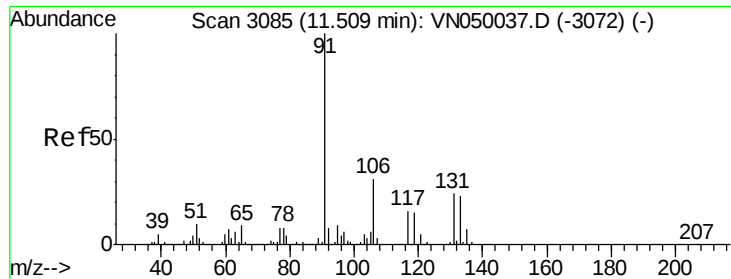
Tgt Ion: 112 Resp: 396918

Ion Ratio Lower Upper

112 100

114 31.5 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.87 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

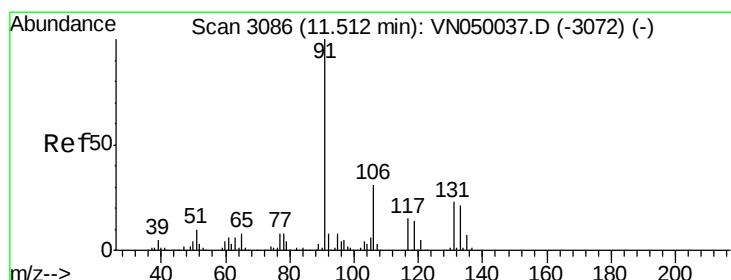
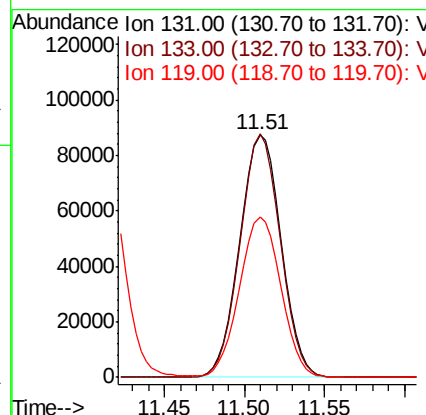
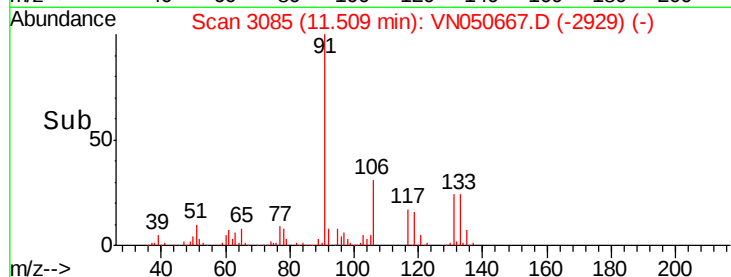
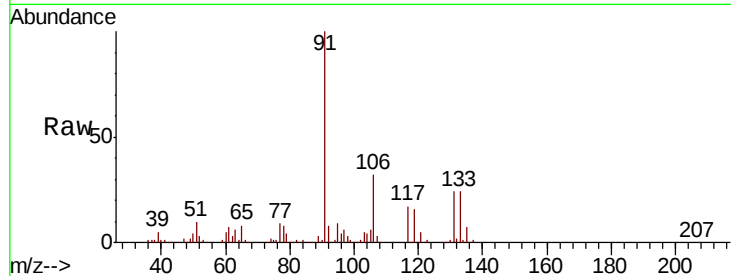
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	154447
Ion Ratio	Lower	Upper	
131	100		
133	97.4	0.0	190.0
119	66.5	0.0	131.6

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#66

Ethyl Benzene

Concen: 20.32 ug/l

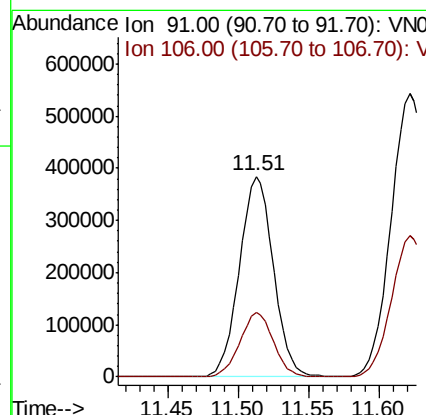
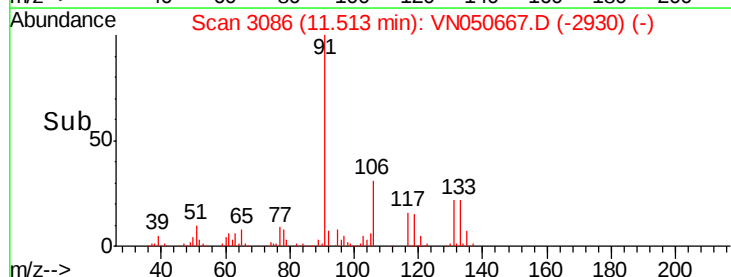
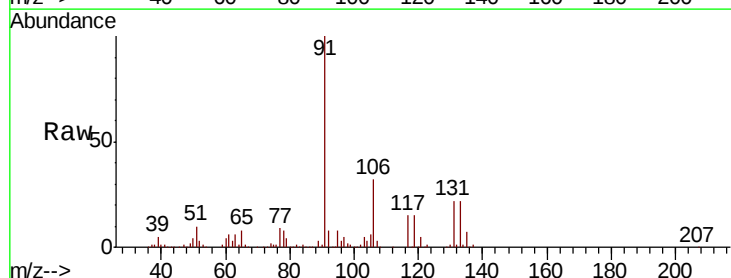
RT: 11.51 min Scan# 3086

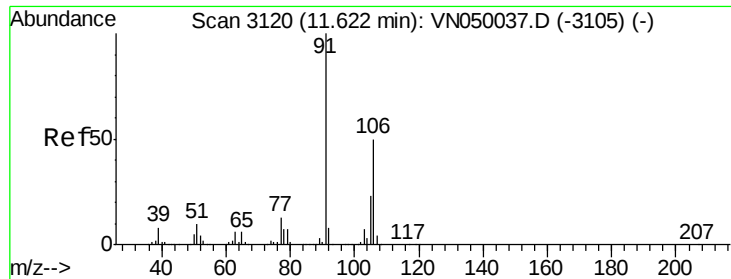
Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Tgt Ion:	91	Resp:	649661
Ion Ratio	Lower	Upper	
91	100		
106	32.0	25.1	37.7





#67

m/p-Xylenes

Concen: 41.94 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 516054

Ion Ratio Lower Upper

106 100

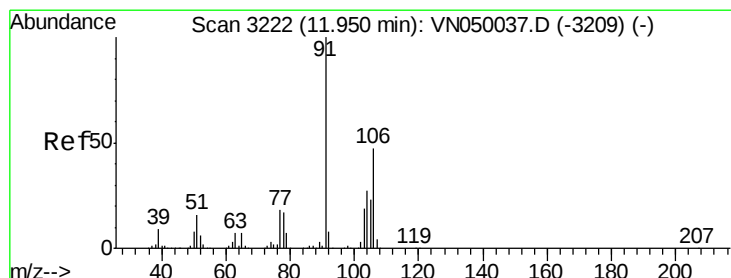
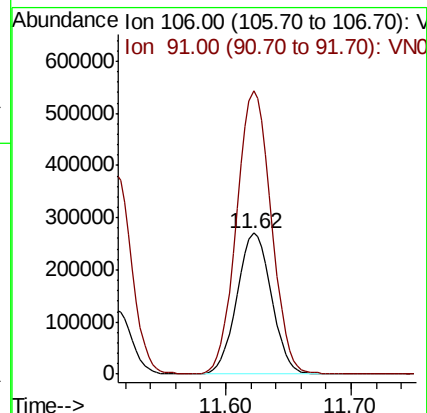
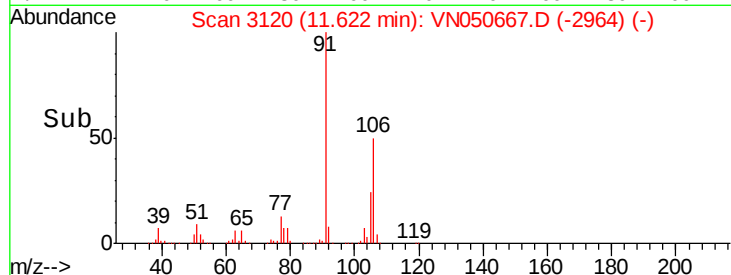
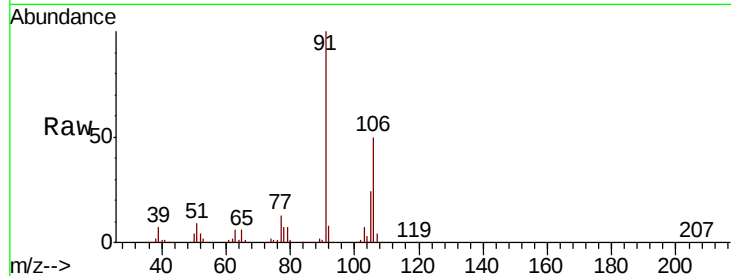
91 202.3 162.5 243.7

Manual Integrations

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#68

o-Xylene

Concen: 20.50 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050667.D

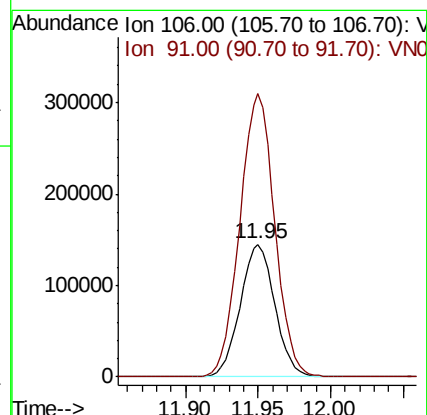
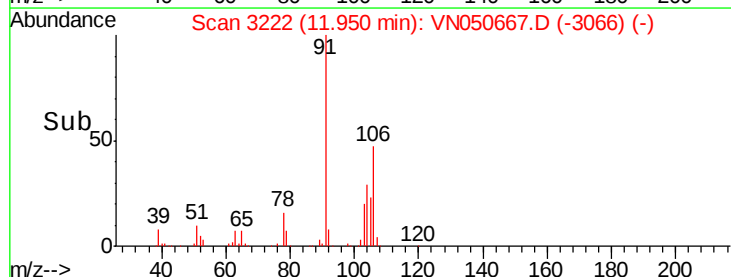
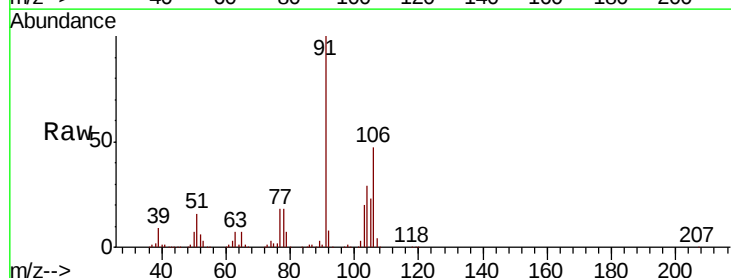
Acq: 15 Aug 2018 20:35

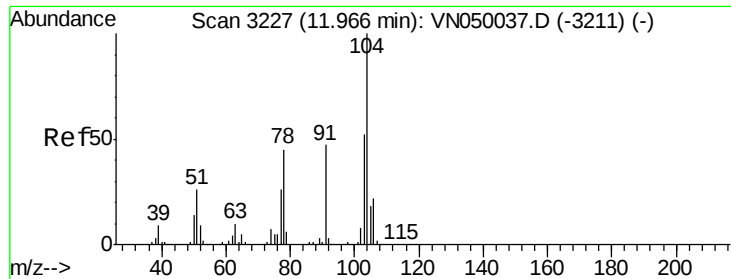
Tgt Ion:106 Resp: 240025

Ion Ratio Lower Upper

106 100

91 215.4 106.8 320.4





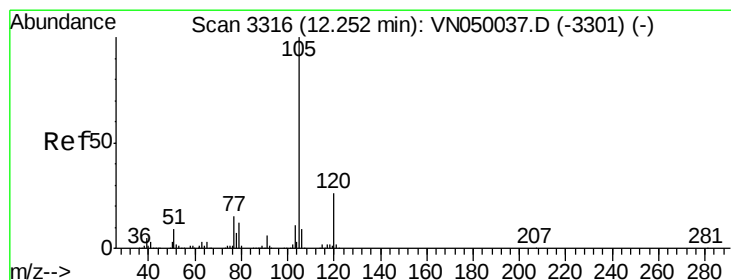
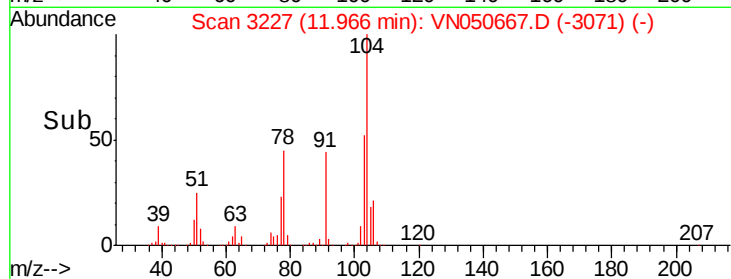
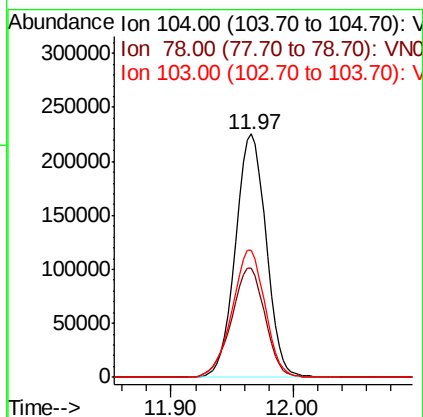
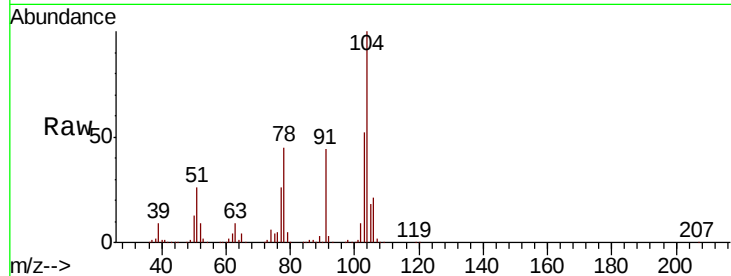
#69
Stvrene
Concen: 20.90 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	392229		
78	49.3		39.3	58.9
103	56.4		44.5	66.7

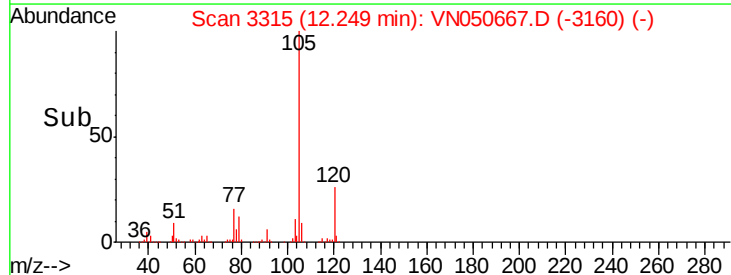
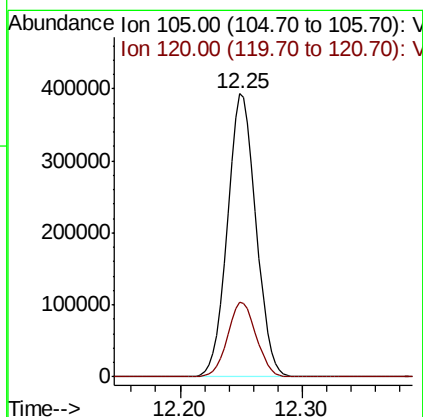
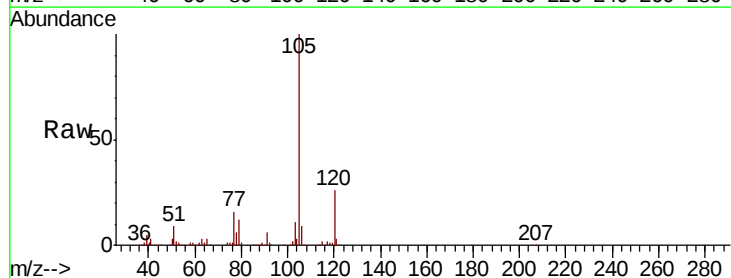
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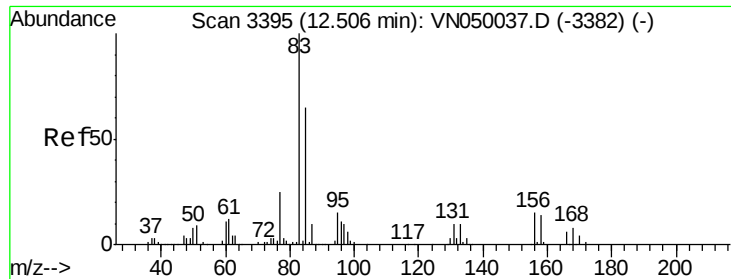
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#70
Isopropylbenzene
Concen: 20.57 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	641296		
120	26.5		18.9	35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 21.00 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

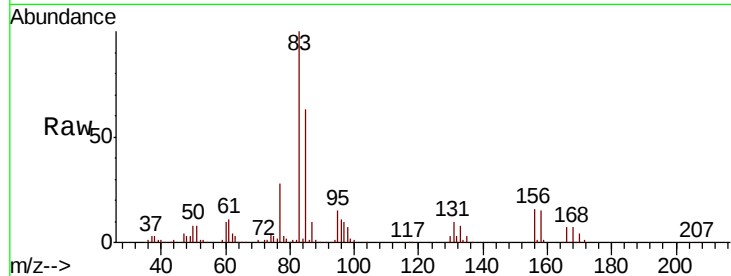
ClientSampleId :

VSTDCCC020

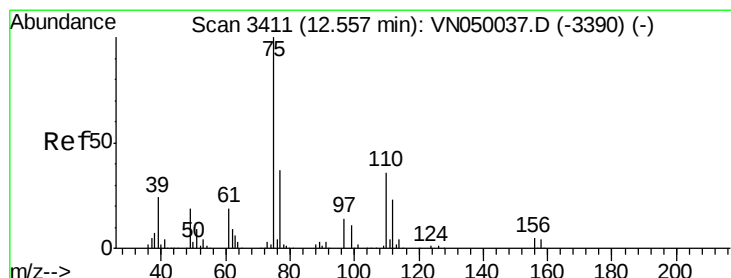
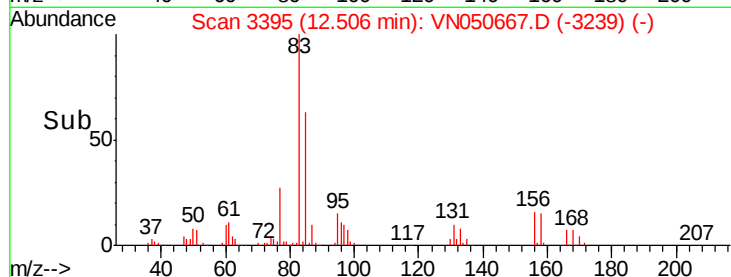
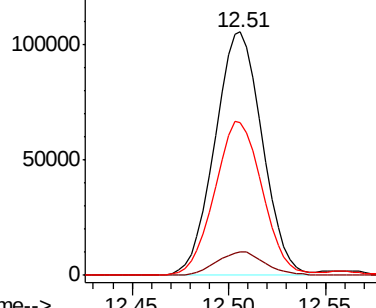
Tot Ion:	83	Resp:	179823
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.2	15.6
85	63.7	31.7	95.1

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Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-3382) (-)



#72

1,2,3-Trichloropropane

Concen: 19.89 ug/l m

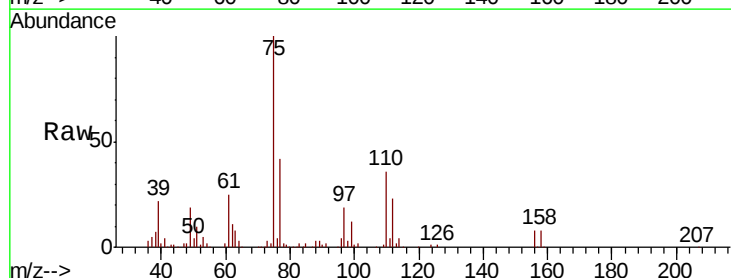
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

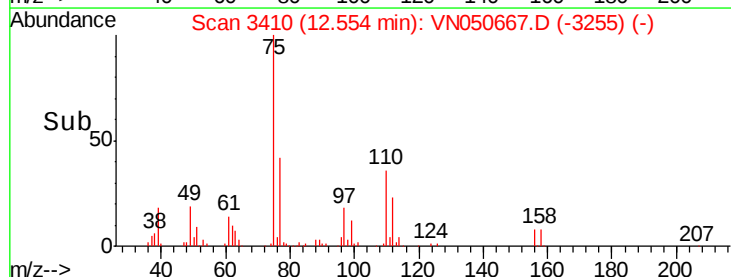
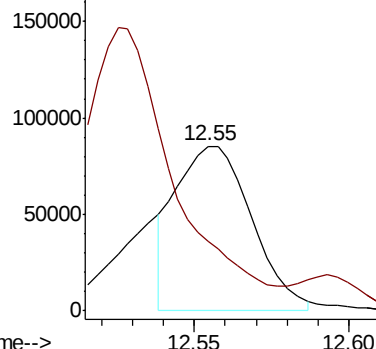
Lab File: VN050667.D

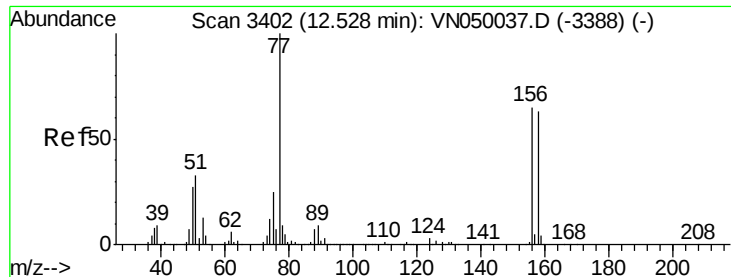
Acq: 15 Aug 2018 20:35

Tgt Ion:	75	Resp:	145467
Ion Ratio	Lower	Upper	
75	100		
77	208.6	0.0	454.4



Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-3390) (-)





#73

Bromobenzene

Concen: 20.17 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

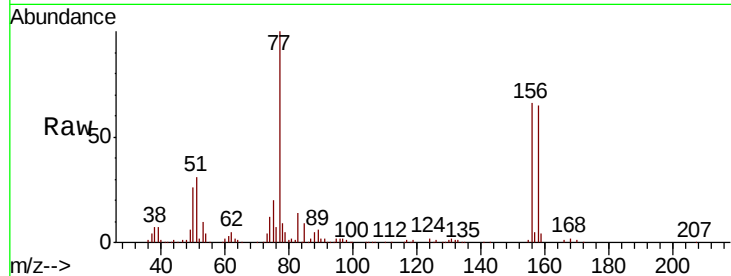
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	167563
Ion Ratio	Lower	Upper	
156	100		
77	181.1	0.0	359.8
158	96.9	0.0	192.8

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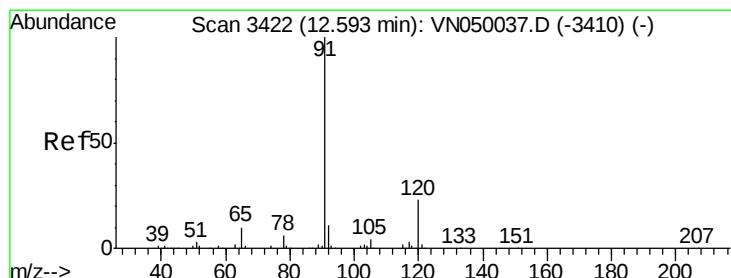
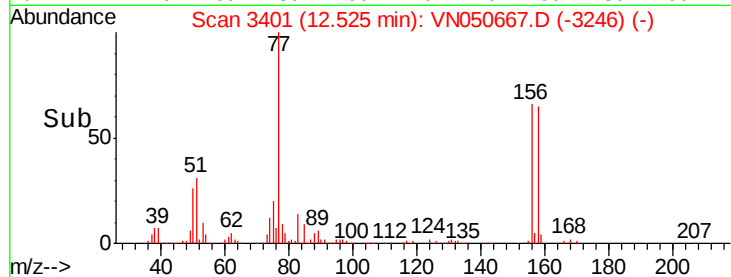
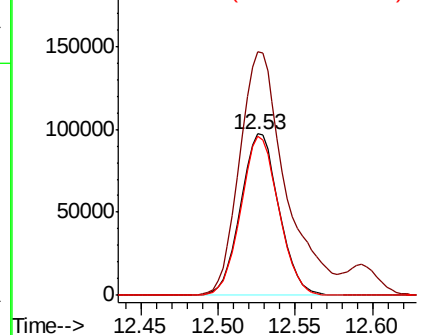
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.90 ug/l

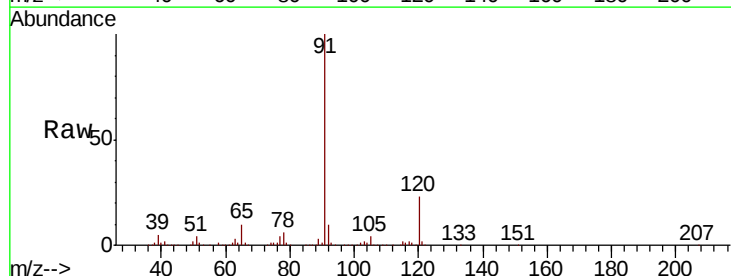
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050667.D

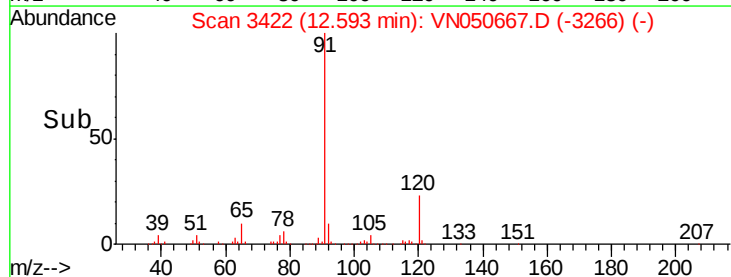
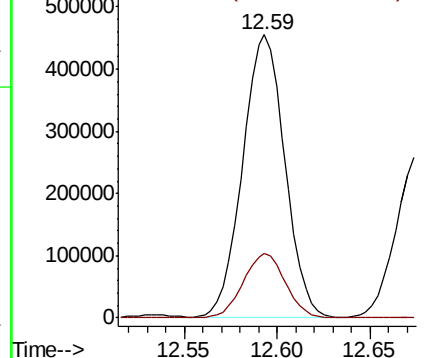
Acq: 15 Aug 2018 20:35

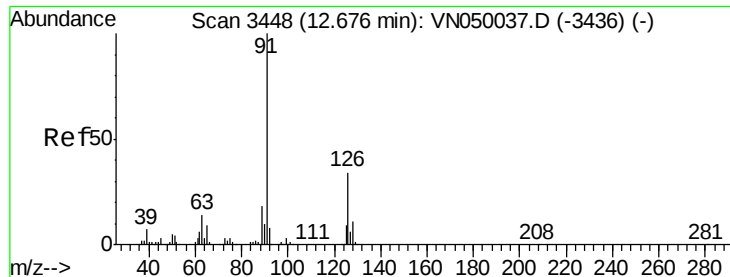
Tgt Ion:	91	Resp:	722870
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.42 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 445361

Ion Ratio Lower Upper

91 100

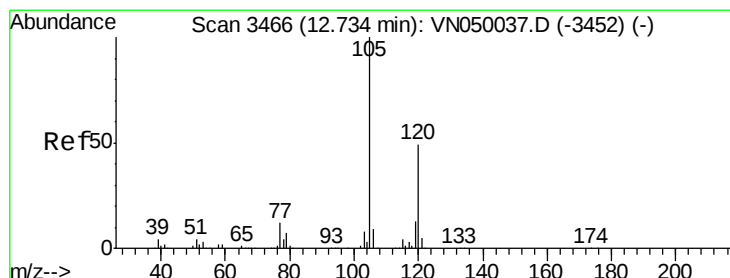
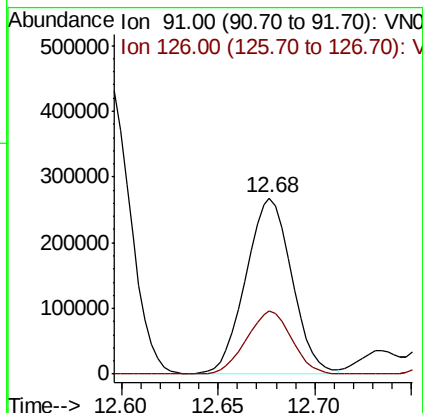
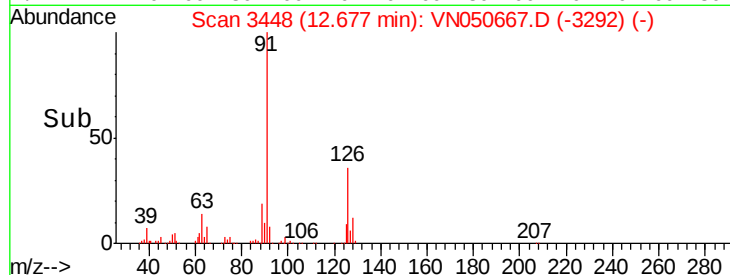
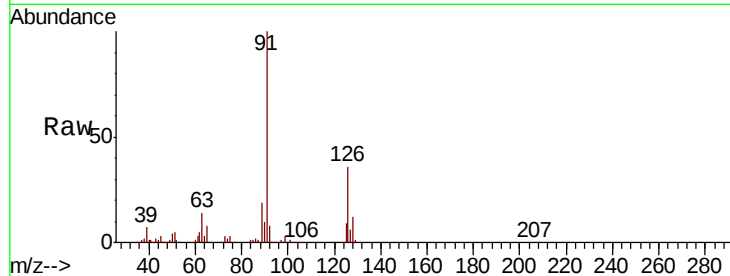
126 35.3 0.0 68.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.64 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050667.D

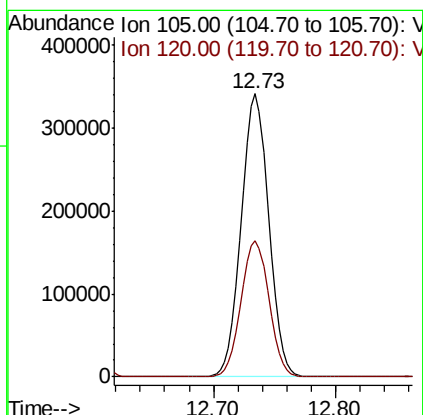
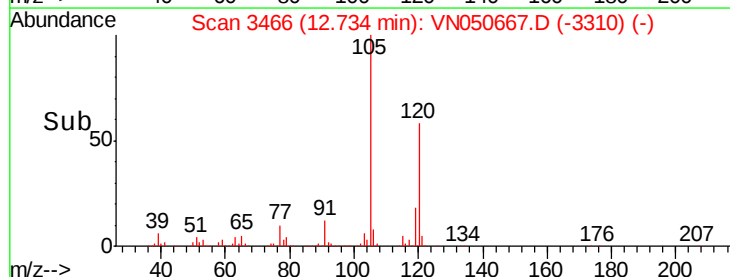
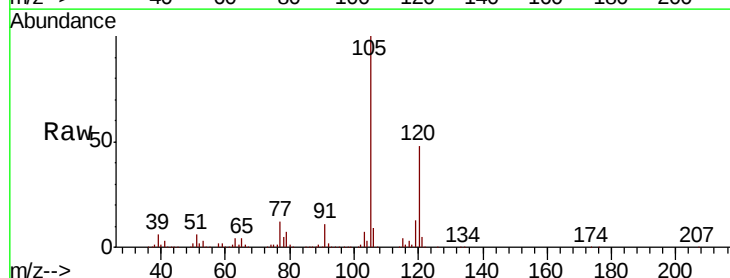
Acq: 15 Aug 2018 20:35

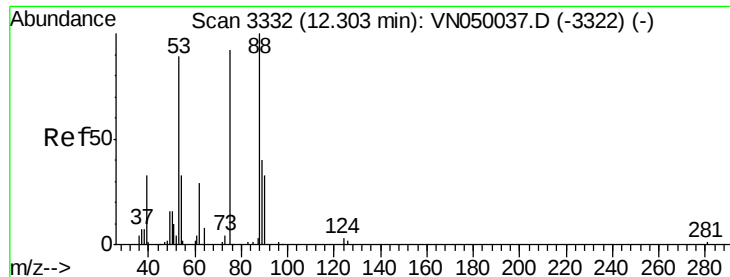
Tgt Ion: 105 Resp: 528661

Ion Ratio Lower Upper

105 100

120 49.3 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 16.33 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

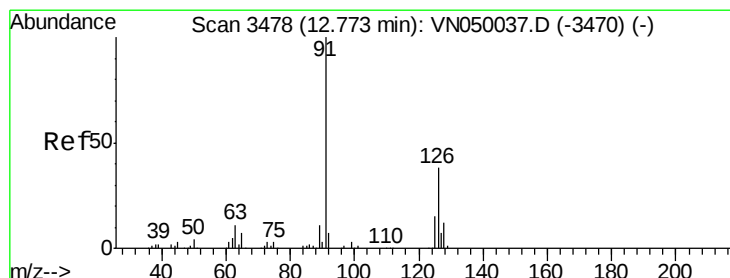
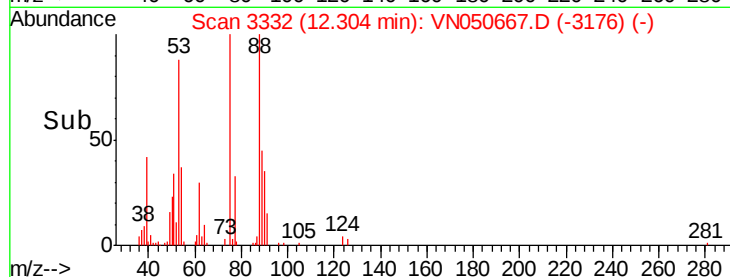
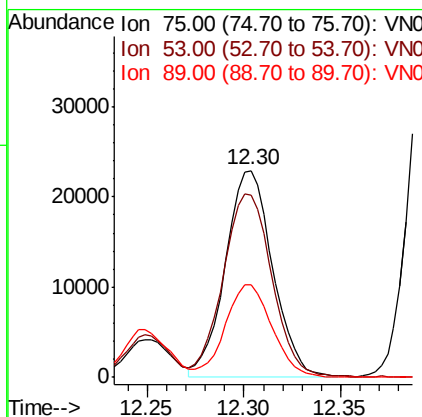
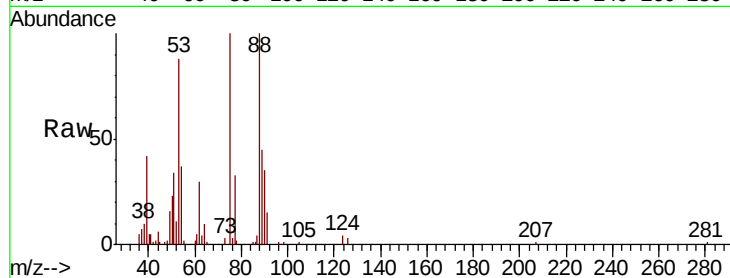
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	39036
Ion	Ratio	Lower	Upper
75	100		
53	88.0	44.6	134.0
89	45.2	20.7	62.1

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#78

4-Chlorotoluene

Concen: 20.22 ug/l

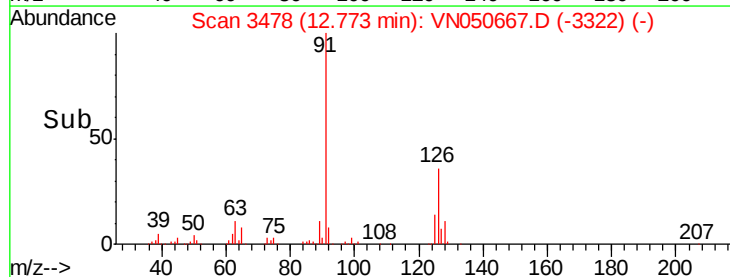
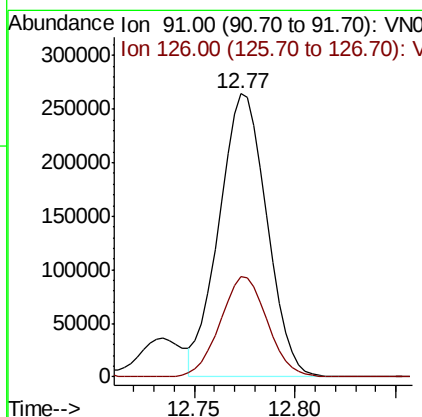
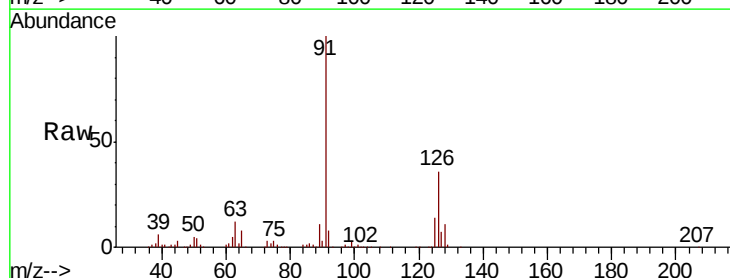
RT: 12.77 min Scan# 3478

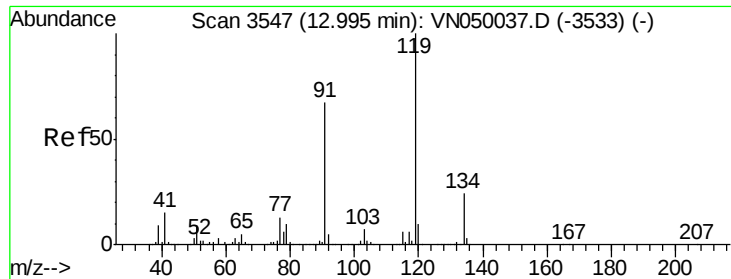
Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Tgt Ion:	91	Resp:	437017
Ion	Ratio	Lower	Upper
91	100		
126	34.9	0.0	68.4





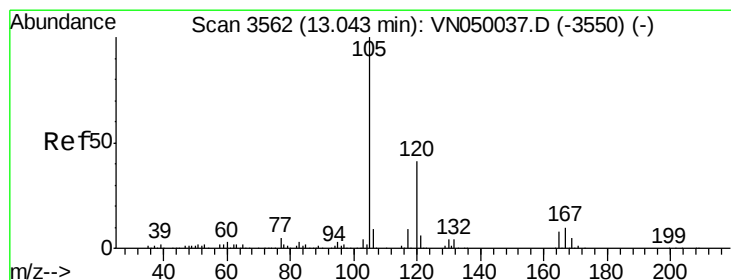
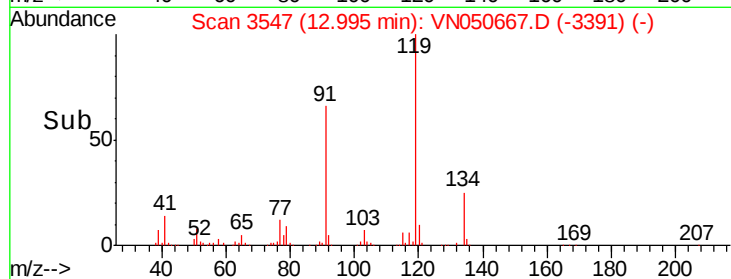
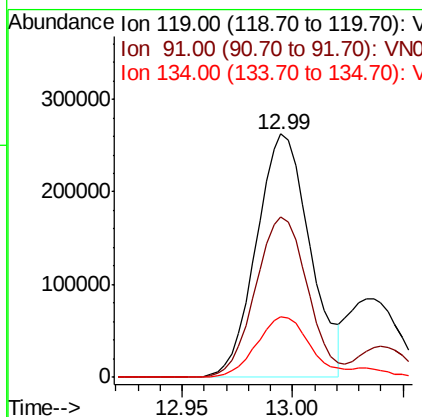
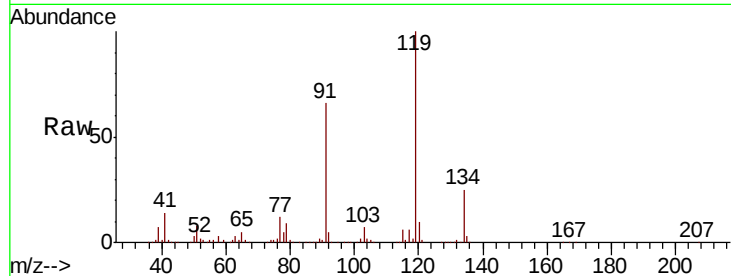
#79
tert-butylbenzene
Concen: 20.20 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	442265		
91	64.4	0.0	126.8	
134	25.0	0.0	47.4	

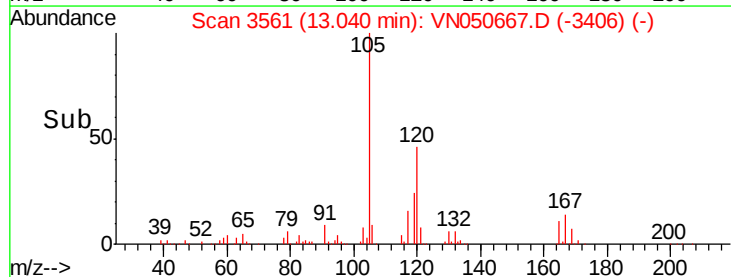
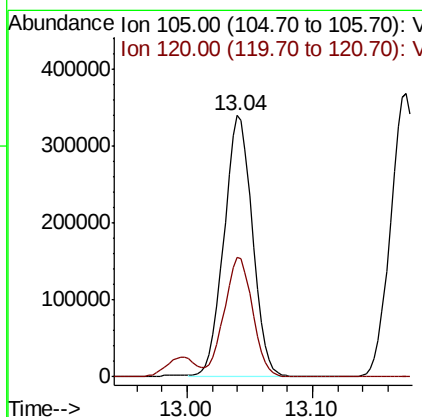
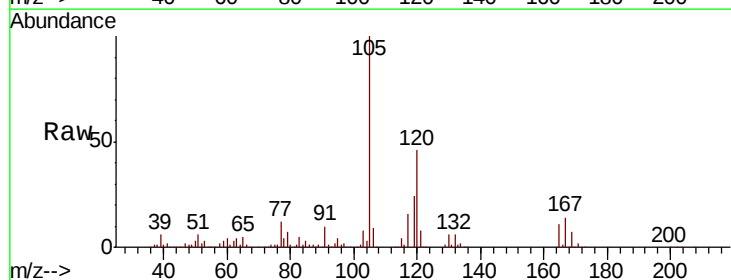
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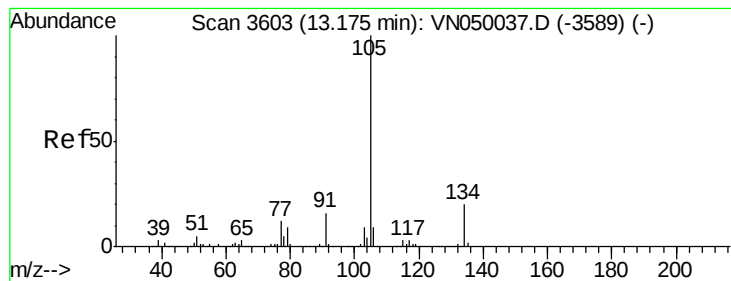
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#80
1,2,4-Trimethylbenzene
Concen: 20.61 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	534711		
120	45.3	0.0	90.6	





#81

sec-Butylbenzene

Concen: 19.73 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 586742

Ion Ratio Lower Upper

105 100

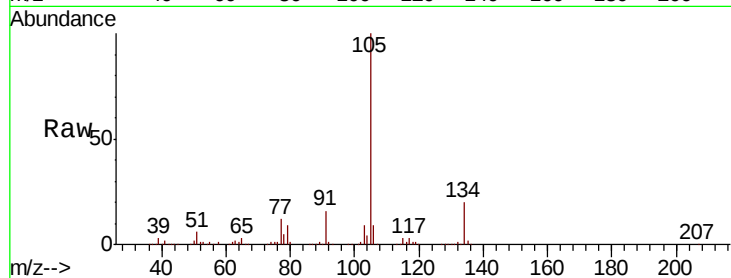
134 20.0 0.0 40.6

Manual Integrations

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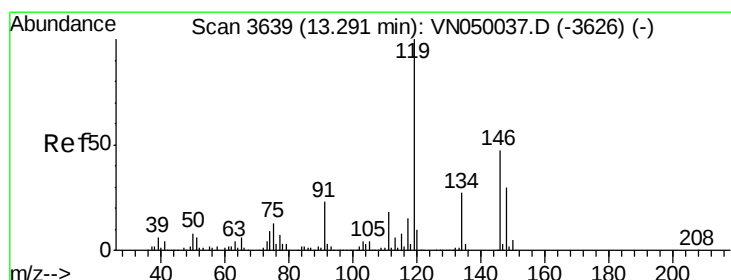
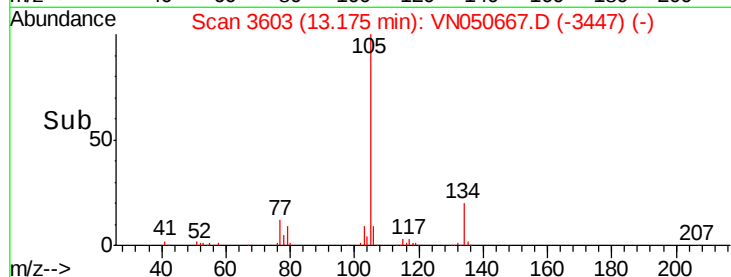
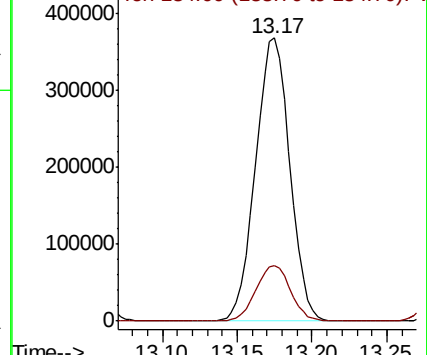
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.46 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050667.D

Acq: 15 Aug 2018 20:35

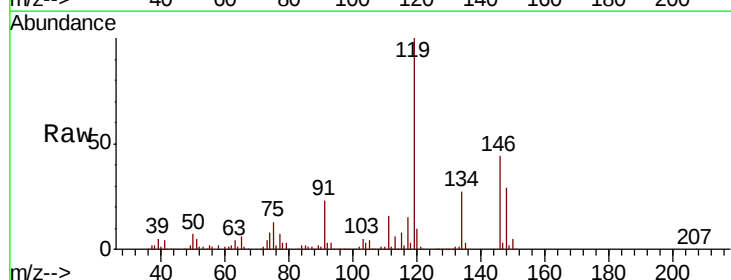
Tgt Ion:119 Resp: 493889

Ion Ratio Lower Upper

119 100

134 27.2 0.0 52.2

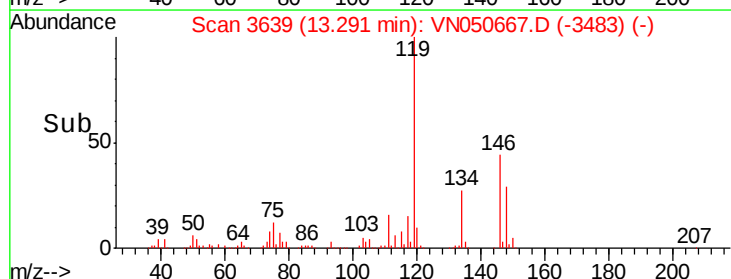
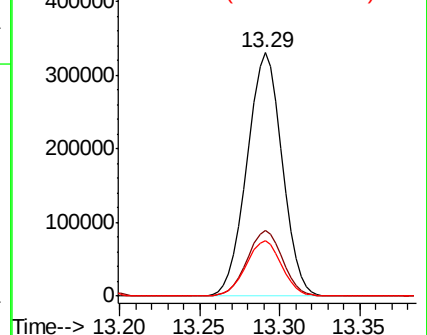
91 22.9 0.0 45.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





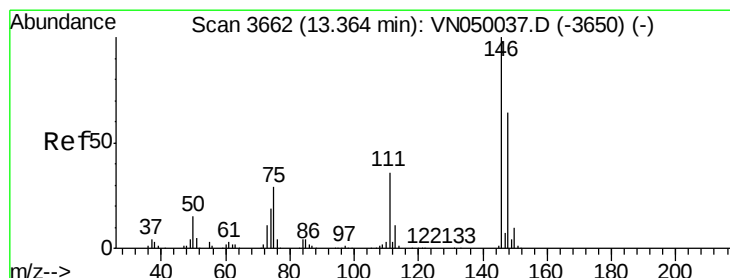
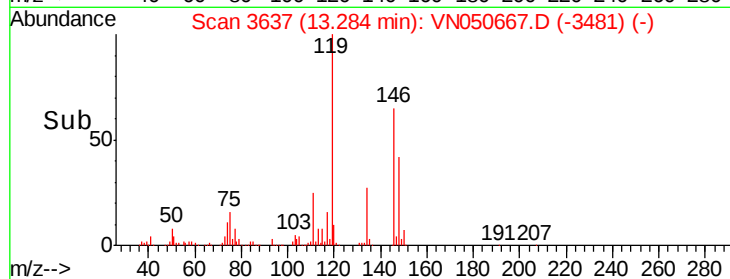
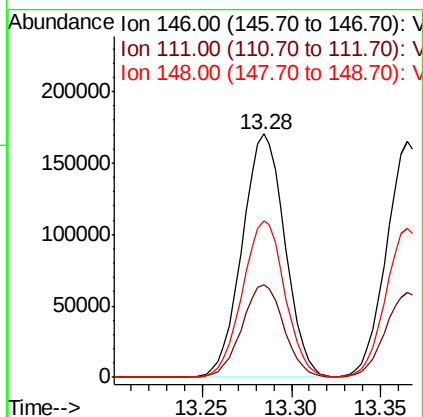
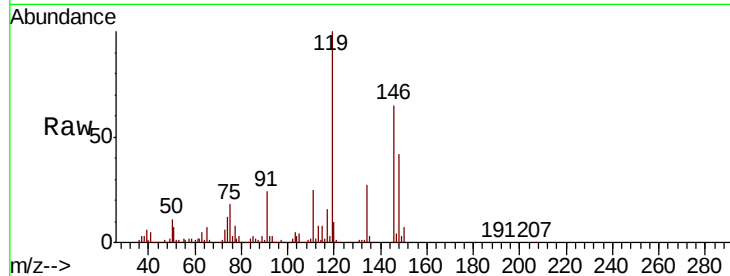
#83
 1,3-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	284799		
111	37.4	19.1	57.1	
148	64.0	31.9	95.9	

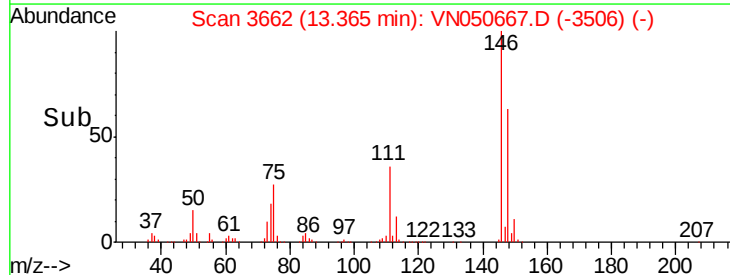
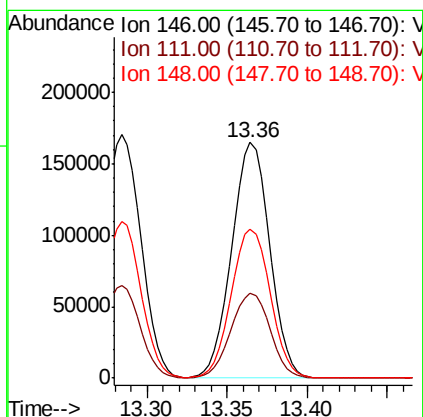
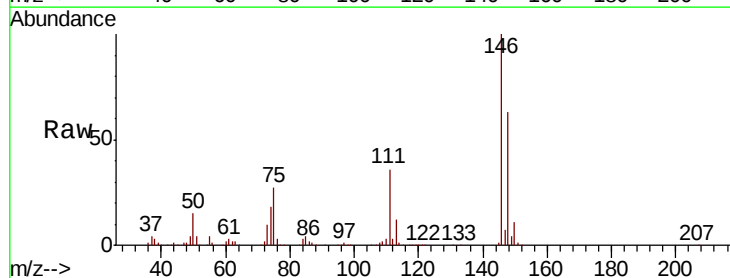
Manual Integrations
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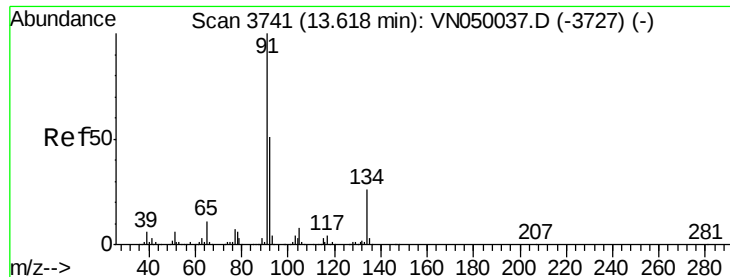
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#84
 1,4-Dichlorobenzene
 Concen: 19.55 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	267173		
111	37.1	17.9	53.8	
148	64.9	32.4	97.0	





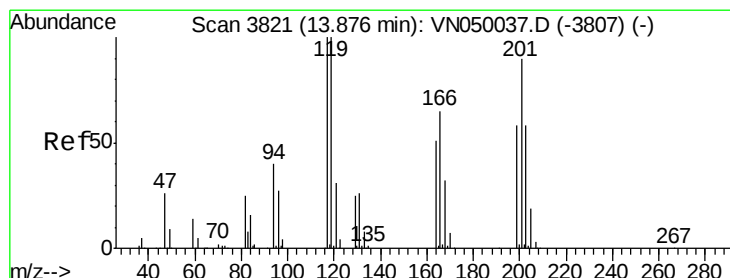
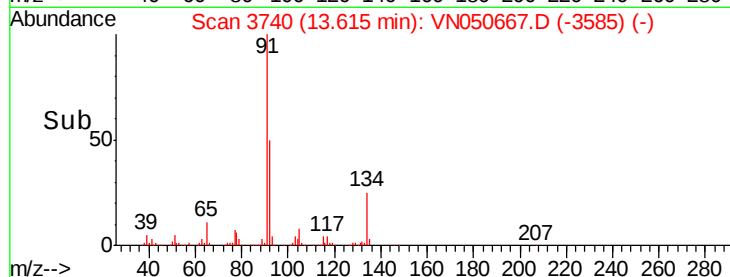
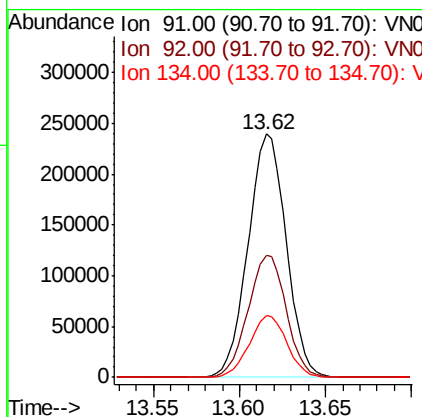
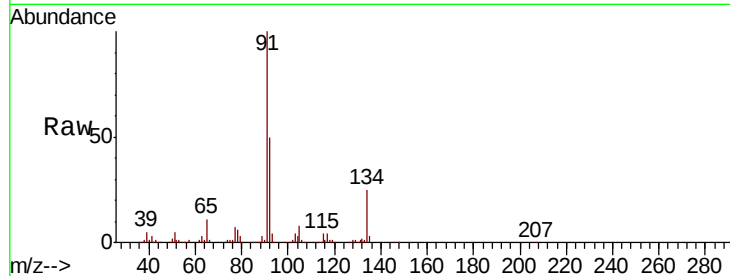
#85
n-Butylbenzene
Concen: 17.86 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	0.0	102.8
134	25.0	0.0	51.0

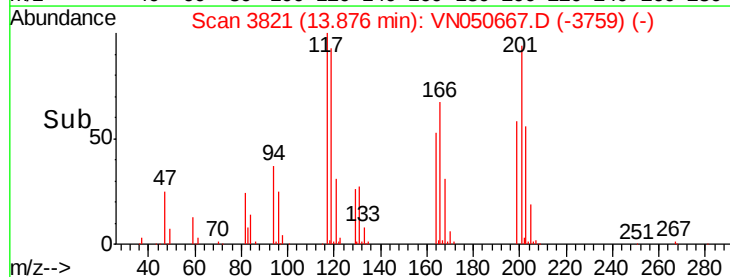
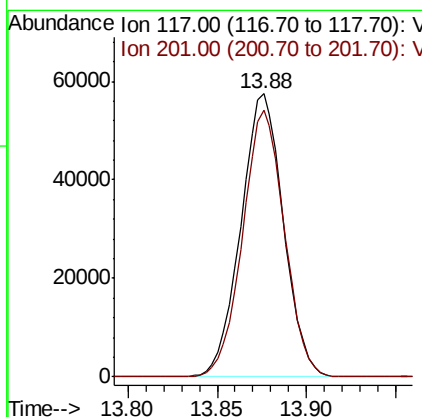
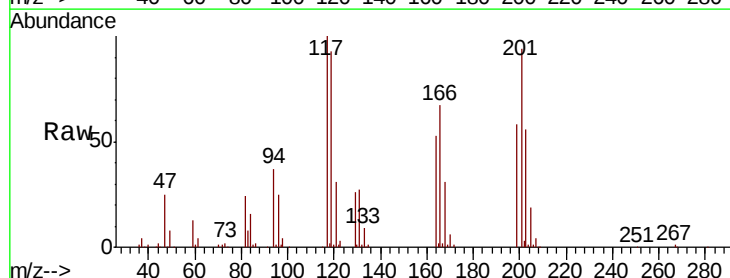
Manual Integrations
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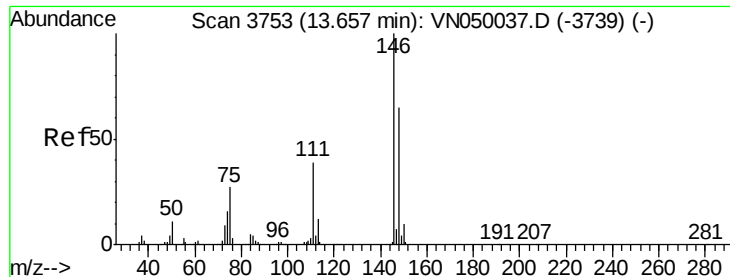
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#86
Hexachloroethane
Concen: 18.86 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.1	46.6	139.7





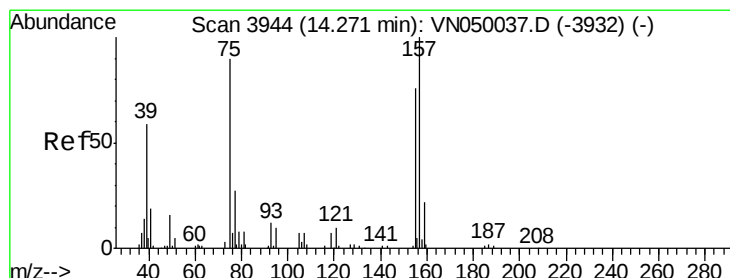
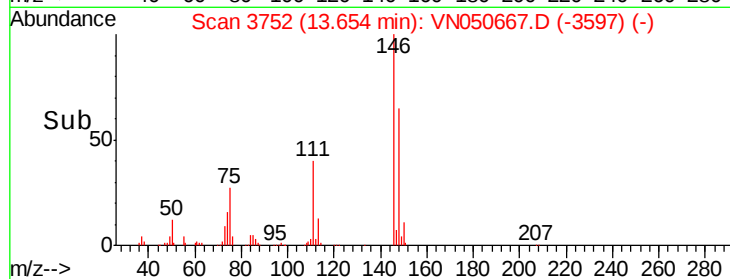
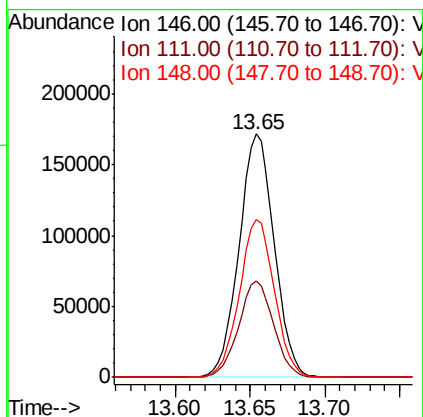
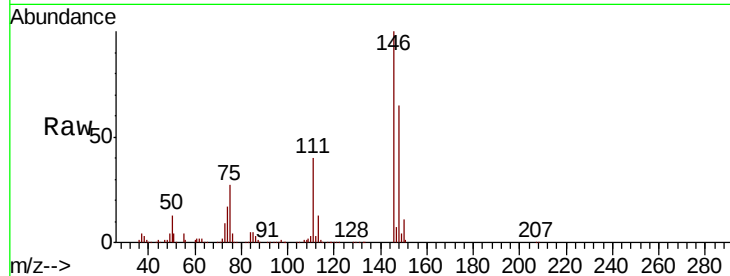
#87
 1,2-Dichlorobenzene
 Concen: 19.87 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	146	Resp:	280907
Ion Ratio		Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.6	31.8	95.3

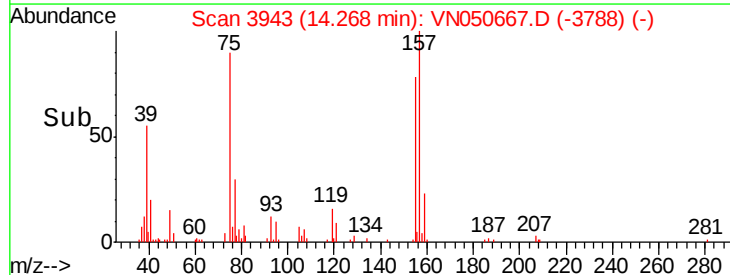
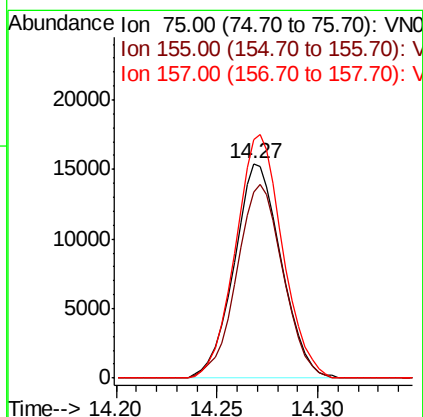
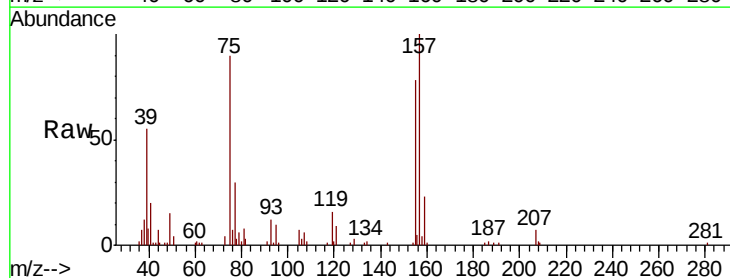
Manual Integrations
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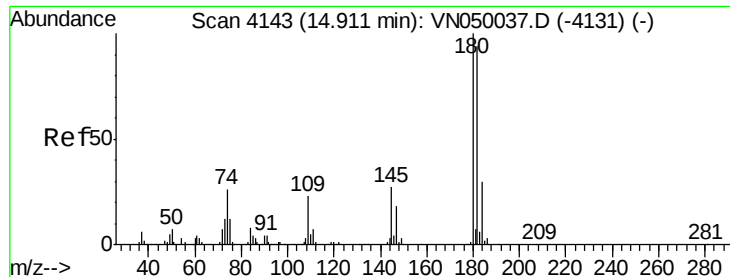
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.85 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion:	75	Resp:	25144
Ion Ratio		Lower	Upper
75	100		
155	88.9	73.0	109.6
157	113.2	94.9	142.3





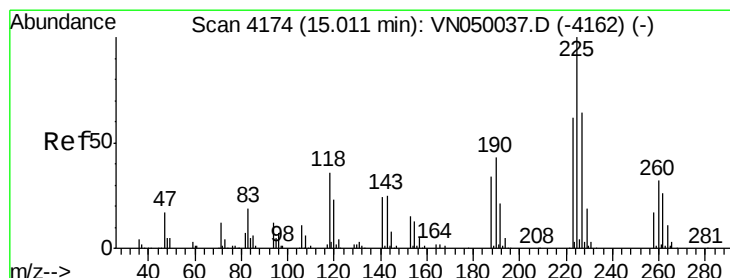
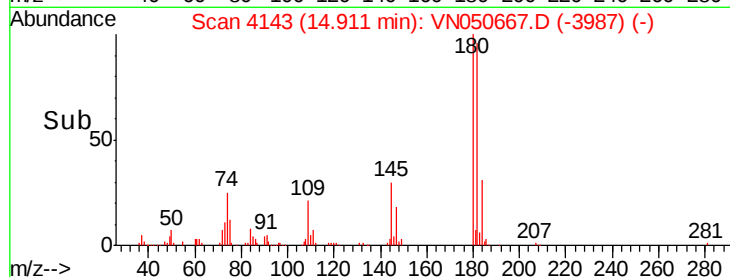
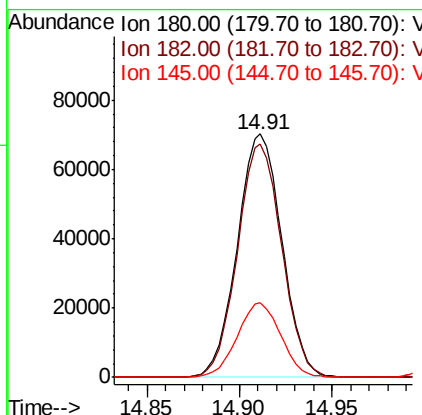
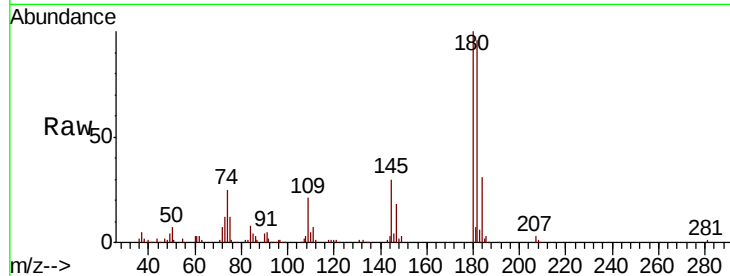
#89
 1,2,4-Trichlorobenzene
 Concen: 17.40 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117497		
182	95.2	76.7	115.1	
145	29.9	23.4	35.0	

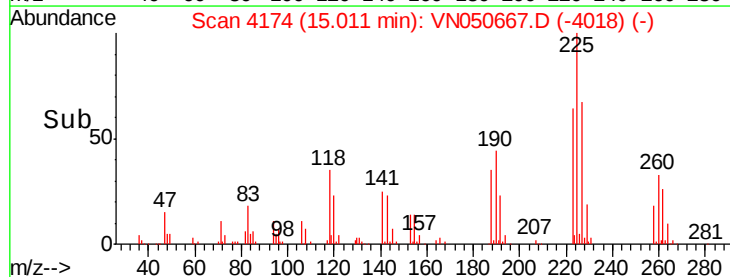
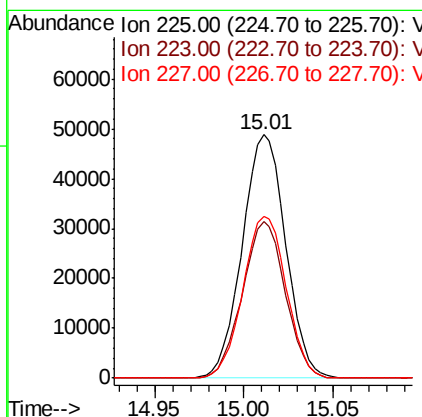
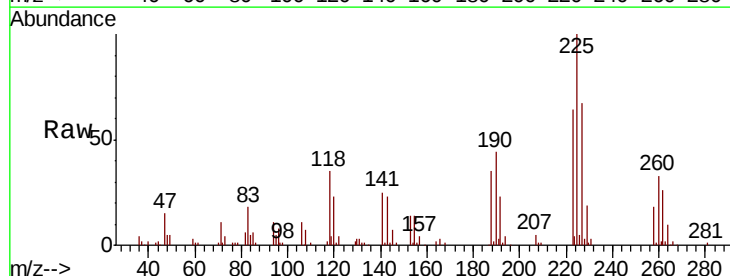
Manual Integrations
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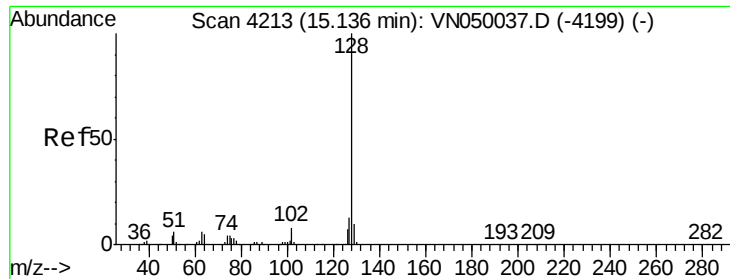
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#90
 Hexachlorobutadiene
 Concen: 18.64 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050667.D
 Acq: 15 Aug 2018 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83000		
223	63.5	0.0	124.4	
227	66.2	0.0	133.0	





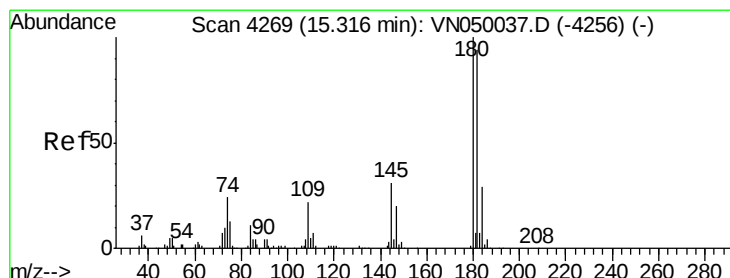
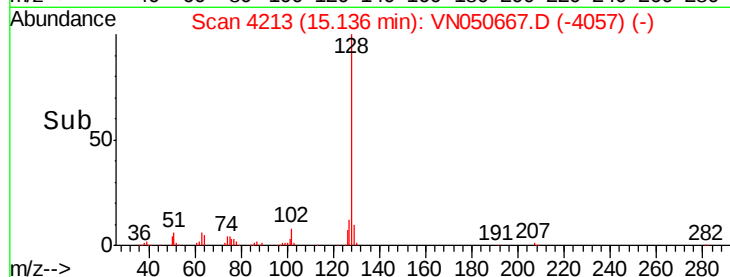
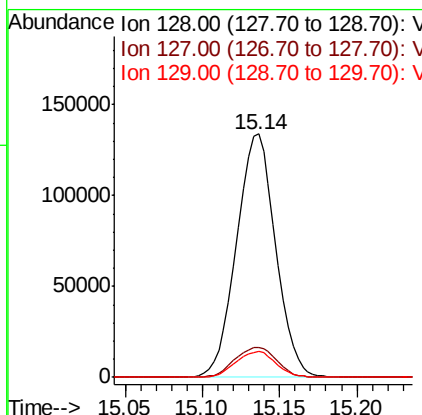
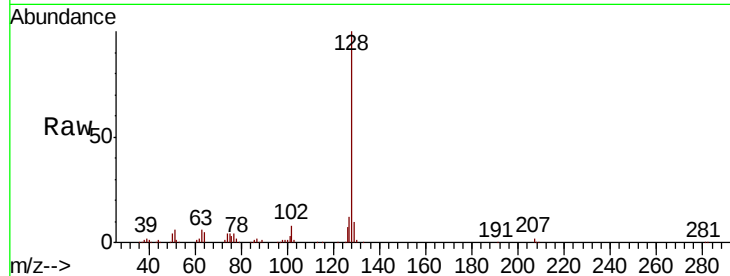
#91
Naphthalene
Concen: 18.75 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		235231		
127	13.2		10.2	15.4	
129	10.9		9.0	13.4	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.70 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050667.D
Acq: 15 Aug 2018 20:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		121560		
182	95.3		0.0	188.8	
145	29.7		0.0	60.8	

