

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051215.D
 Acq On : 15 Sep 2018 10:43
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 9/18/2018 4:31:26 PM

Quant Time: Sep 17 02:28:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	671270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	924620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	833965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	422395	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	313390	41.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.90%	
35) Dibromofluoromethane	7.59	113	314760	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
50) Toluene-d8	10.09	98	1169293	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
62) 4-Bromofluorobenzene	12.40	95	387961	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	302853	46.78	ug/l	98
3) Chloromethane	2.06	50	390398	46.66	ug/l	98
4) Vinyl Chloride	2.18	62	390070	43.90	ug/l	98
5) Bromomethane	2.56	94	218297	43.41	ug/l	100
6) Chloroethane	2.70	64	234573	42.77	ug/l	99
7) Trichlorofluoromethane	3.01	101	533540	45.31	ug/l	99
8) Diethyl Ether	3.41	74	183003	42.26	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	338825	44.64	ug/l	99
10) Methyl Iodide	3.95	142	282676	40.97	ug/l	98
11) Tert butyl alcohol	4.79	59	87345	153.08	ug/l	99
12) 1,1-Dichloroethene	3.73	96	311065	43.44	ug/l	99
13) Acrolein	3.61	56	158083	229.22	ug/l	97
14) Allyl chloride	4.32	41	474814	43.52	ug/l	100
15) Acrylonitrile	4.99	53	499767	197.67	ug/l	99
16) Acetone	3.82	43	519908	282.23	ug/l	99
17) Carbon Disulfide	4.05	76	948333	44.95	ug/l	99
18) Methyl Acetate	4.33	43	226122	37.80	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	794341	41.97	ug/l	99
20) Methylene Chloride	4.55	84	351057	42.54	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	335413	43.19	ug/l	100
22) Diisopropyl ether	5.95	45	968634	44.73	ug/l	96
23) Vinyl Acetate	5.90	43	3197806	218.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	596542	43.42	ug/l	99
25) 2-Butanone	6.84	43	617909	210.38	ug/l	99
26) 2,2-Dichloropropane	6.82	77	498327	44.31	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	370838	43.52	ug/l	100
28) Bromochloromethane	7.19	49	253521	41.46	ug/l	99
29) Tetrahydrofuran	7.21	42	350658	191.19	ug/l	99
30) Chloroform	7.37	83	603064	44.12	ug/l	100
31) Cyclohexane	7.65	56	551056	44.96	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	516395	44.34	ug/l	99
36) 1,1-Dichloropropene	7.79	75	471304	46.43	ug/l	100
37) Ethyl Acetate	6.93	43	242164	41.19	ug/l	99
38) Carbon Tetrachloride	7.77	117	474987	47.54	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	554914	49.54	ug/l	100
40) Benzene	8.04	78	1410951	46.12	ug/l	99
41) Methacrylonitrile	7.17	41	123003	40.55	ug/l	97
42) 1,2-Dichloroethane	8.12	62	405023	45.43	ug/l	99
43) Isopropyl Acetate	8.16	43	442882	42.69	ug/l #	88
44) Trichloroethene	8.83	130	383086	45.79	ug/l	99
45) 1,2-Dichloropropane	9.12	63	358648	45.37	ug/l	98
46) Dibromomethane	9.21	93	210203	43.59	ug/l	100
47) Bromodichloromethane	9.40	83	459963	46.91	ug/l	98
48) Methyl methacrylate	9.20	41	216828	42.89	ug/l	99
49) 1,4-Dioxane	9.20	88	55192	696.20	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1174526	204.73	ug/l	100
52) Toluene	10.16	92	883143	47.35	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	457233	46.59	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	545285	47.39	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	303810	44.84	ug/l	100
56) Ethyl methacrylate	10.43	69	367759	40.91	ug/l	100
57) 1,3-Dichloropropane	10.71	76	501229	44.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	731123	194.85	ug/l	99
59) 2-Hexanone	10.75	43	839917	215.88	ug/l	99
60) Dibromochloromethane	10.90	129	358369	46.92	ug/l	99
61) 1,2-Dibromoethane	11.01	107	298312	45.04	ug/l	100
64) Tetrachloroethene	10.63	164	353959	46.51	ug/l	99
65) Chlorobenzene	11.43	112	960570	45.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	360740	47.66	ug/l	99
67) Ethyl Benzene	11.51	91	1650702	48.49	ug/l	100
68) m/p-Xylenes	11.62	106	1296863	99.15	ug/l	99
69) o-Xylene	11.95	106	614966	48.55	ug/l	99
70) Styrene	11.96	104	980135	49.88	ug/l	99
71) Bromoform	12.13	173	240922	45.21	ug/l #	100
73) Isopropylbenzene	12.25	105	1632169	46.08	ug/l	100
74) N-amyl acetate	12.07	43	339749	38.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	359772	44.08	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	297531m	45.29	ug/l	
77) Bromobenzene	12.53	156	413755	43.49	ug/l	97
78) n-propylbenzene	12.59	91	1829512	46.99	ug/l	100
79) 2-Chlorotoluene	12.67	91	1090120	44.79	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1346496	47.02	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90308	40.60	ug/l	100
82) 4-Chlorotoluene	12.77	91	1080716	44.74	ug/l	100
83) tert-Butylbenzene	12.99	119	1167566	46.18	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1369354	48.63	ug/l	100
85) sec-Butylbenzene	13.17	105	1528608	47.14	ug/l	100
86) p-Isopropyltoluene	13.29	119	1351390	49.15	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	713290	44.19	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	678521	45.78	ug/l	100
89) n-Butylbenzene	13.61	91	1037457	48.48	ug/l	99
90) Hexachloroethane	13.87	117	243448	48.62	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	675744	42.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47190	39.15	ug/l	99

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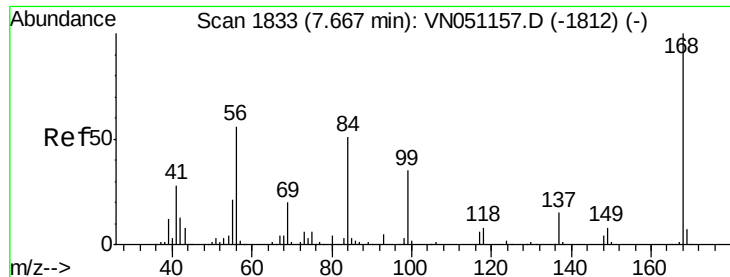
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	294871	39.68	ug/l	98
94) Hexachlorobutadiene	15.01	225	235475	51.42	ug/l	100
95) Naphthalene	15.13	128	520562	34.62	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	282344	39.54	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 671270

Ion Ratio Lower Upper

168 100

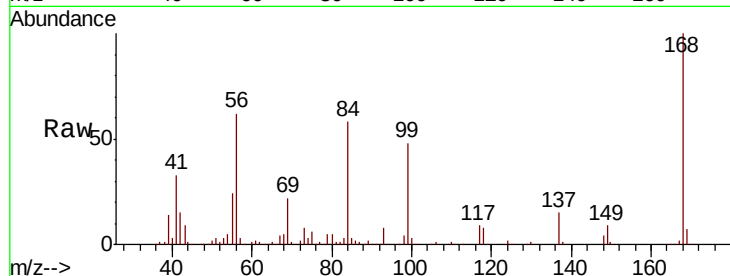
99 48.2 38.3 57.5

Manual Integrations

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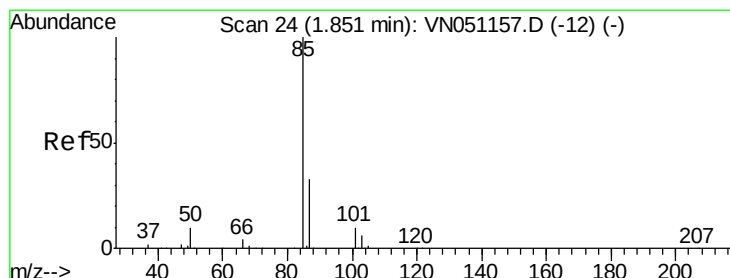
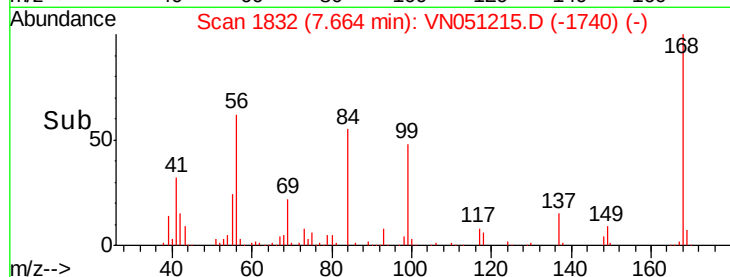
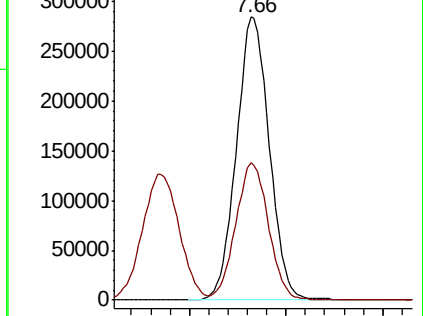
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.78 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051215.D

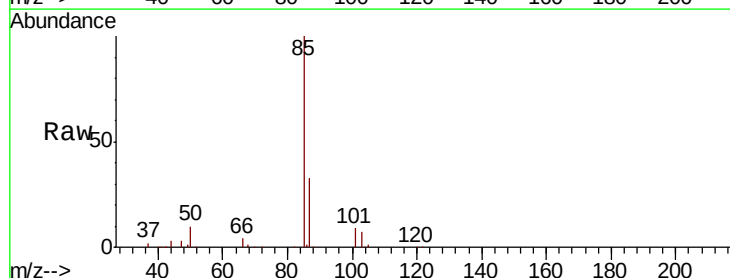
Acq: 15 Sep 2018 10:43

Tgt Ion: 85 Resp: 302853

Ion Ratio Lower Upper

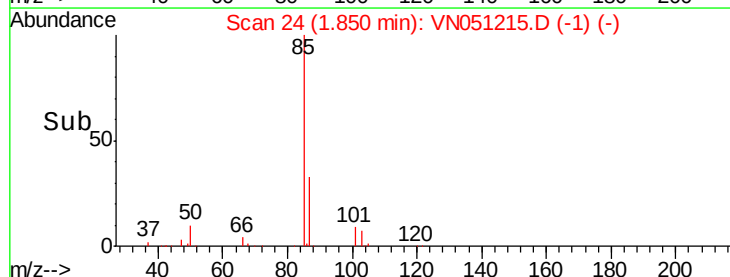
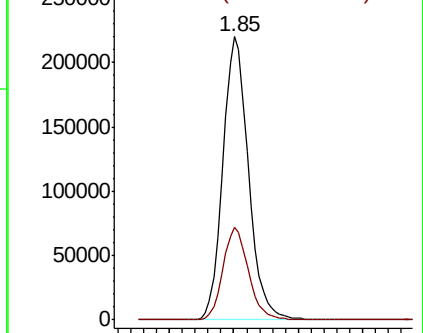
85 100

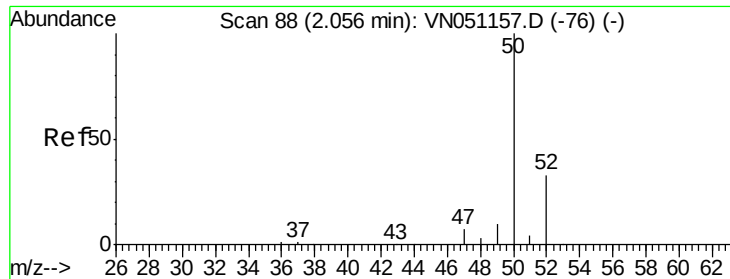
87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.66 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 390398

Ion Ratio Lower Upper

50 100

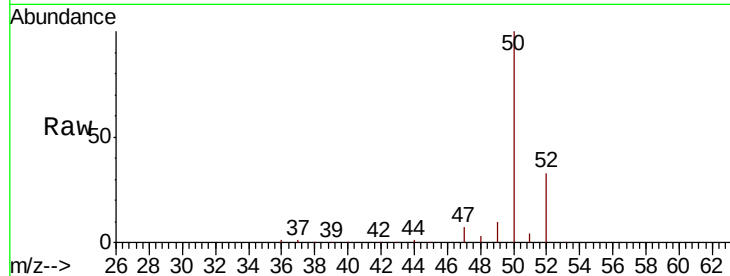
52 33.4 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

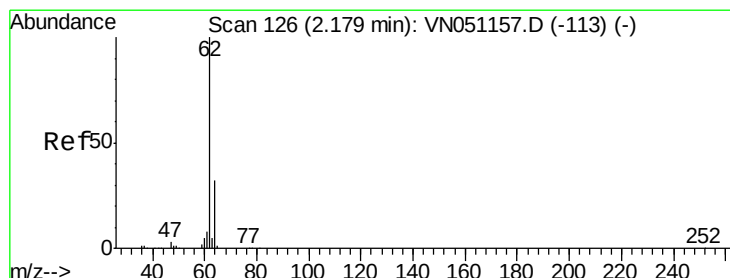
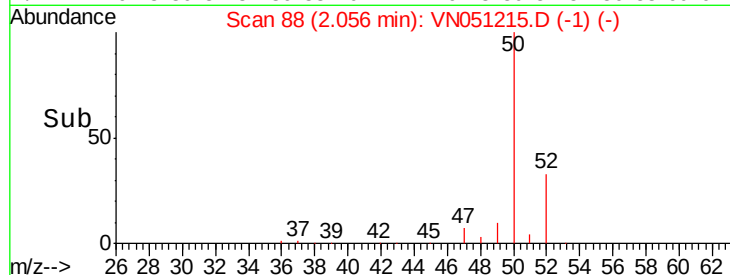
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 43.90 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051215.D

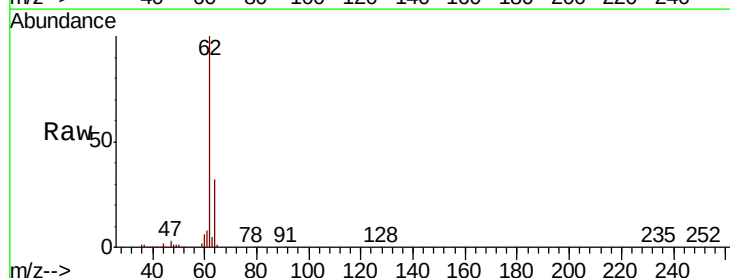
Acq: 15 Sep 2018 10:43

Tgt Ion: 62 Resp: 390070

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

300000

250000

200000

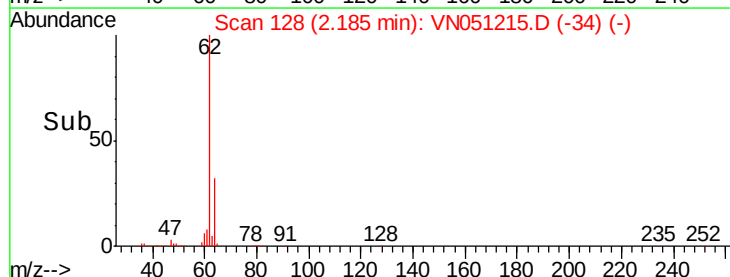
150000

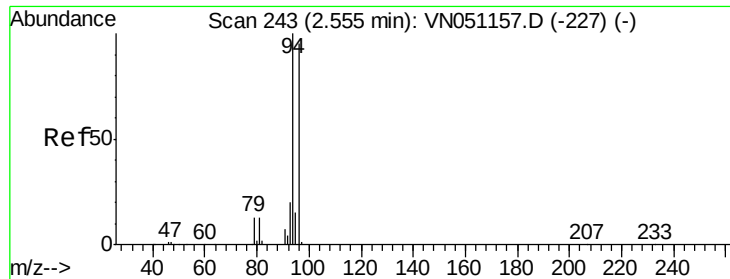
100000

50000

0

Time-->





#5

Bromomethane

Concen: 43.41 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 218297

Ion Ratio Lower Upper

94 100

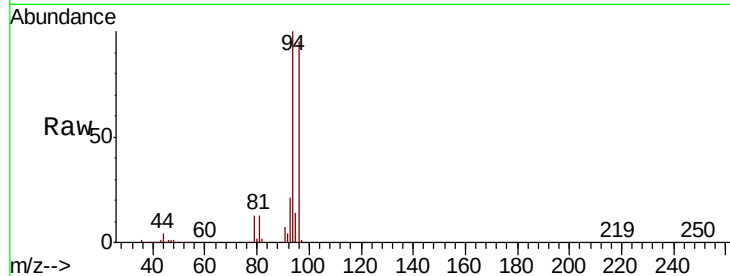
96 95.2 75.9 113.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

120000

100000

80000

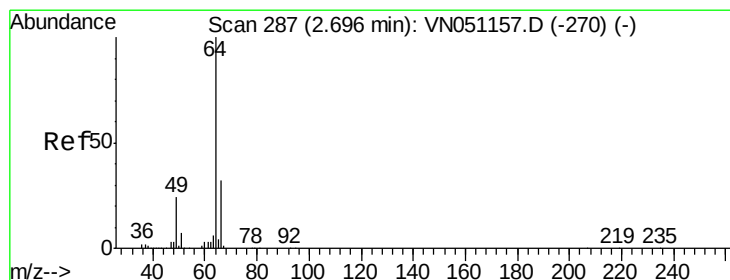
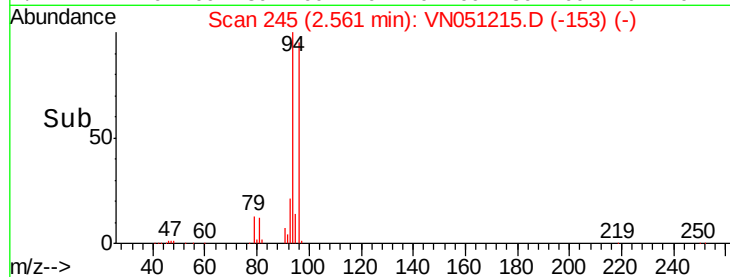
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 42.77 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051215.D

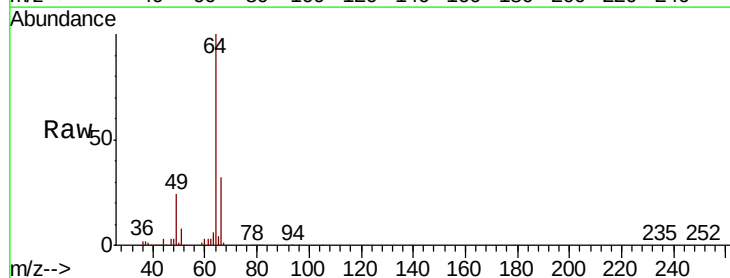
Acq: 15 Sep 2018 10:43

Tgt Ion: 64 Resp: 234573

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

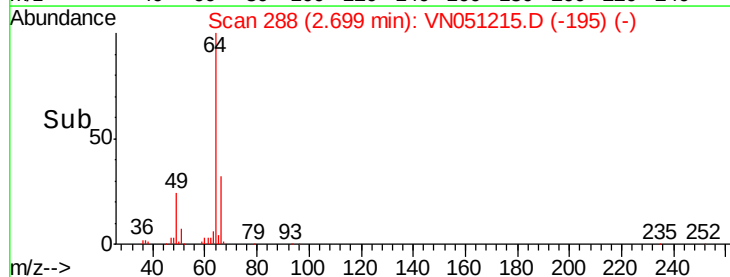
2.70

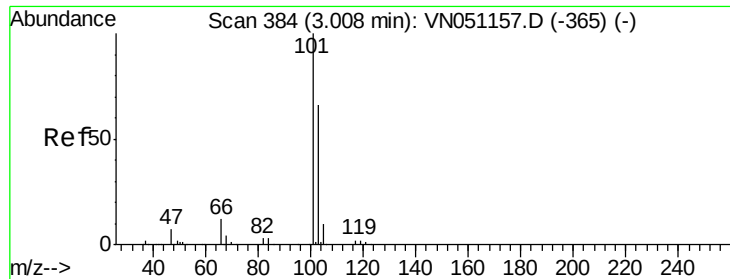
100000

50000

0

Time-->





#7

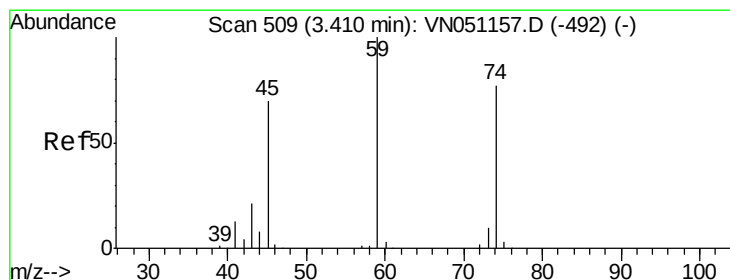
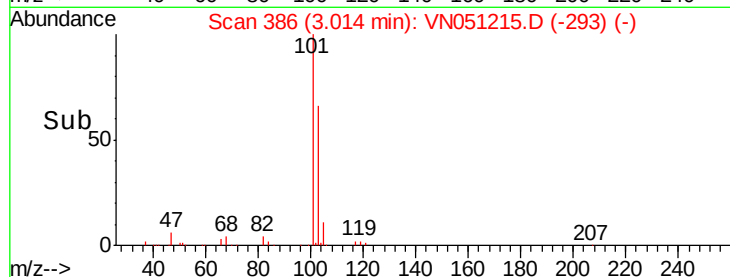
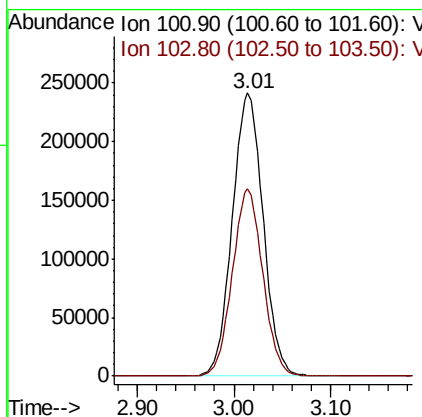
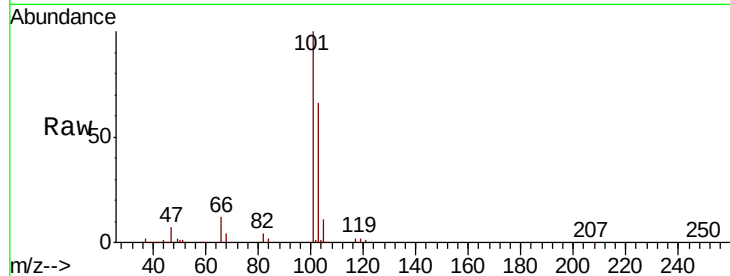
Trichlorofluoromethane
 Concen: 45.31 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.4	78.6

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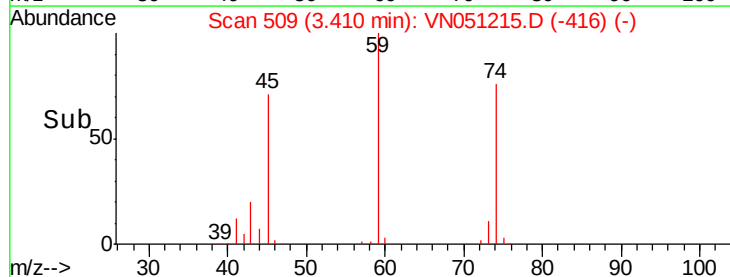
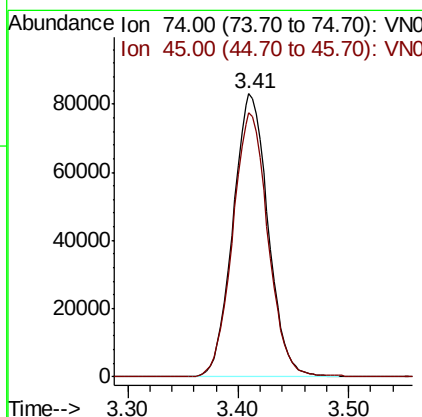
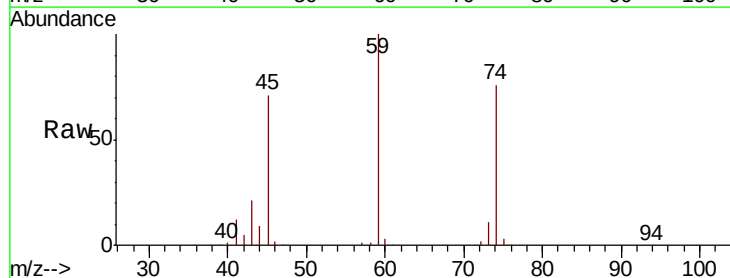
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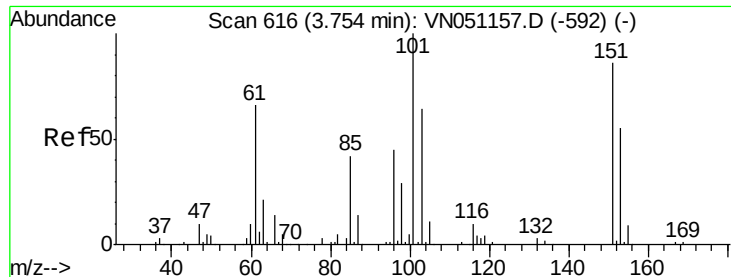


#8

Diethyl Ether
 Concen: 42.26 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.9	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.64 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

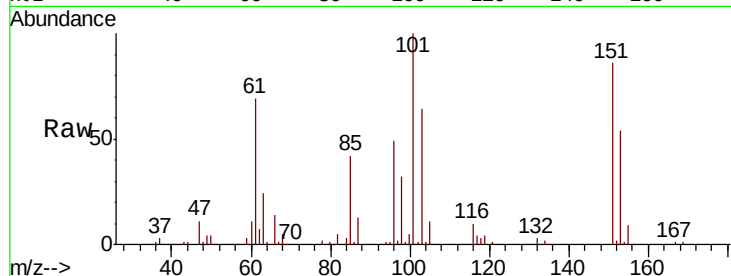
ClientSampleId :

VSTDCCC050

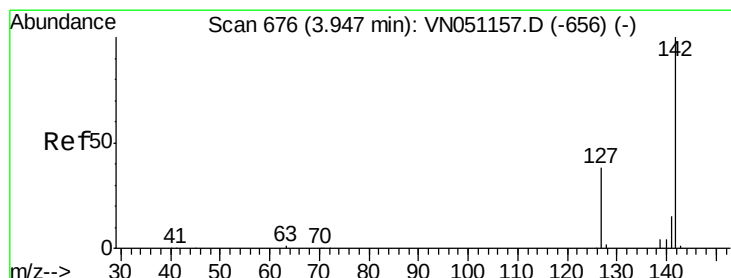
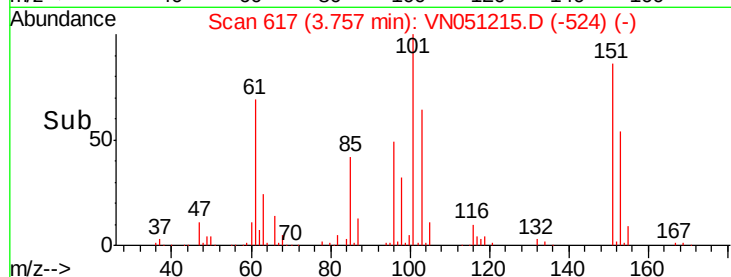
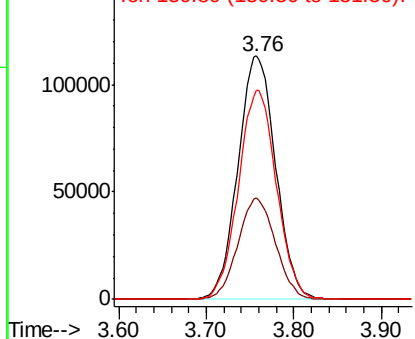
Tot Ion:	101	Resp:	338825
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.3	49.9
151	86.6	68.2	102.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.97 ug/l

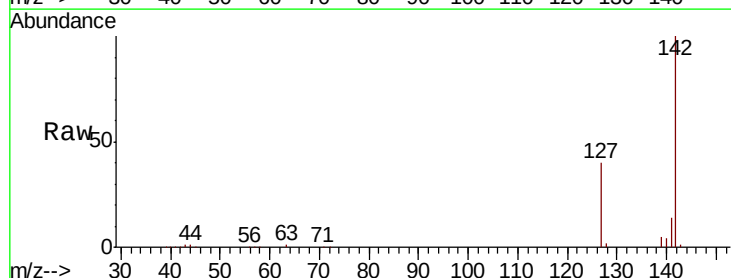
RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

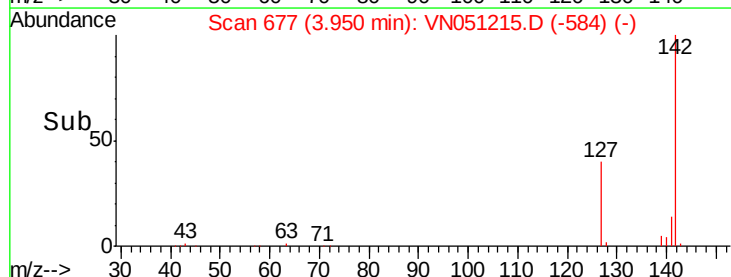
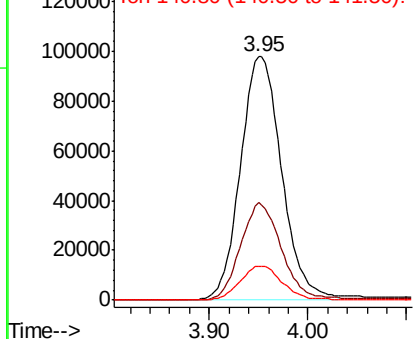
Lab File: VN051215.D

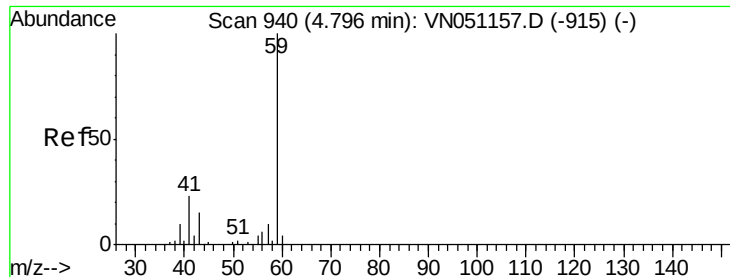
Acq: 15 Sep 2018 10:43

Tgt Ion:	142	Resp:	282676
Ion Ratio	Lower	Upper	
142	100		
127	40.0	31.0	46.4
141	14.4	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





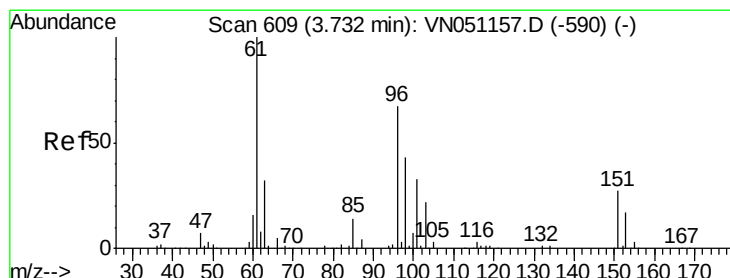
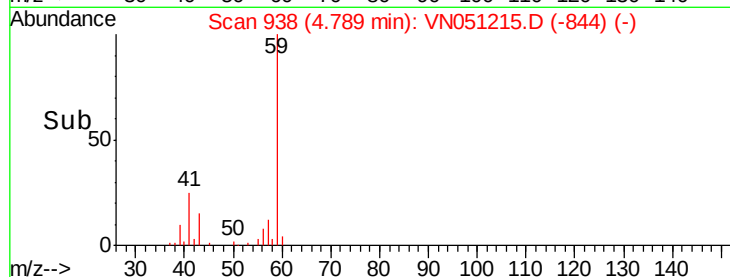
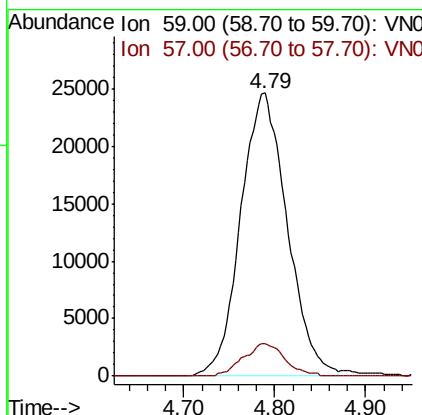
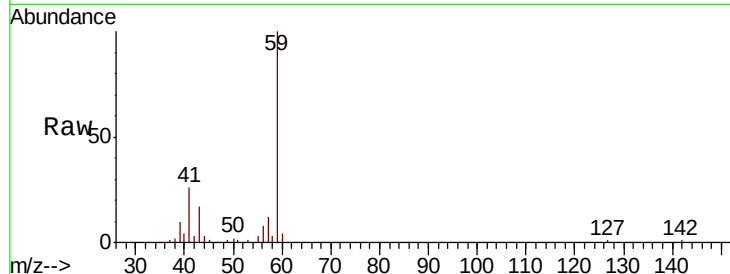
#11
Tert butyl alcohol
Concen: 153.08 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.1	12.1

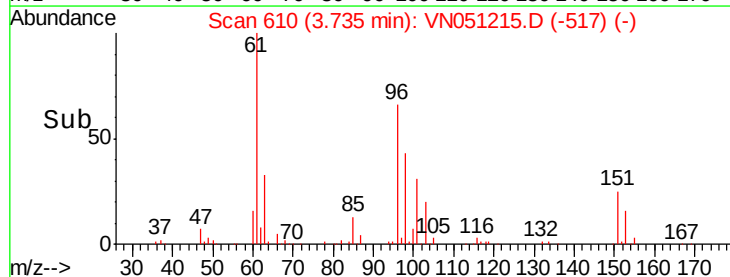
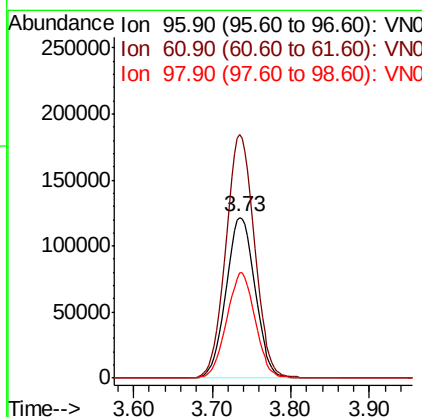
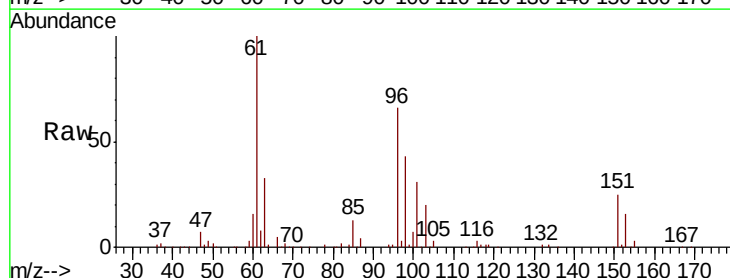
Manual Integrations
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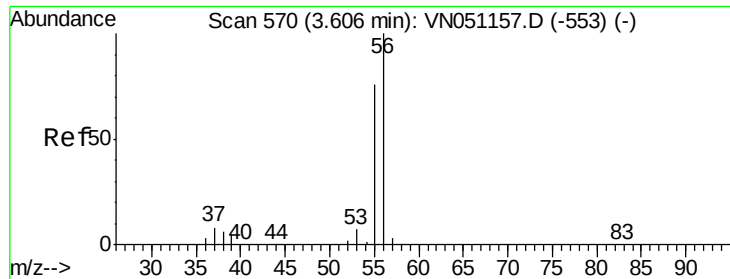
MMDadoda
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#12
1,1-Dichloroethene
Concen: 43.44 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.2	120.3	180.5
98	65.2	50.8	76.2





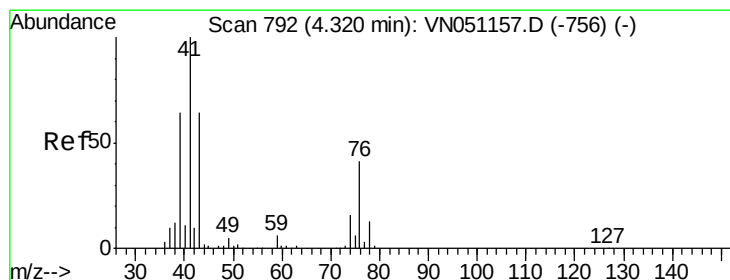
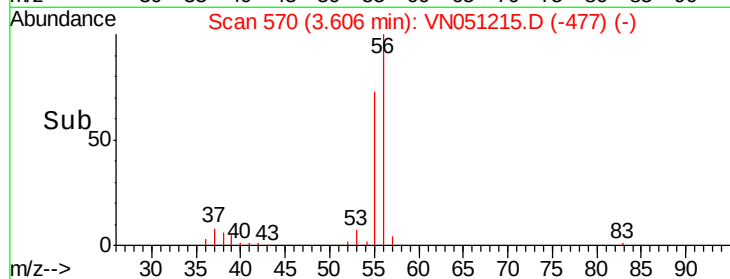
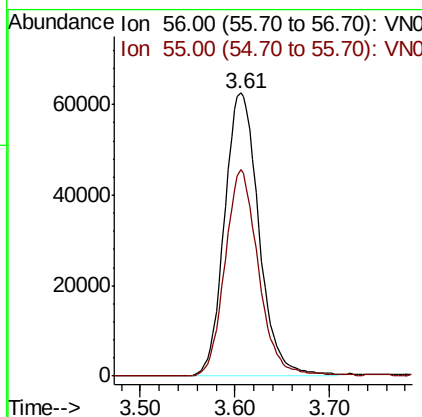
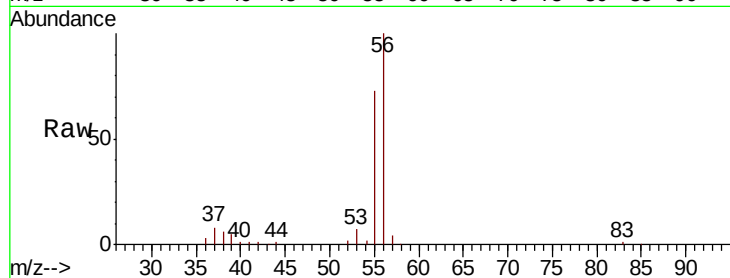
#13
 Acrolein
 Concen: 229.22 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	56	55	Resp	Ratio	Lower	Upper
56	100					
55	70.3		58.0		58.0	87.0

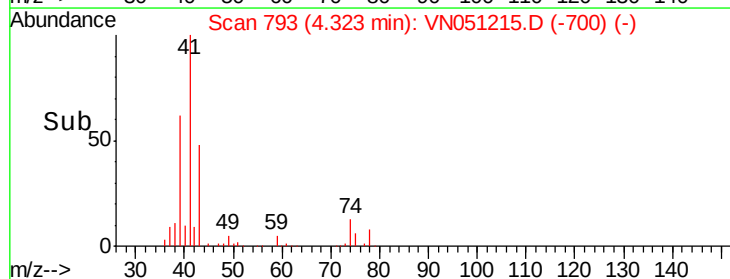
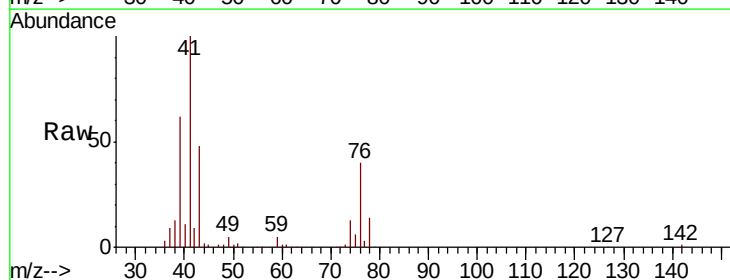
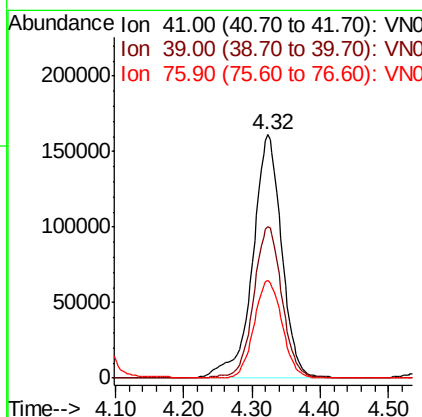
Manual Integrations
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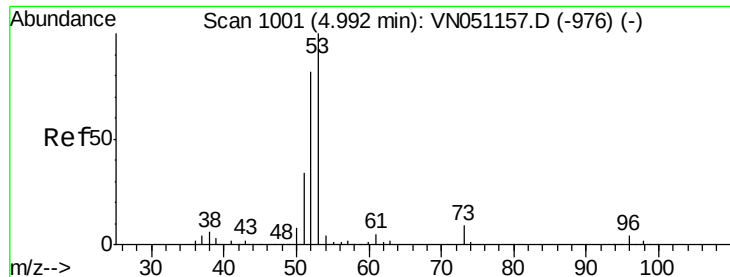
MMDadoda
 9/18/2018 4:31:26 PM



#14
 Allyl chloride
 Concen: 43.52 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	41	39	76	Resp	Ratio	Lower	Upper
41	100						
39	60.8			48.8		48.8	73.2
76	38.5			30.6		30.6	45.8





#15

Acrylonitrile

Concen: 197.67 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

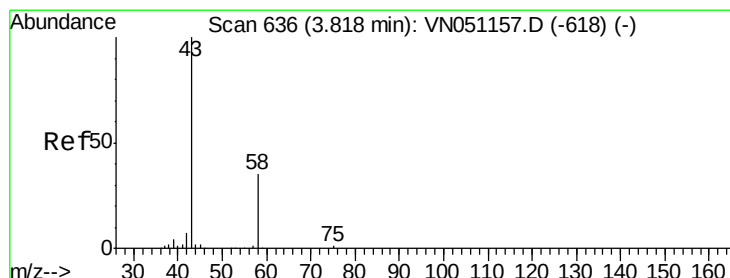
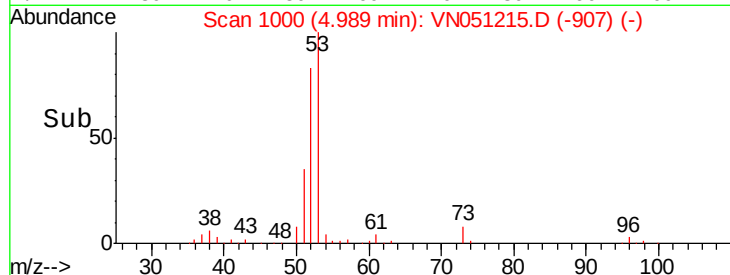
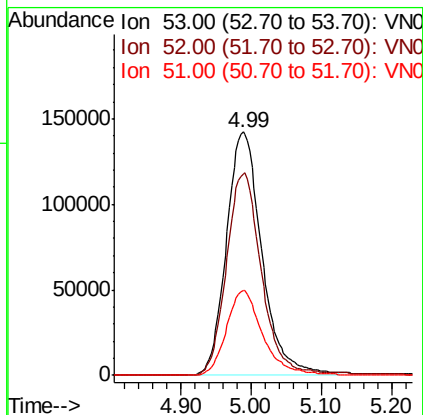
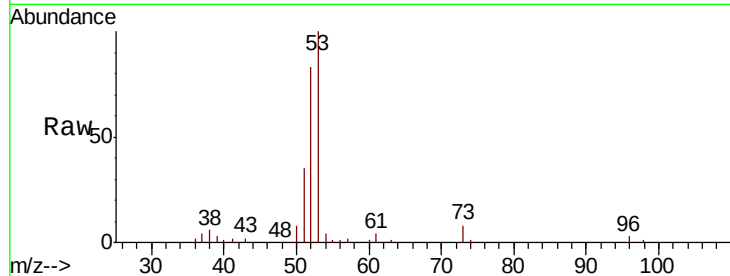
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	499767
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.3	97.9
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 282.23 ug/l

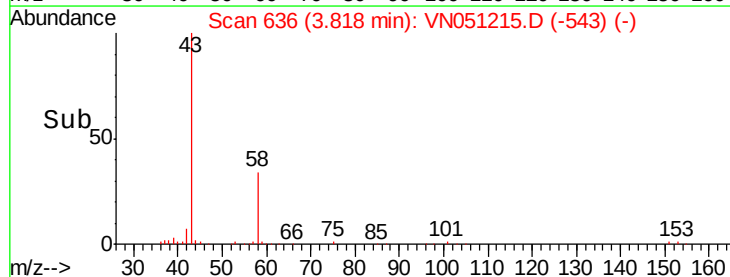
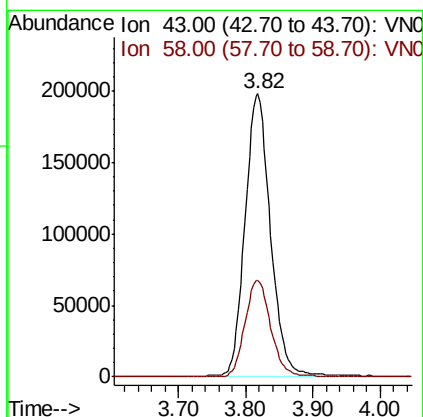
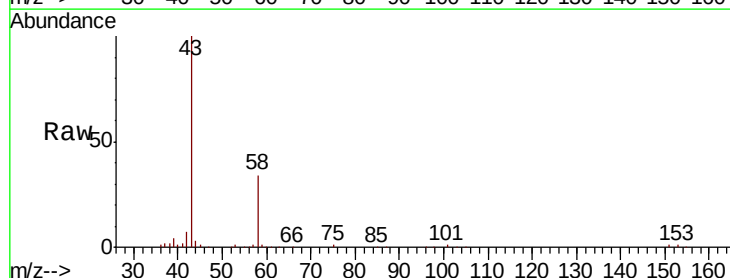
RT: 3.82 min Scan# 636

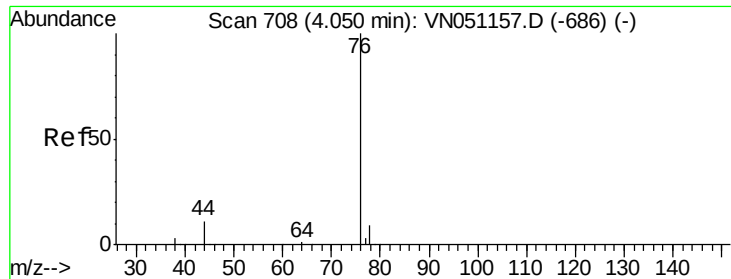
Delta R.T. 0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Tgt Ion:	43	Resp:	519908
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.8	41.6





#17

Carbon Disulfide

Concen: 44.95 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 948333

Ion Ratio Lower Upper

76 100

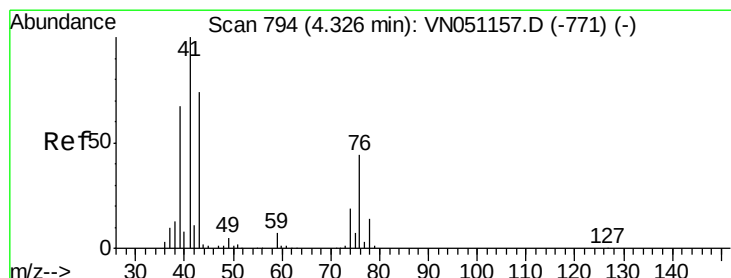
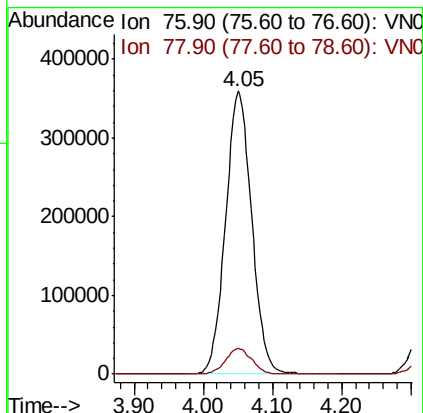
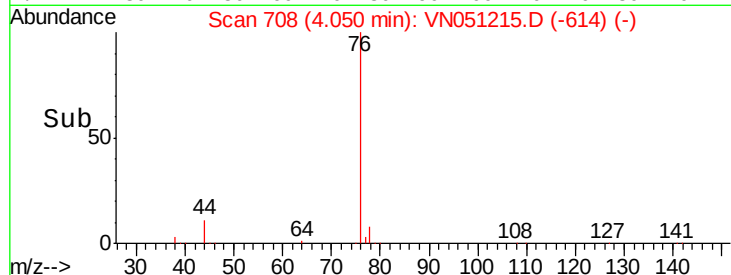
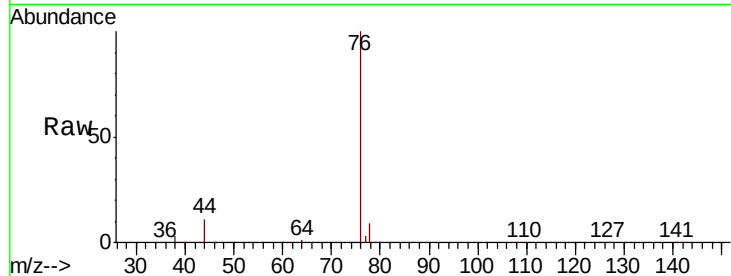
78 9.0 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 37.80 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051215.D

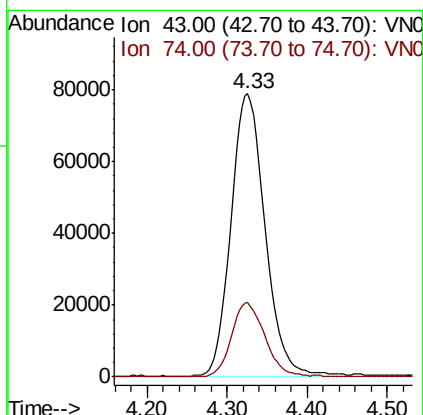
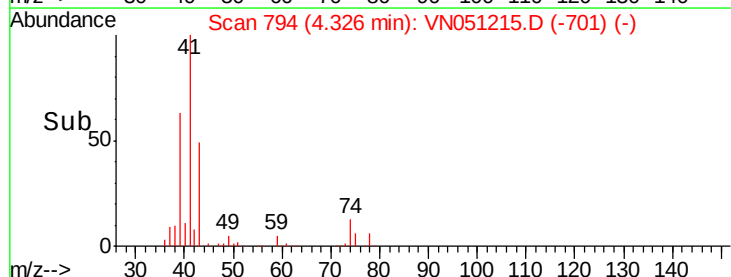
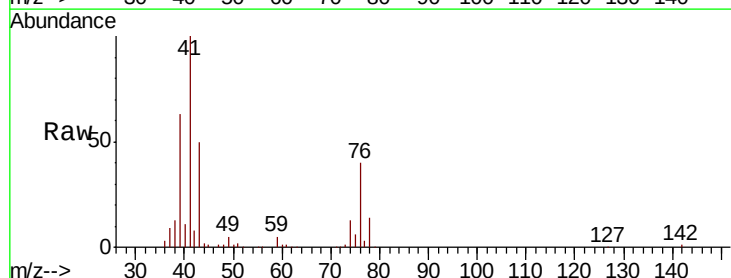
Acq: 15 Sep 2018 10:43

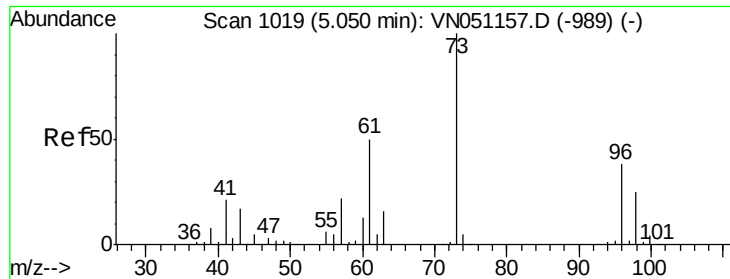
Tgt Ion: 43 Resp: 226122

Ion Ratio Lower Upper

43 100

74 25.8 20.7 31.1





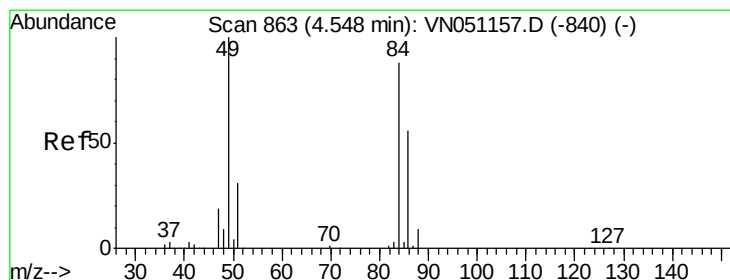
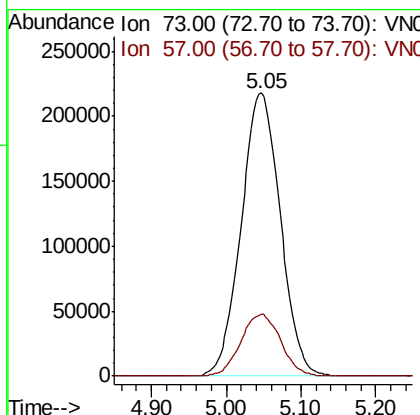
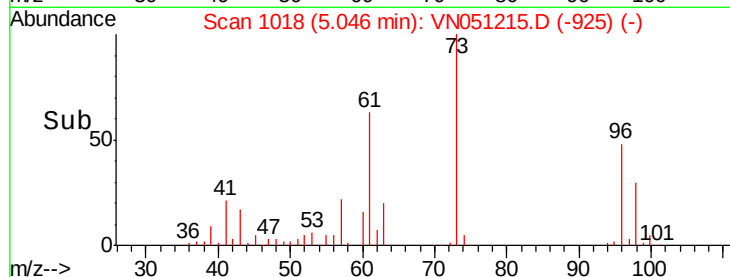
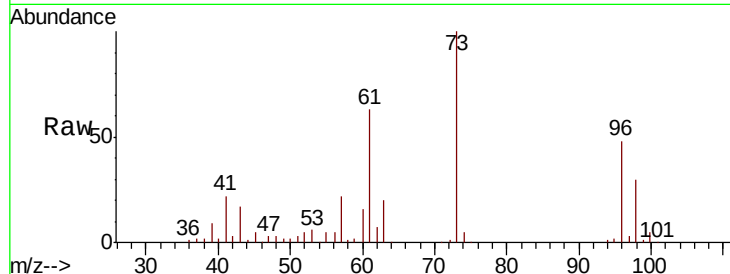
#19
Methyl tert-butyl Ether
Concen: 41.97 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 794341
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9

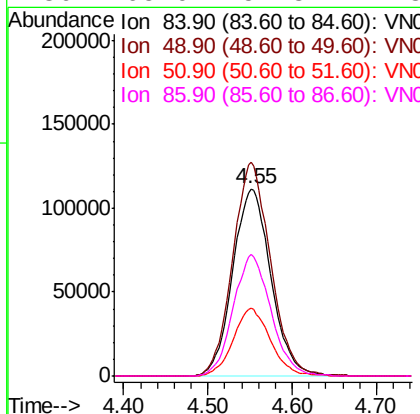
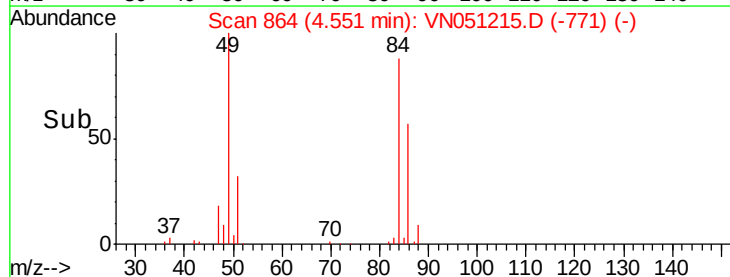
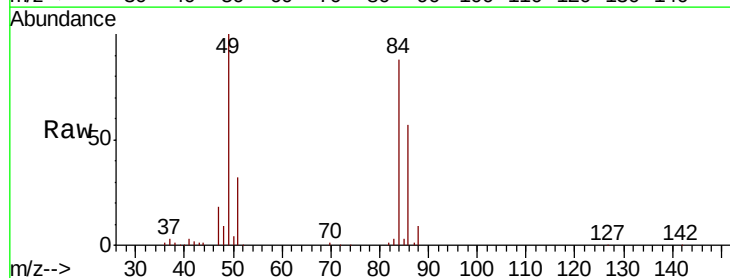
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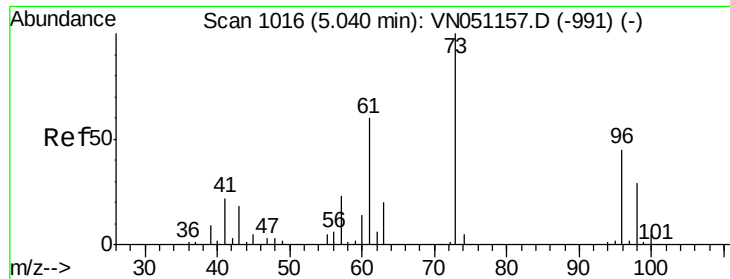
MMDadoda
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#20
Methylene Chloride
Concen: 42.54 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion: 84 Resp: 351057
Ion Ratio Lower Upper
84 100
49 114.1 90.2 135.2
51 36.4 28.4 42.6
86 65.0 51.8 77.8





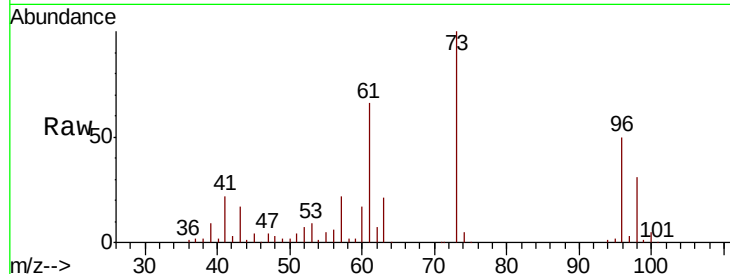
#21
trans-1,2-Dichloroethene
Concen: 43.19 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	106.5	159.7
98	62.9	50.4	75.6

Manual Integrations
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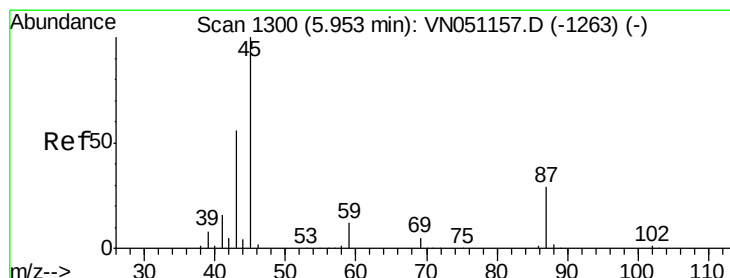
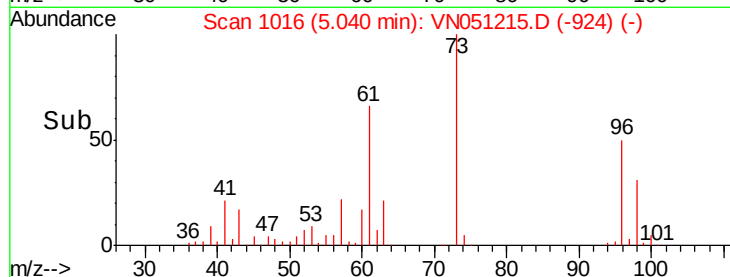
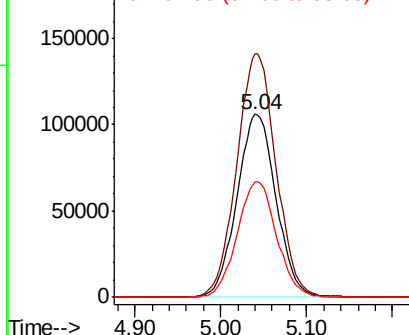


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 44.73 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	48.8	73.2
87	30.3	23.8	35.8
59	12.0	9.6	14.4

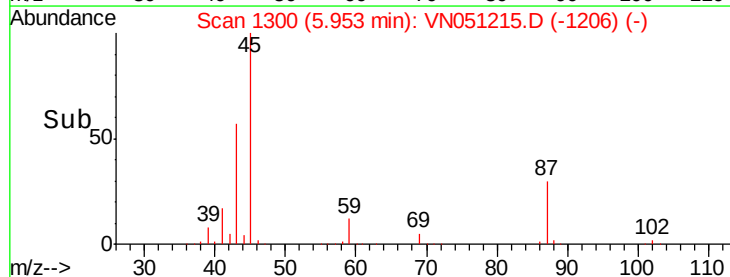
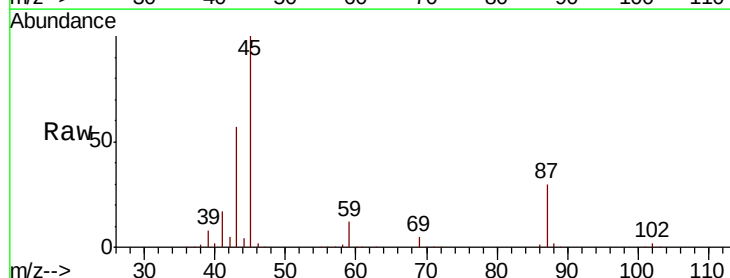
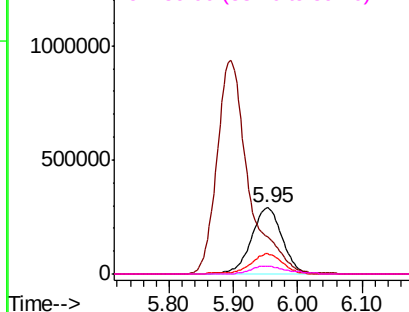
Abundance

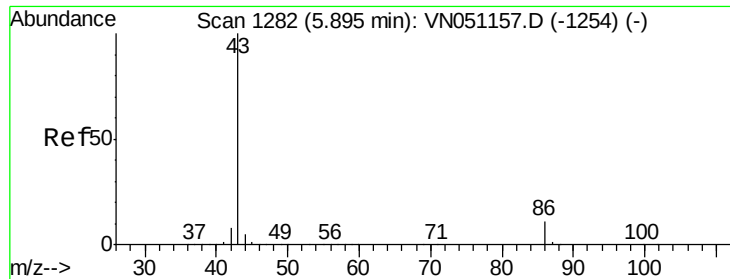
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





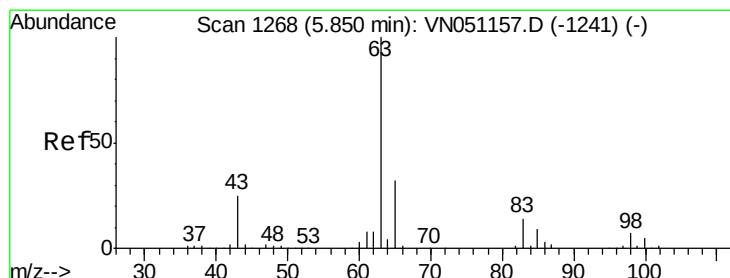
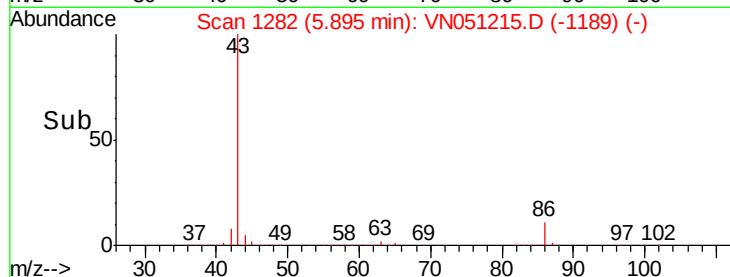
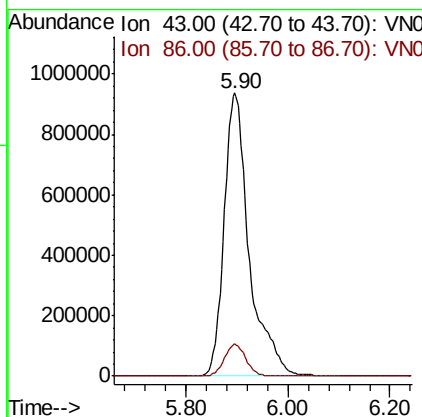
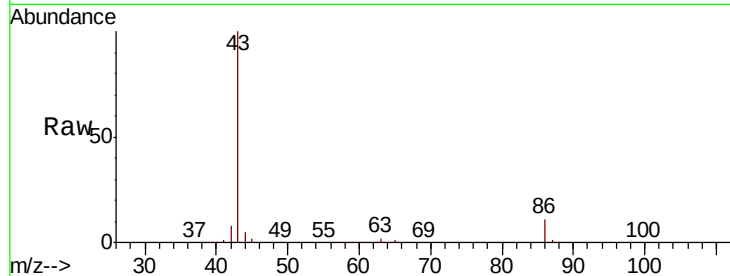
#23
 Vinyl Acetate
 Concen: 218.21 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3197806
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.2 13.8

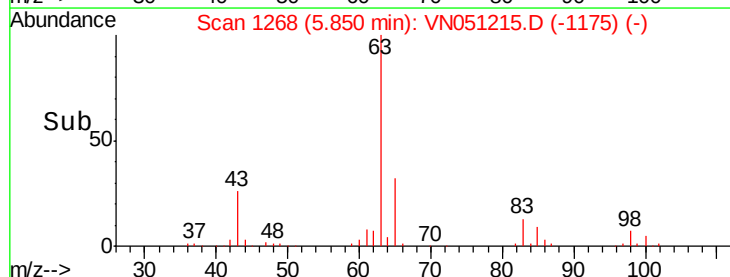
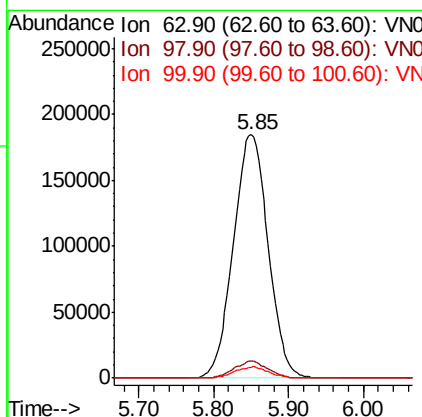
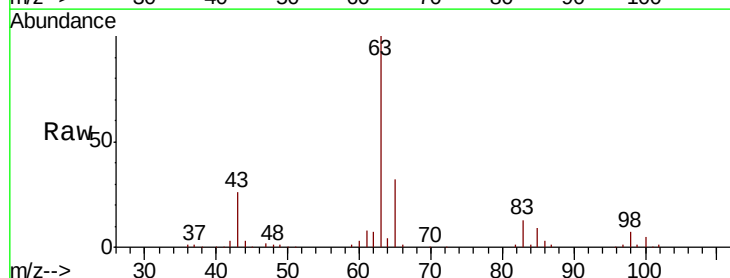
Manual Integrations
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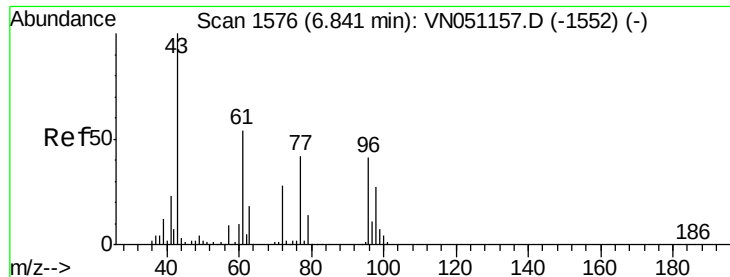
MMDadoda
 9/18/2018 4:31:26 PM



#24
 1,1-Dichloroethane
 Concen: 43.42 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion: 63 Resp: 596542
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 4.5 2.1 6.3





#25

2-Butanone

Concen: 210.38 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 617909

Ion Ratio Lower Upper

43 100

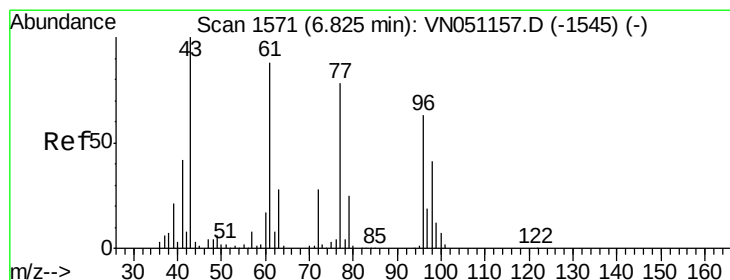
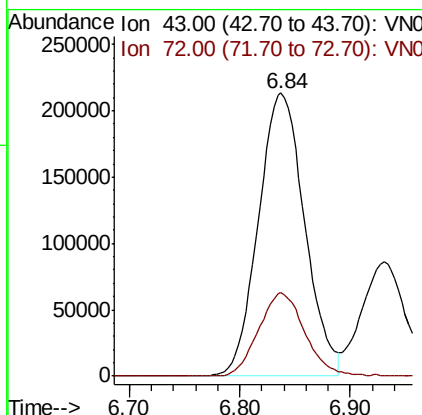
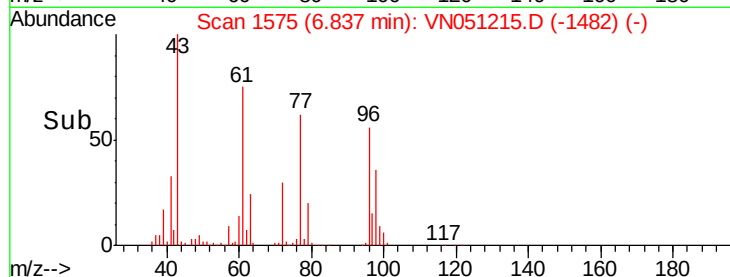
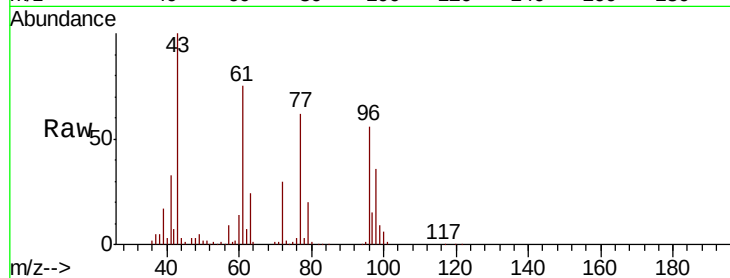
72 29.5 23.0 34.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 44.31 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051215.D

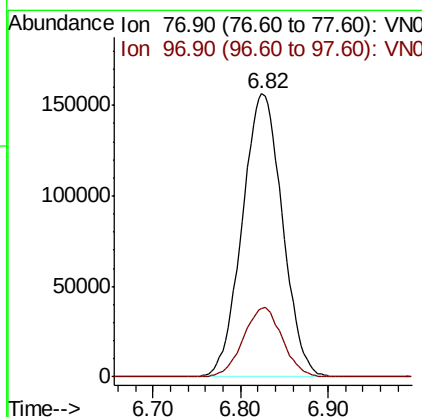
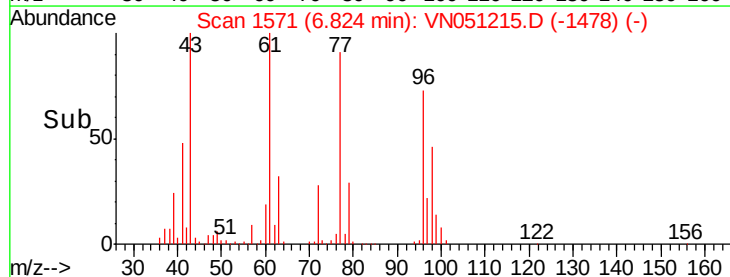
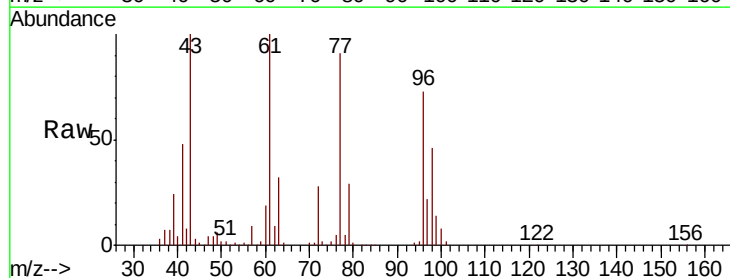
Acq: 15 Sep 2018 10:43

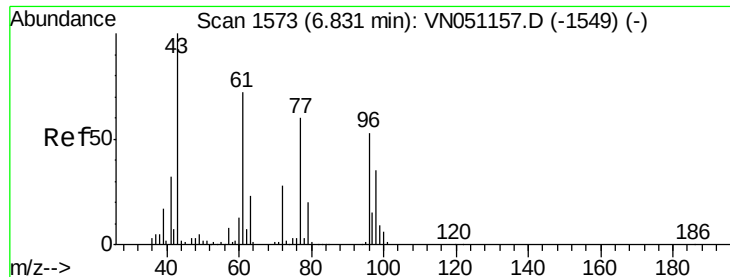
Tgt Ion: 77 Resp: 498327

Ion Ratio Lower Upper

77 100

97 23.8 12.1 36.3





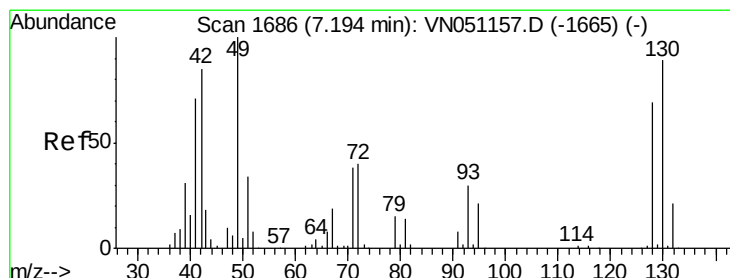
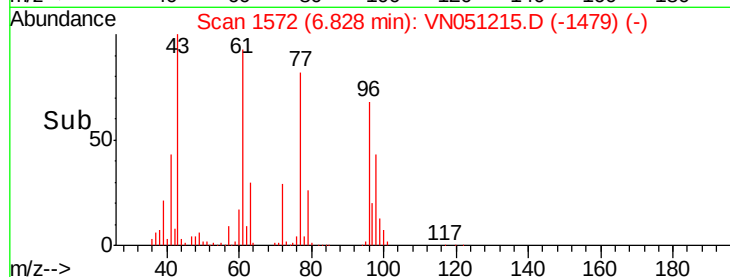
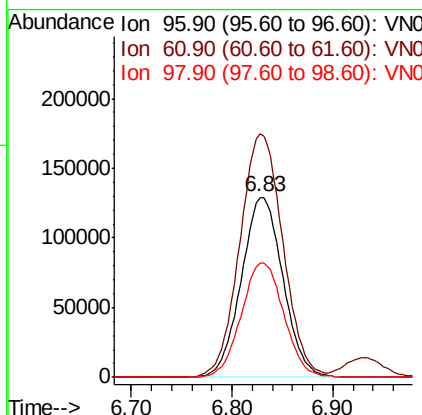
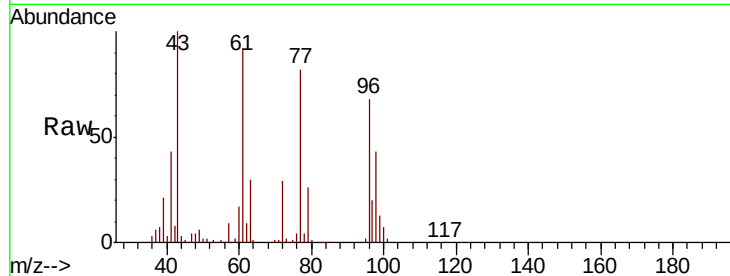
#27
 cis-1,2-Dichloroethene
 Concen: 43.52 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.6	0.0	278.2	
98	64.9	0.0	129.4	

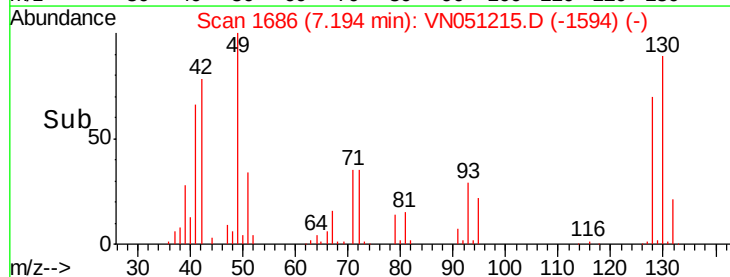
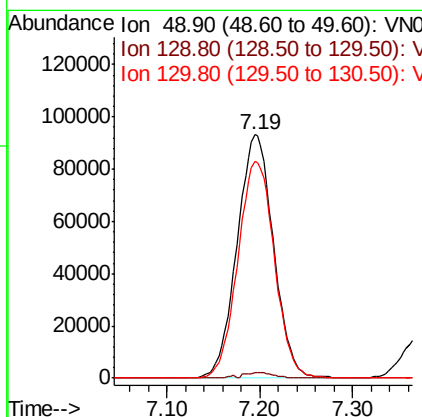
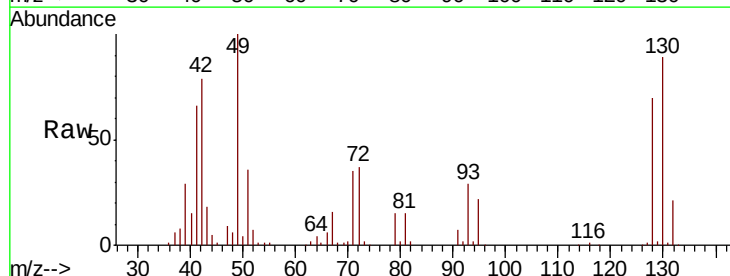
Manual Integrations
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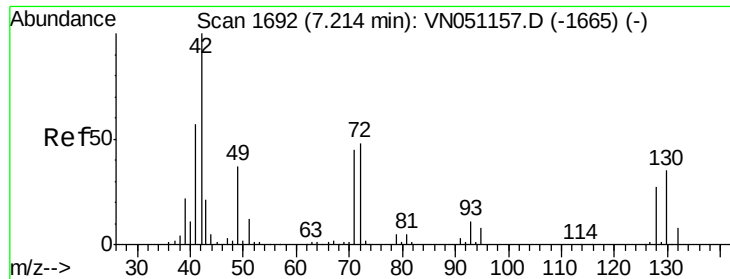
MMDadoda
 9/18/2018 4:31:26 PM



#28
 Bromochloromethane
 Concen: 41.46 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	4.4	
130	89.7	70.7	106.1	





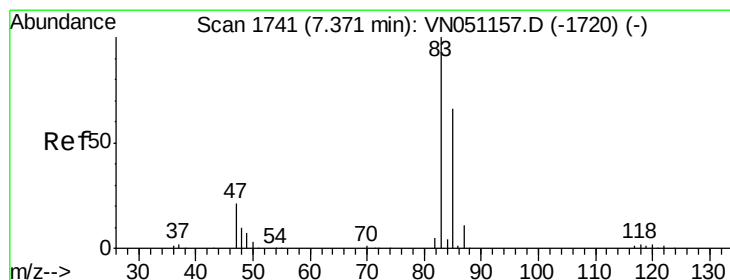
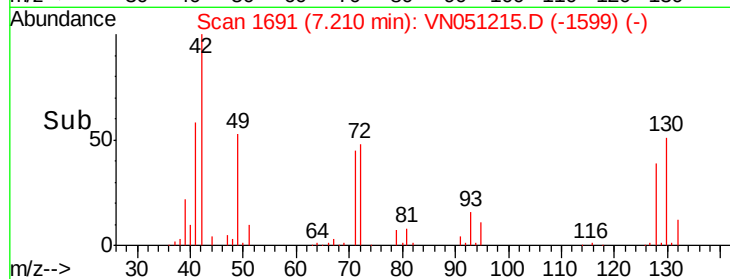
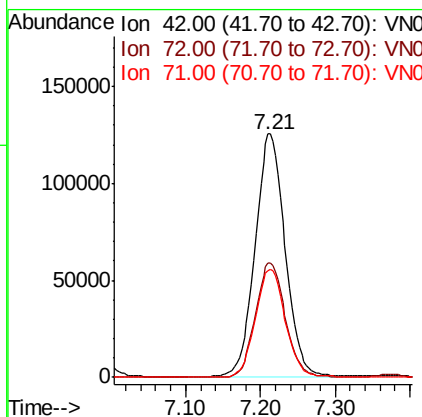
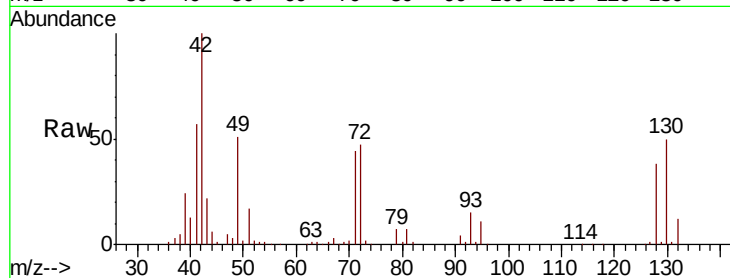
#29
Tetrahydrofuran
Concen: 191.19 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.4	56.0
71	44.1	34.7	52.1

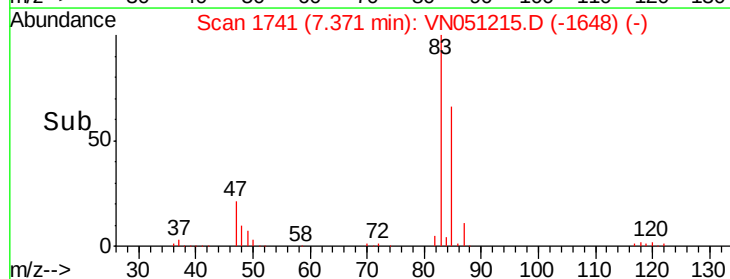
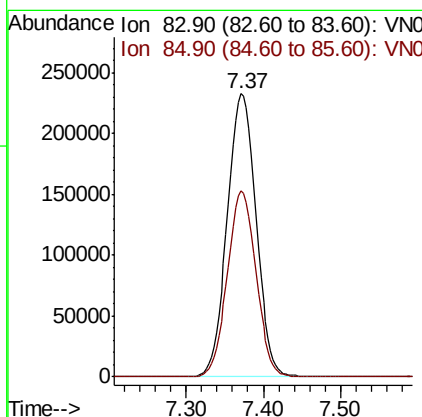
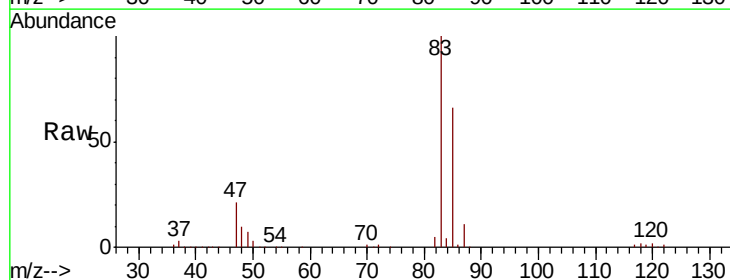
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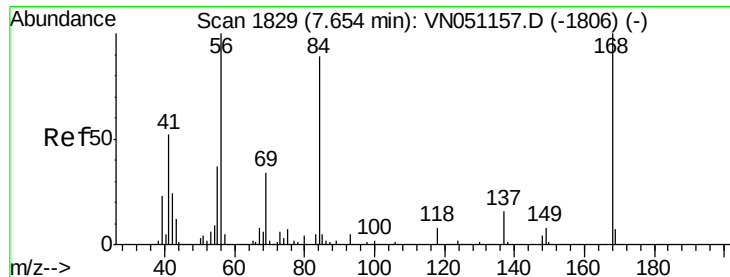
MMDadoda
9/18/2018 4:31:26 PM



#30
Chloroform
Concen: 44.12 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.6	79.0





#31

Cyclohexane

Concen: 44.96 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

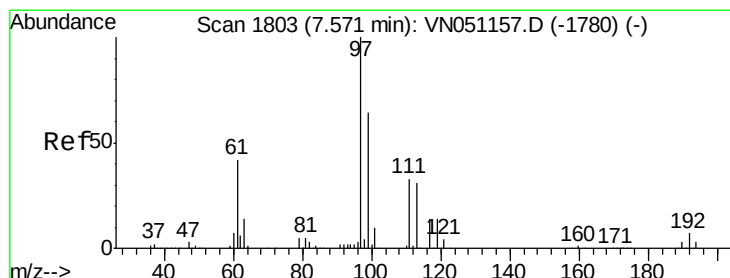
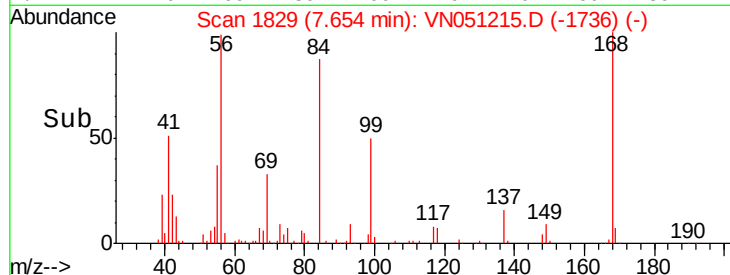
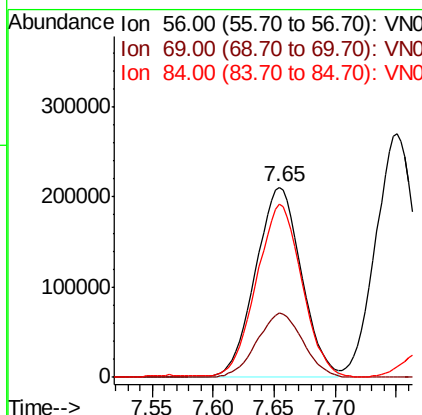
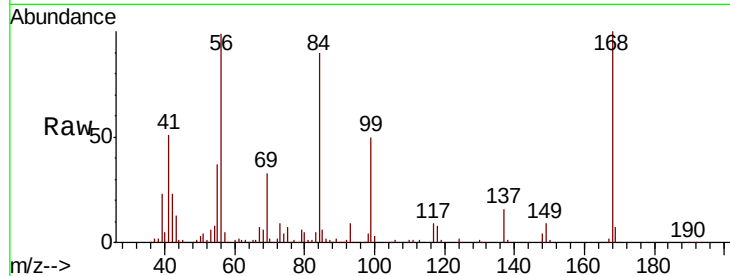
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	551056
Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.3	39.5
84	90.0	69.4	104.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.34 ug/l

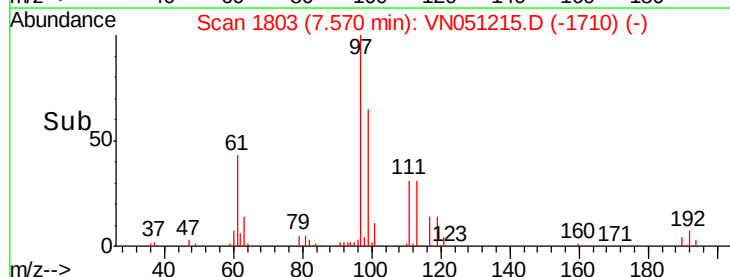
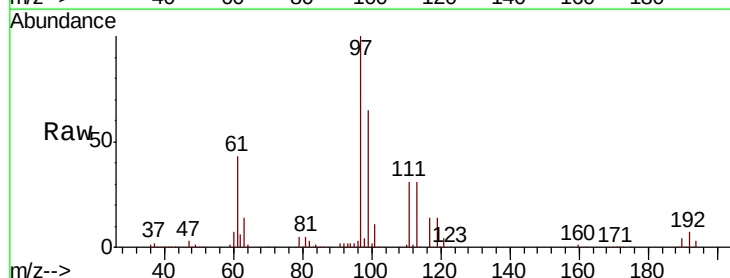
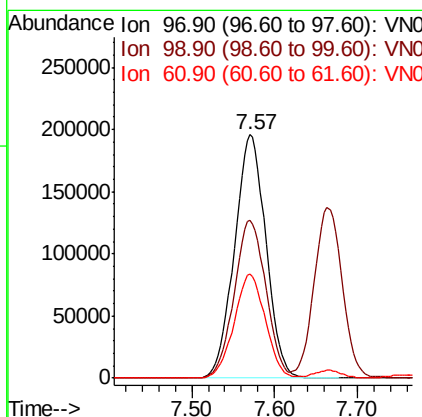
RT: 7.57 min Scan# 1803

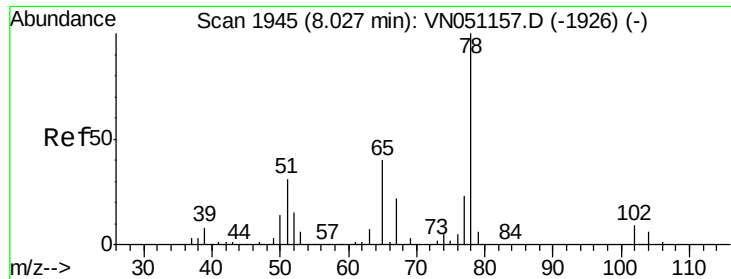
Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Tgt Ion:	97	Resp:	516395
Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.6	77.4
61	42.5	33.8	50.6





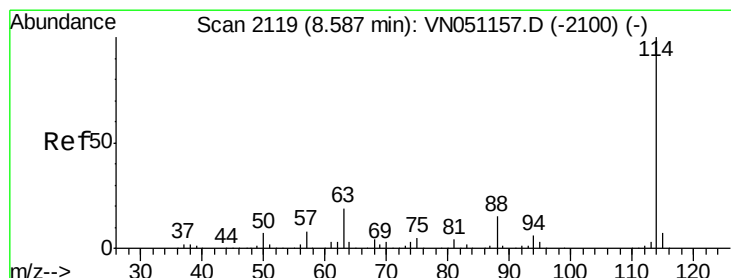
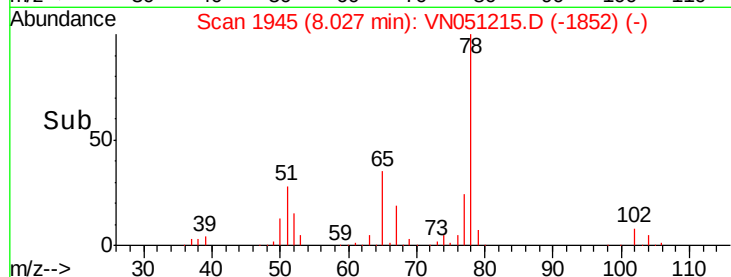
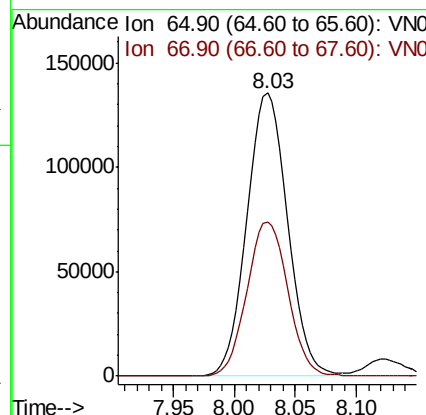
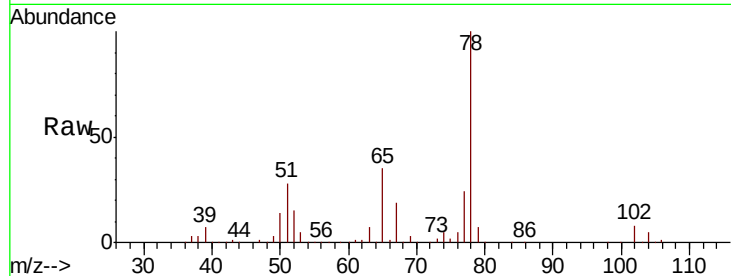
#33
 1,2-Dichloroethane-d4
 Concen: 41.95 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	112.0	

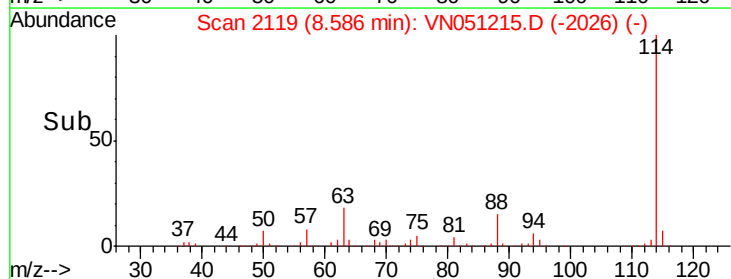
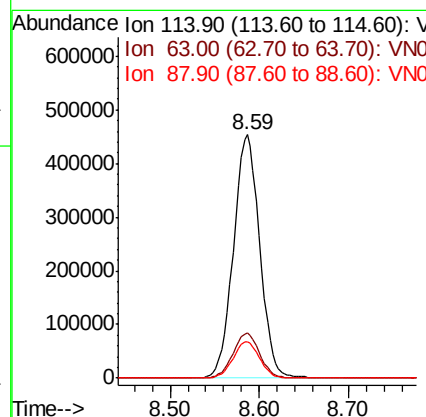
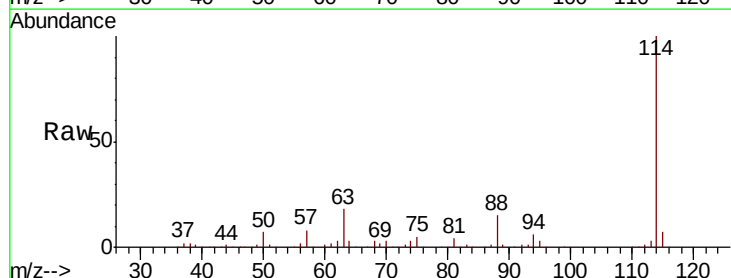
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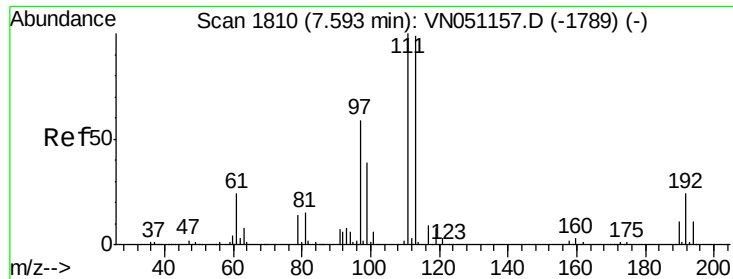
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	37.8	
88	15.0	0.0	30.8	





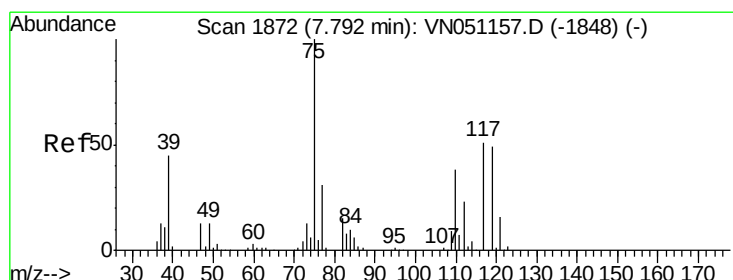
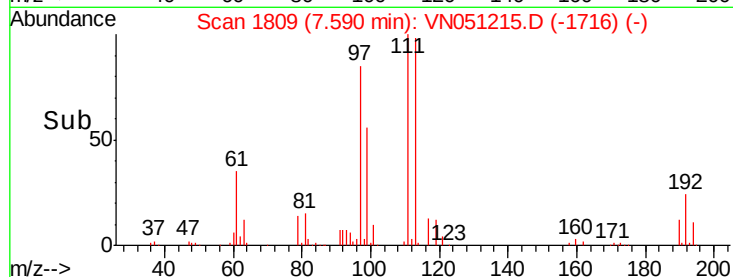
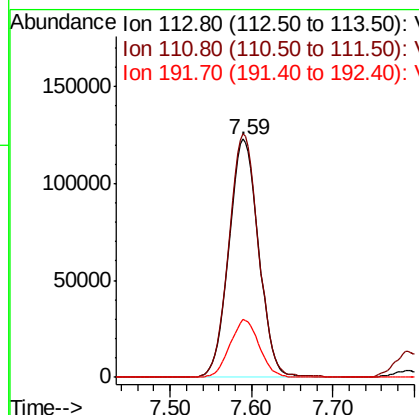
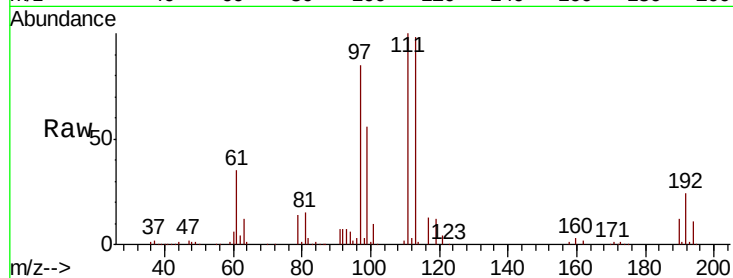
#35
 Dibromofluoromethane
 Concen: 45.30 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	314760		
111	101.8	83.0	124.6	
192	23.9	18.7	28.1	

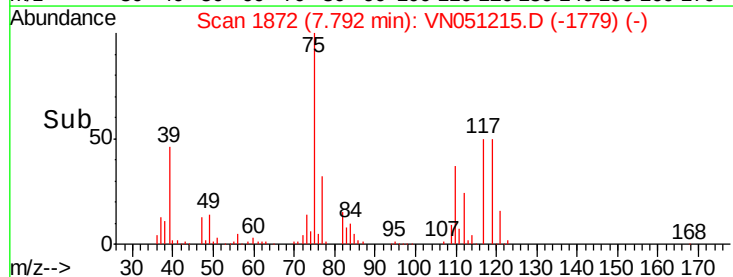
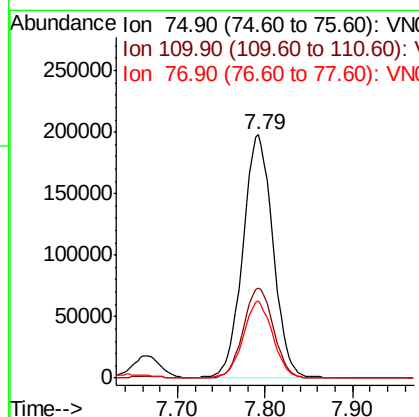
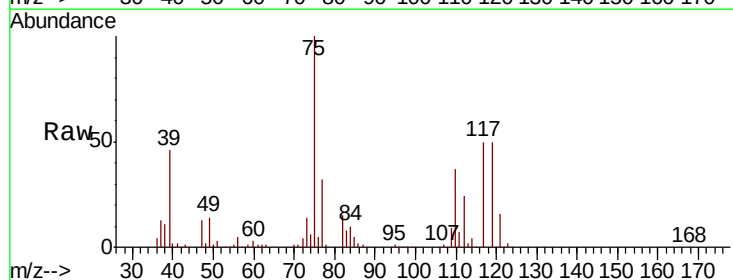
Manual Integrations
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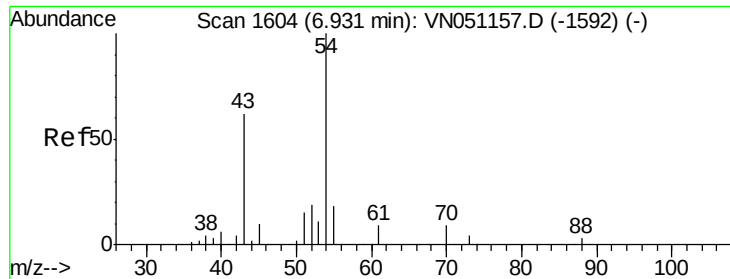
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#36
 1,1-Dichloropropene
 Concen: 46.43 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	471304		
110	37.2	18.6	55.8	
77	31.4	25.2	37.8	





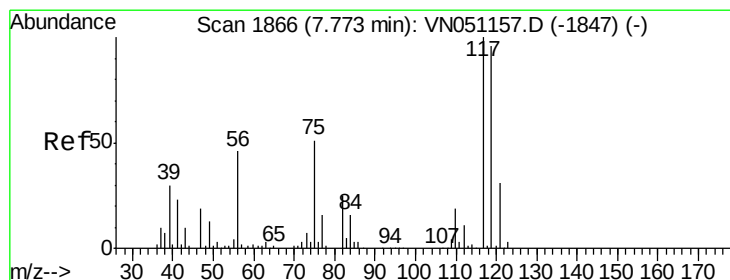
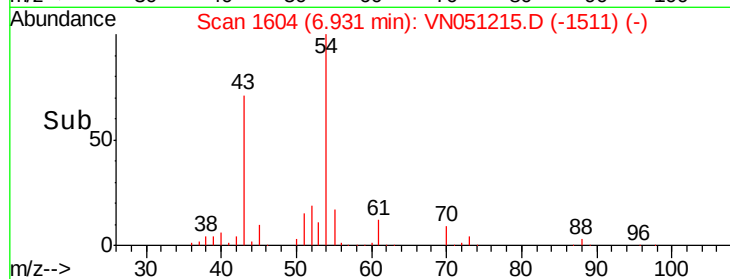
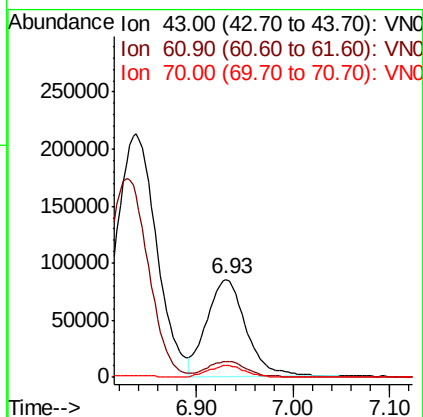
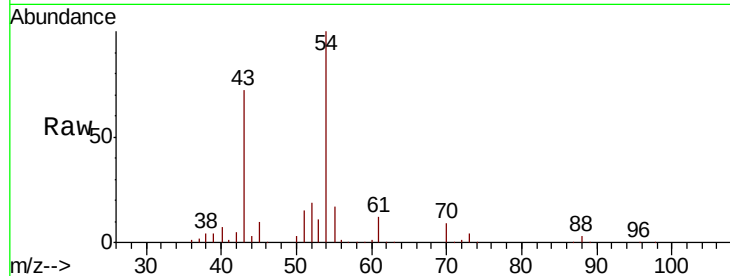
#37
Ethyl Acetate
Concen: 41.19 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.4	18.6
70	11.6	9.3	13.9

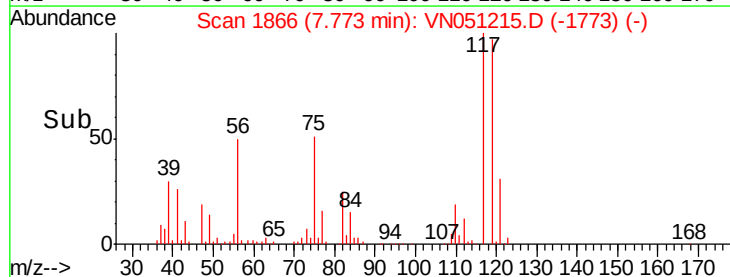
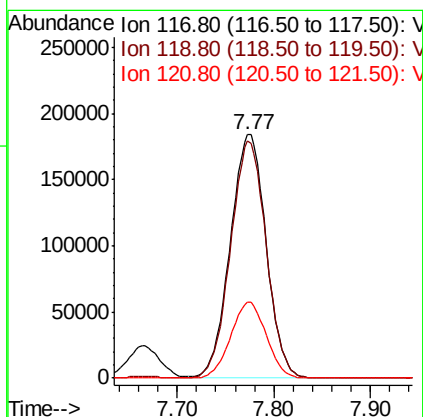
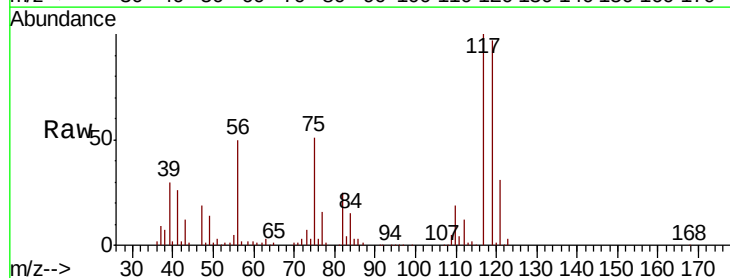
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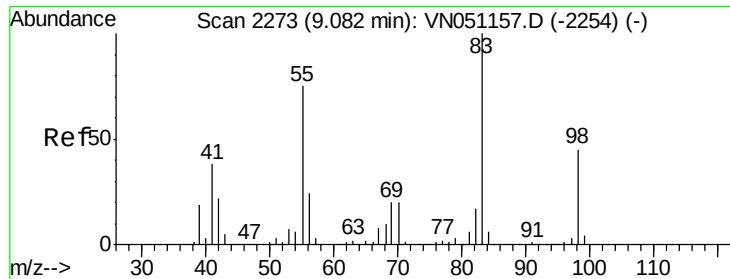
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#38
Carbon Tetrachloride
Concen: 47.54 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.8	115.2
121	31.4	24.6	36.8





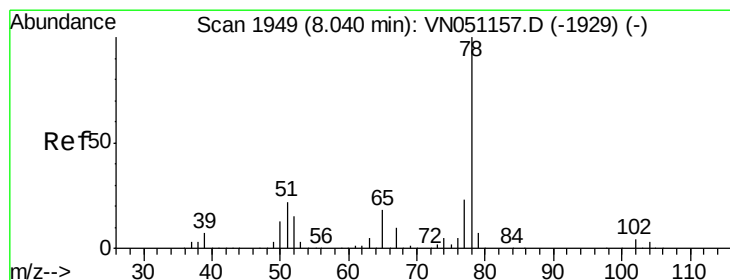
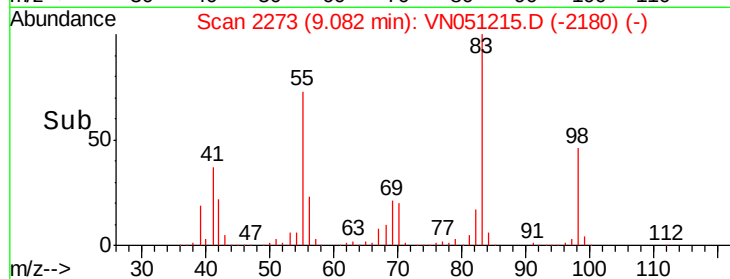
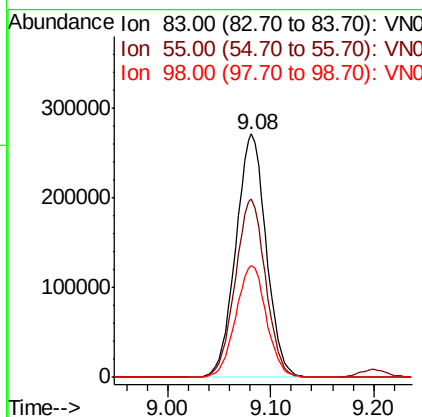
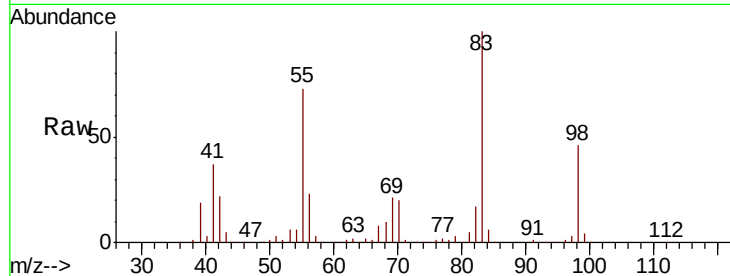
#39
Methylvlcyclohexane
Concen: 49.54 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	58.4	87.6
98	46.1	37.3	55.9

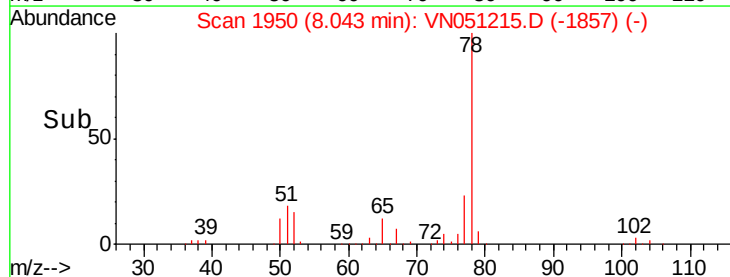
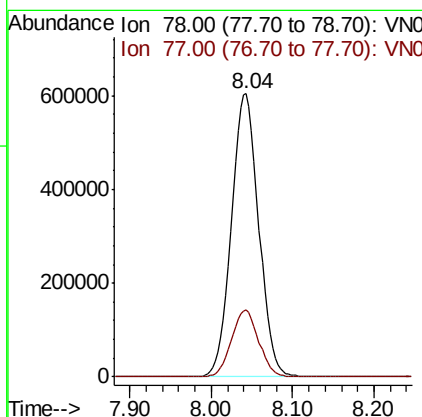
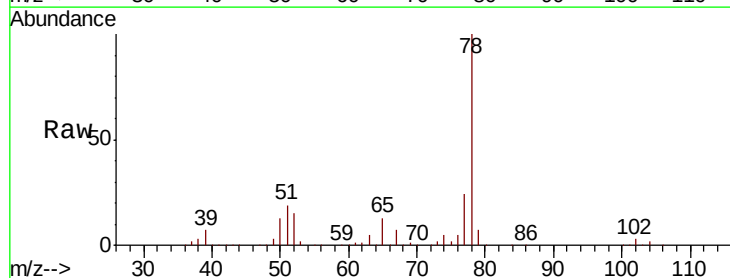
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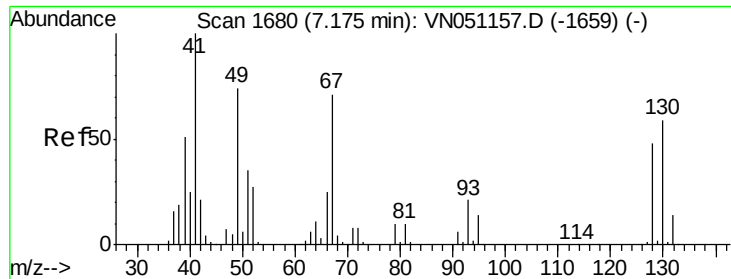
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#40
Benzene
Concen: 46.12 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





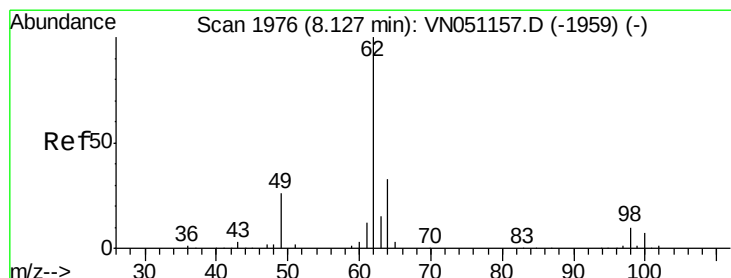
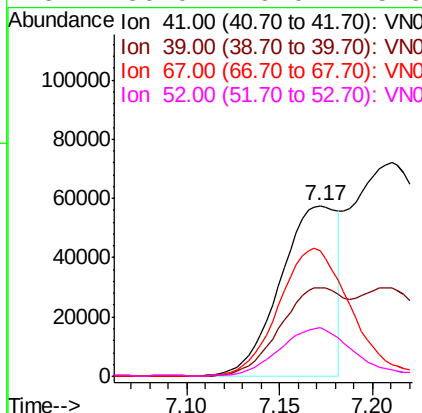
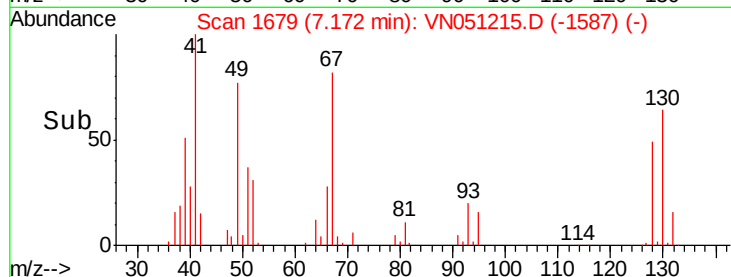
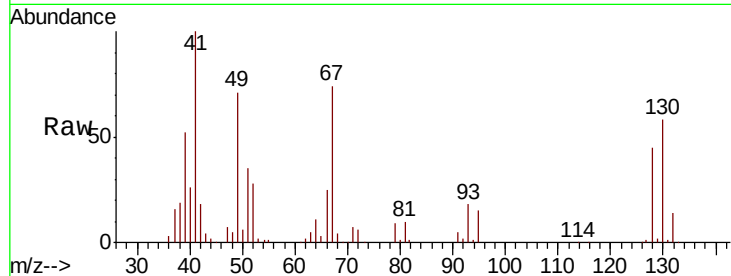
#41
Methacrylonitrile
Concen: 40.55 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	123003
Ion	Ratio	Lower	Upper
41	100		
39	59.7	51.3	76.9
67	95.6	78.5	117.7
52	36.0	29.0	43.6

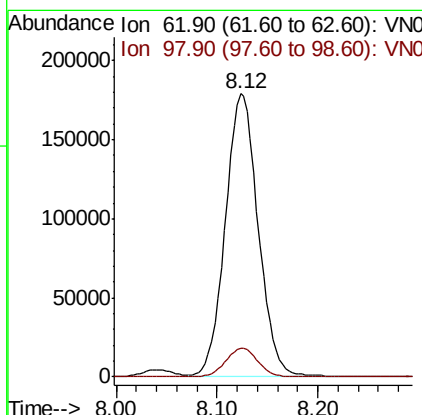
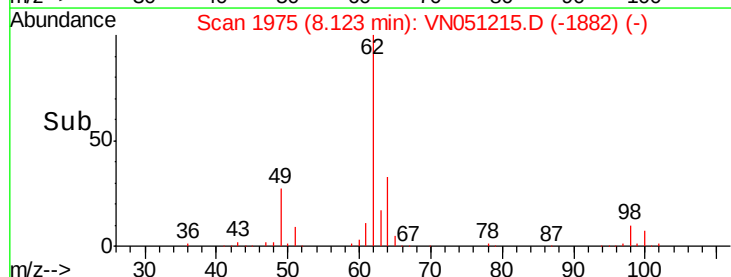
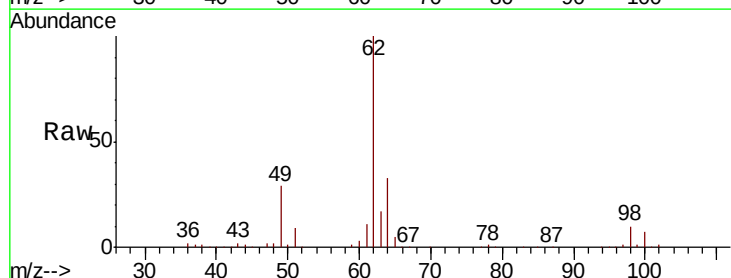
Manual Integrations
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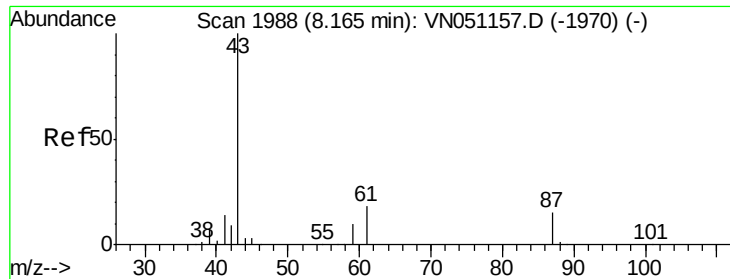
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.43 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	62	Resp	405023
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





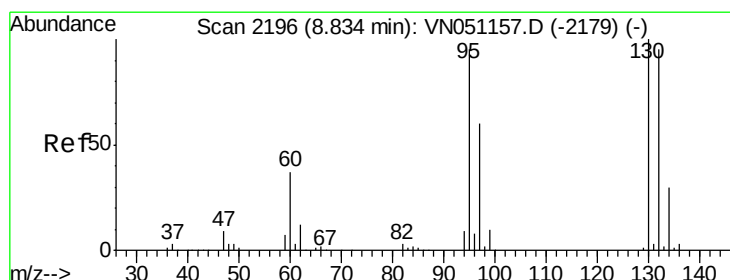
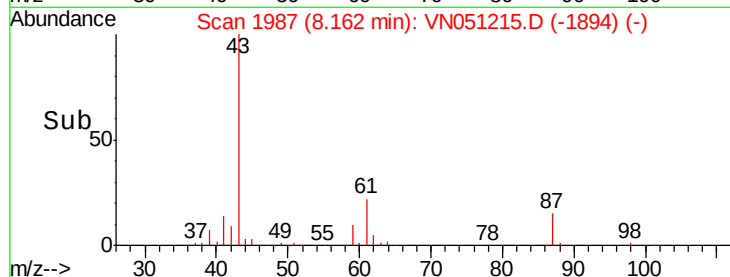
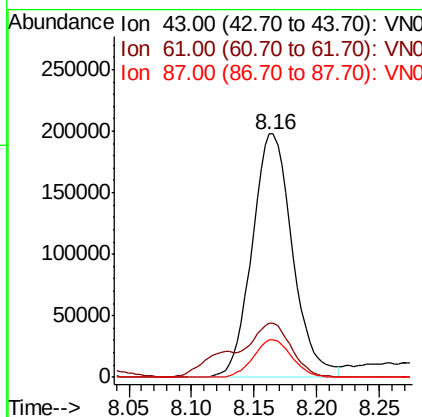
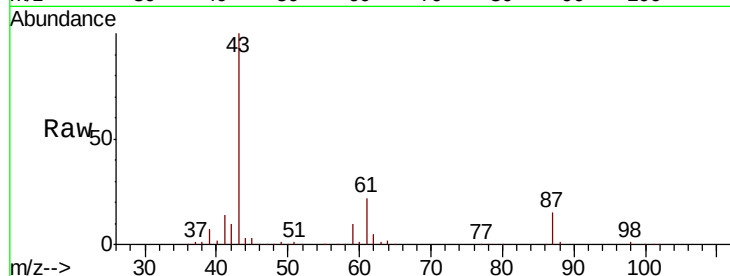
#43
Isopropyl Acetate
Concen: 42.69 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	25.0	37.6#
87	14.8	11.8	17.8

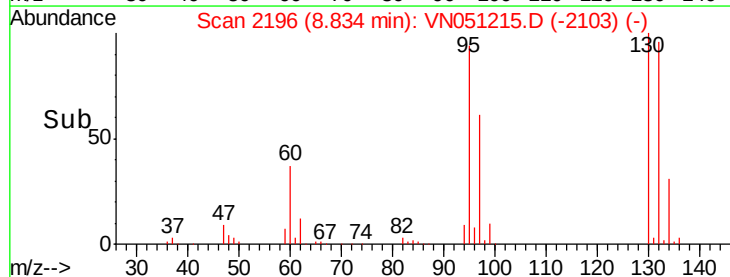
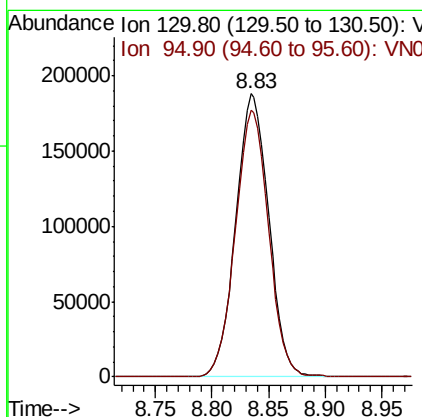
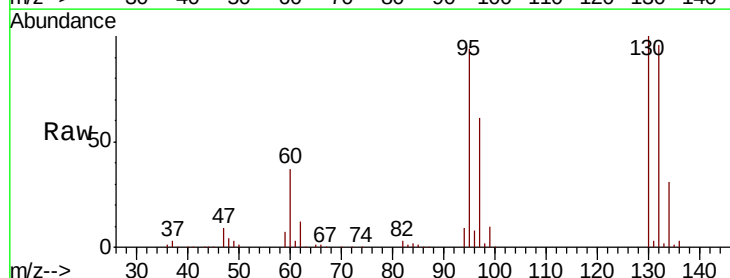
Manual Integrations
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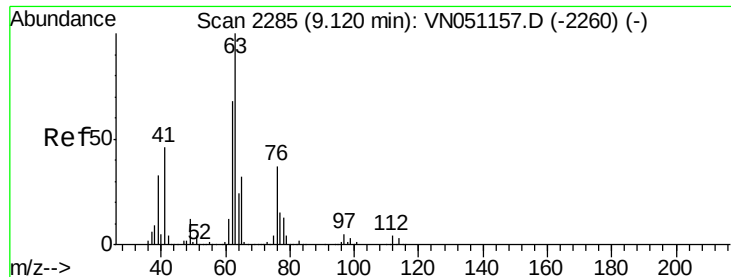
MMDadoda
9/18/2018 4:31:26 PM



#44
Trichloroethene
Concen: 45.79 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	186.2





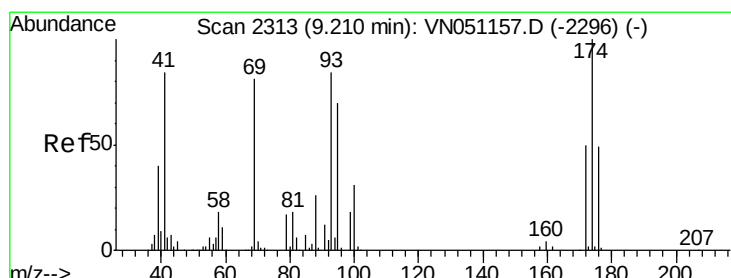
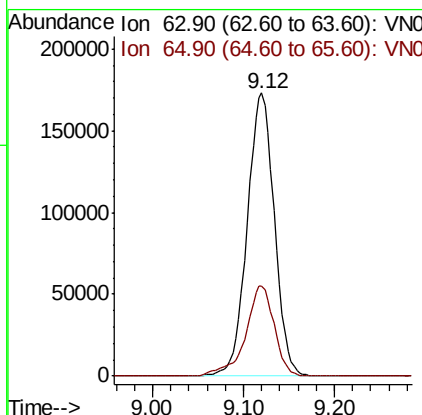
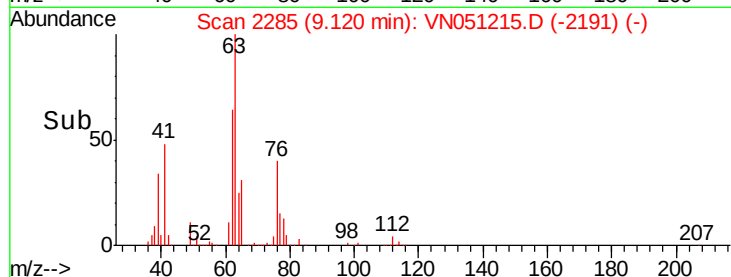
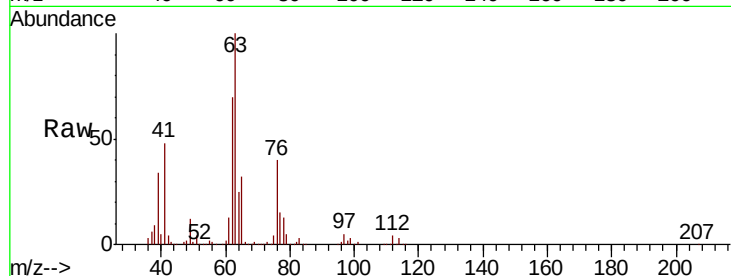
#45
 1,2-Dichloropropane
 Concen: 45.37 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 358648
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.7 37.1

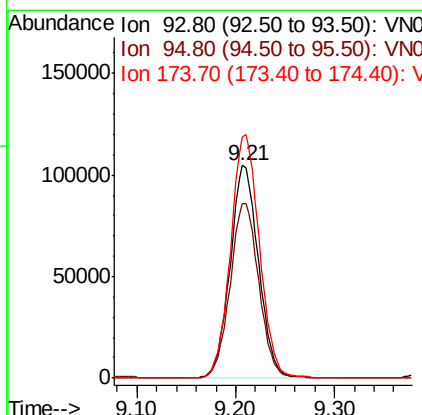
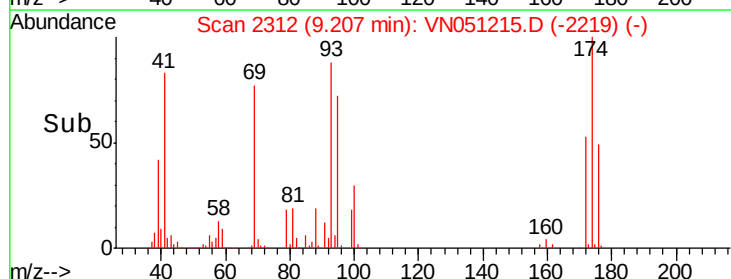
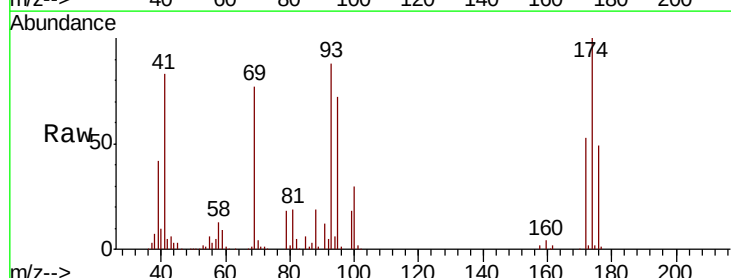
Manual Integrations
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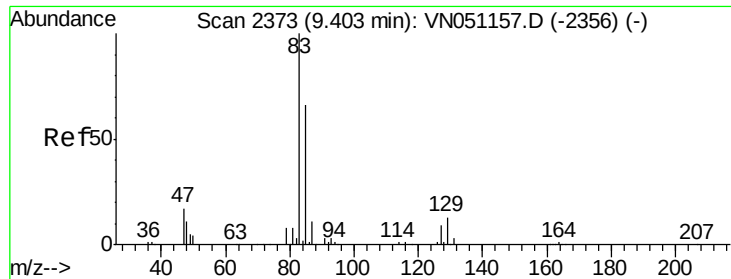
MMDadoda
 9/18/2018 4:31:26 PM



#46
 Dibromomethane
 Concen: 43.59 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion: 93 Resp: 210203
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.8 100.2
 174 116.3 93.3 139.9





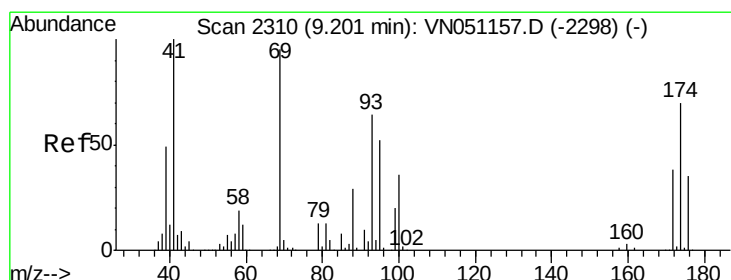
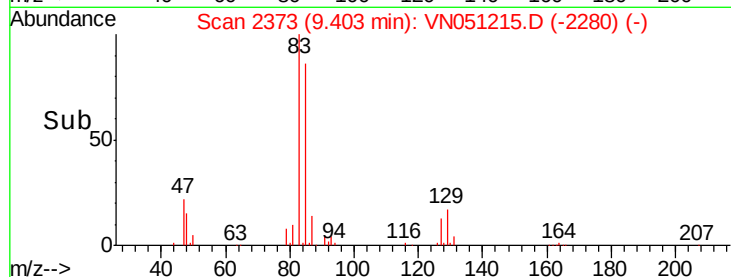
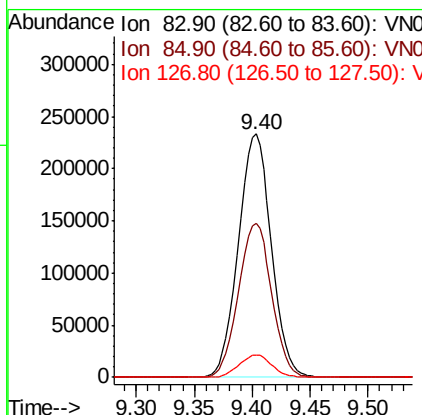
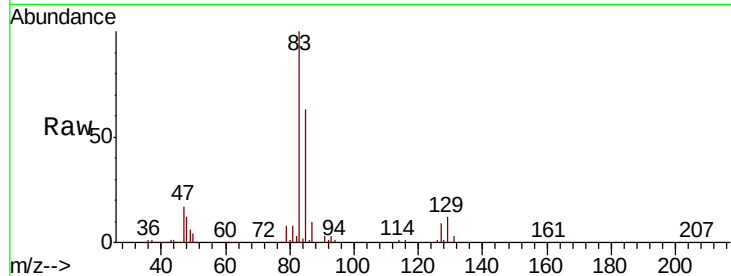
#47
Bromodichloromethane
Concen: 46.91 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	459963
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	52.3	78.5
127	9.2	7.5	11.3

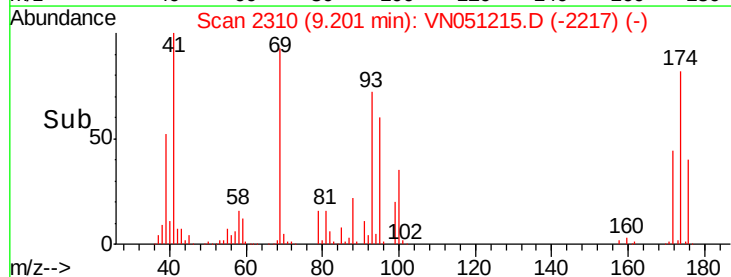
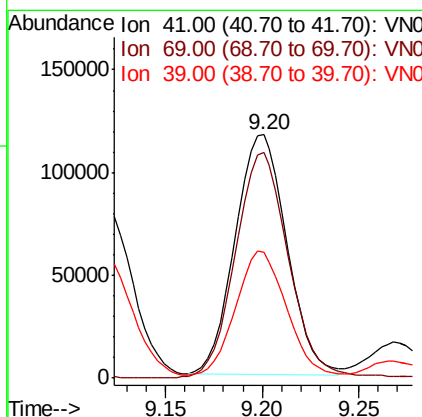
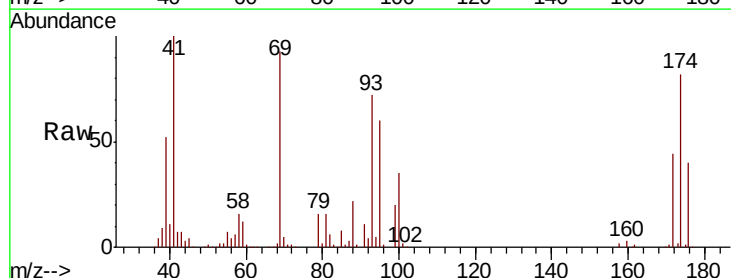
Manual Integrations
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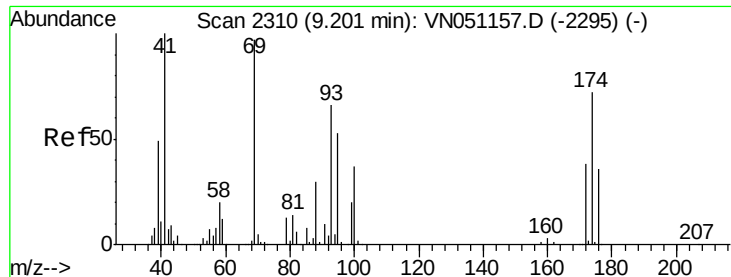
MMDadoda
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#48
Methyl methacrylate
Concen: 42.89 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	41	Resp	216828
Ion Ratio	100	Lower	Upper
41	100		
69	98.0	77.7	116.5
39	53.0	41.6	62.4





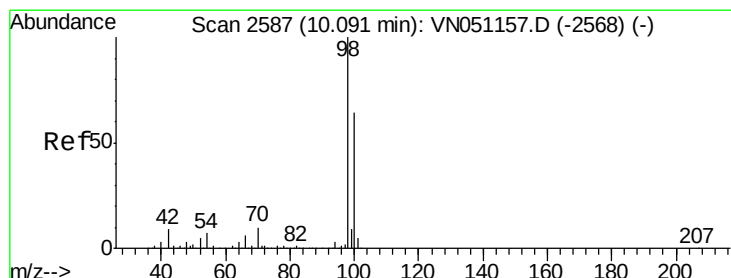
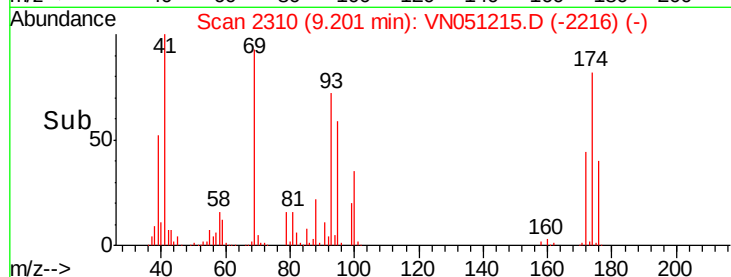
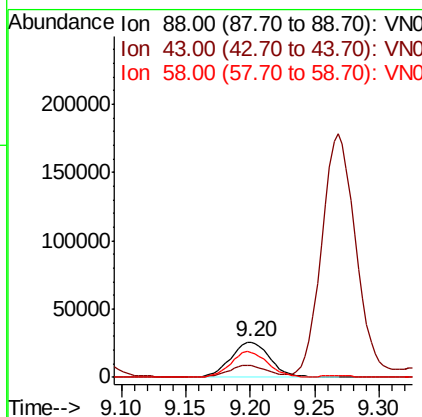
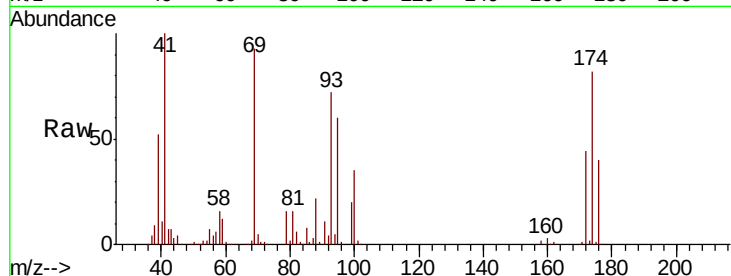
#49
1,4-Dioxane
Concen: 696.20 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	55192
Ion	Ratio	Lower	Upper
88	100		
43	30.0	23.7	35.5
58	69.0	54.6	82.0

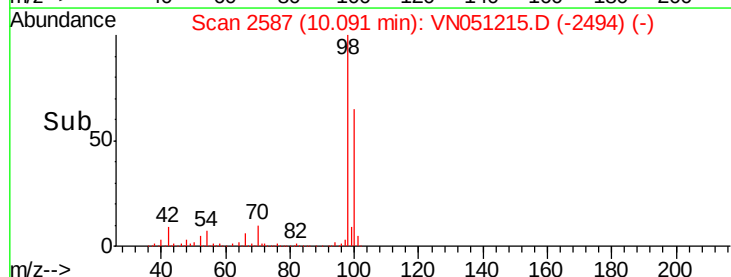
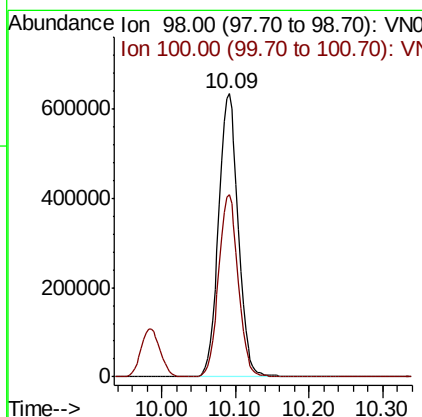
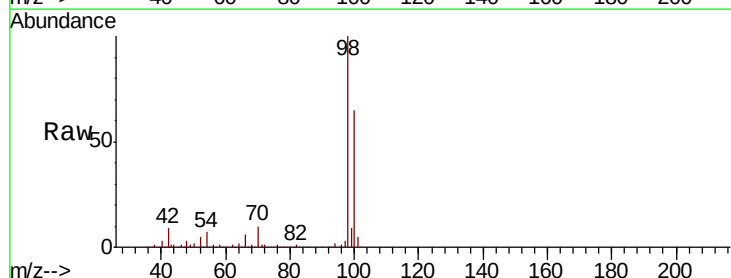
Manual Integrations
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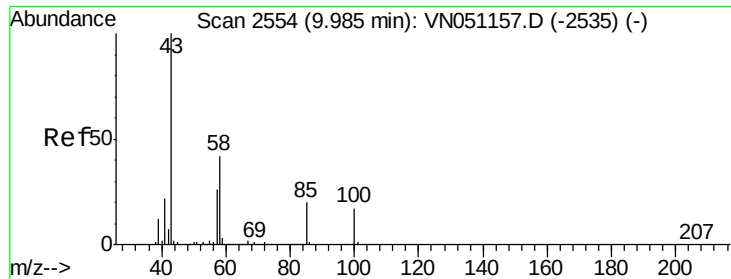
MMDadoda
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#50
Toluene-d8
Concen: 44.35 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	98	Resp	1169293
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0





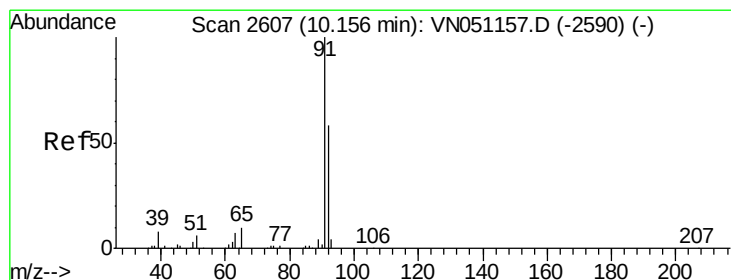
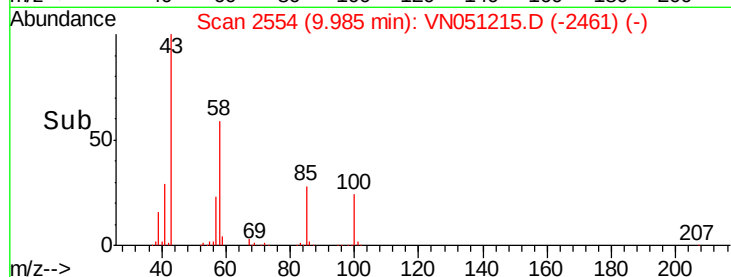
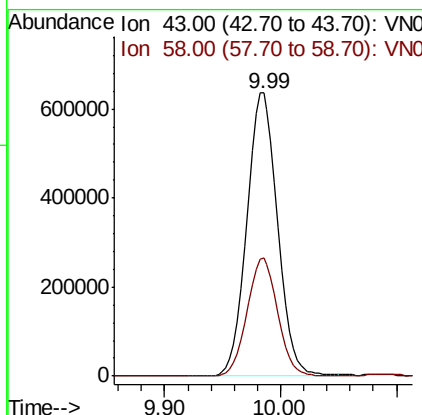
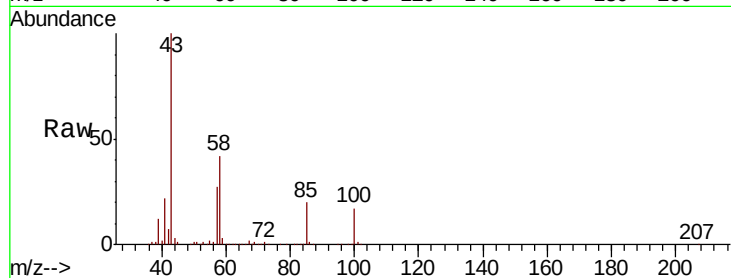
#51
 4-Methyl-2-Pentanone
 Concen: 204.73 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1174526
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.5 50.3

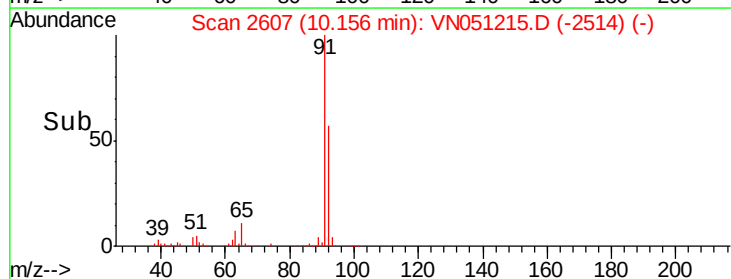
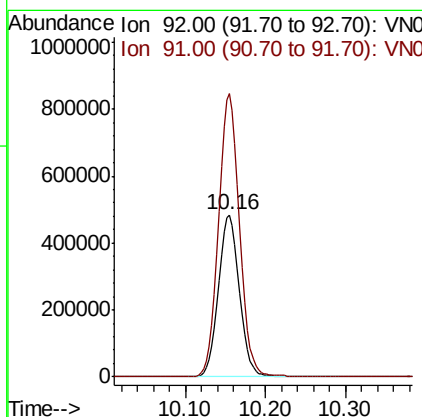
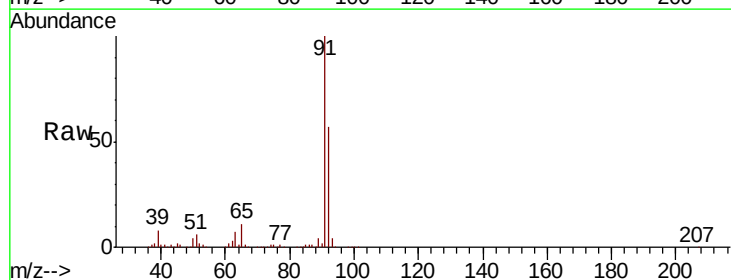
Manual Integrations
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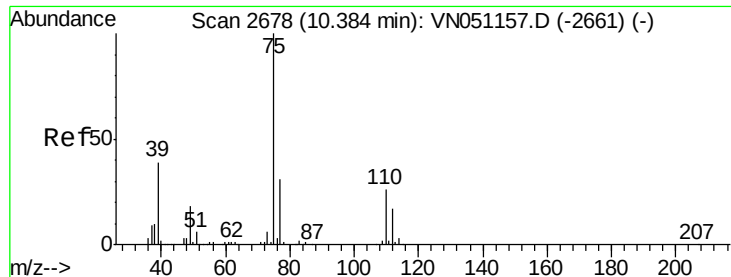
MMDadoda
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#52
 Toluene
 Concen: 47.35 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion: 92 Resp: 883143
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.5 209.3





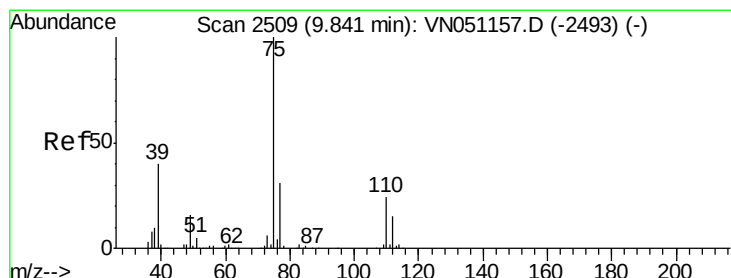
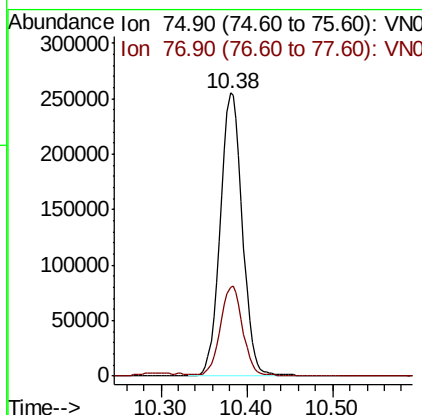
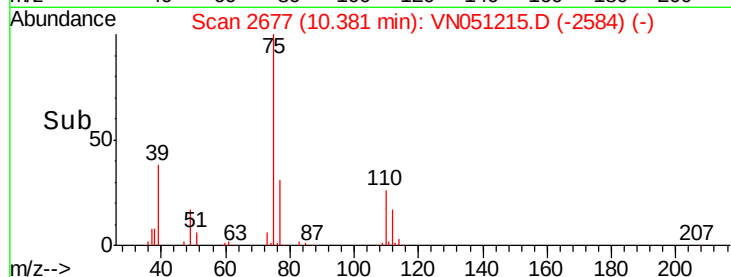
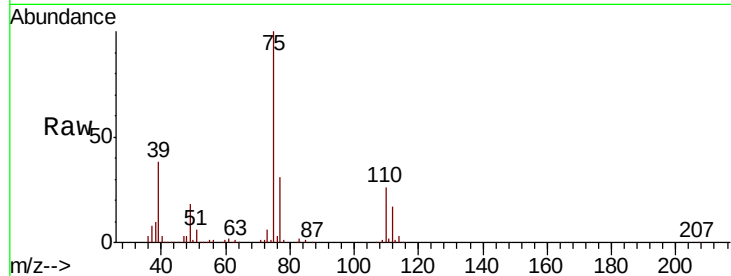
#53
 t-1,3-Dichloropropene
 Concen: 46.59 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 457233
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.3 37.9

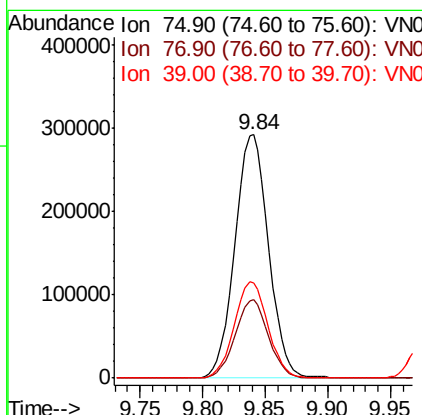
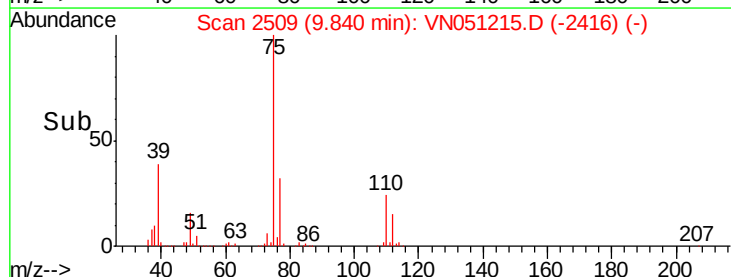
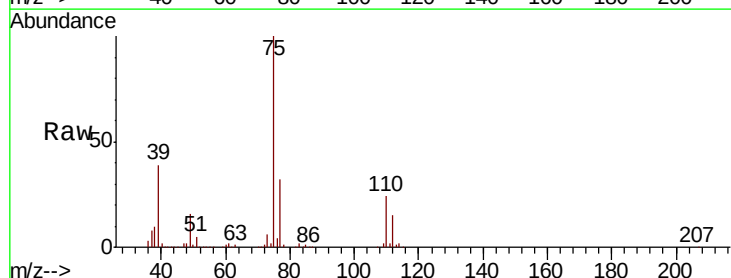
Manual Integrations
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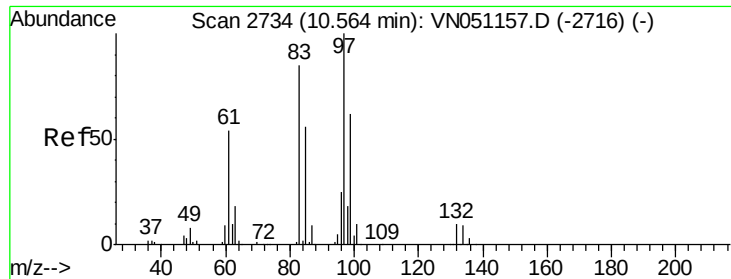
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 47.39 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion: 75 Resp: 545285
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.7 38.5
 39 39.2 31.9 47.9





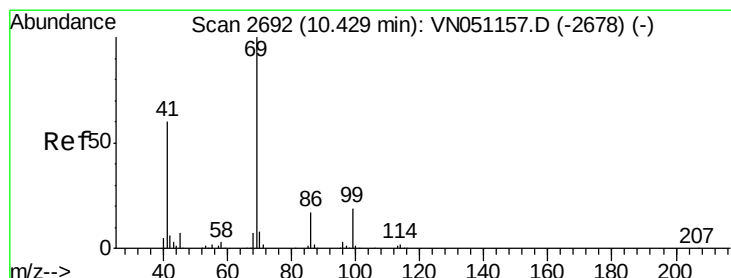
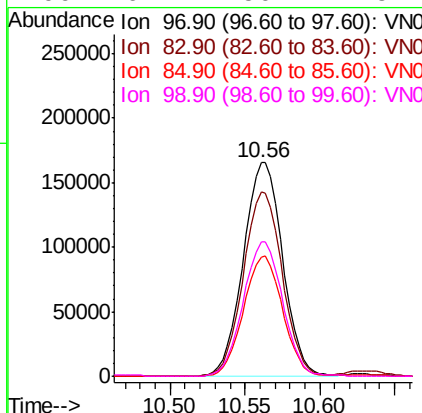
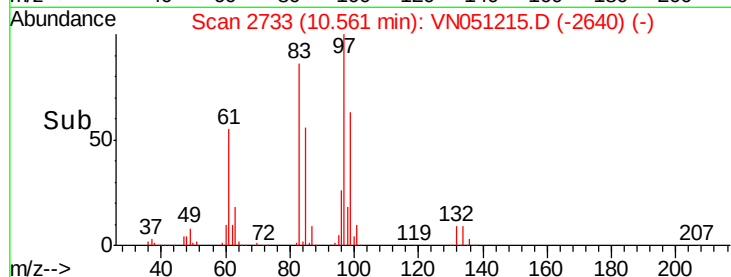
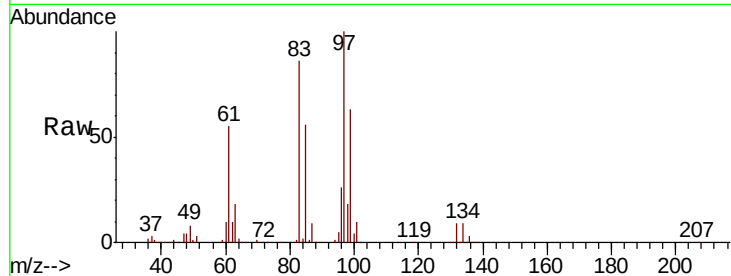
#55
 1,1,2-Trichloroethane
 Concen: 44.84 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	303810
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.2	102.2
85	56.0	44.8	67.2
99	62.7	50.2	75.4

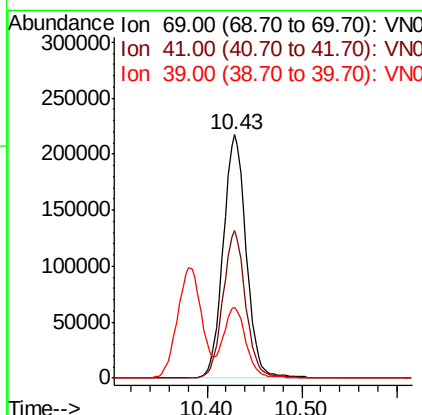
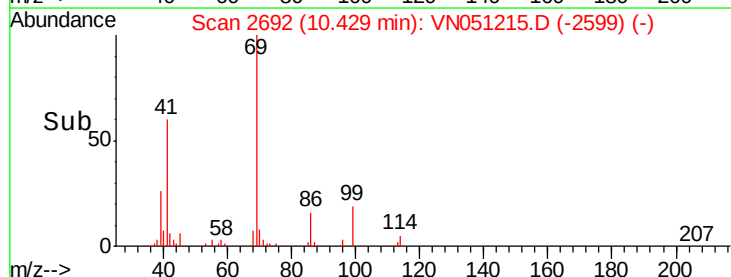
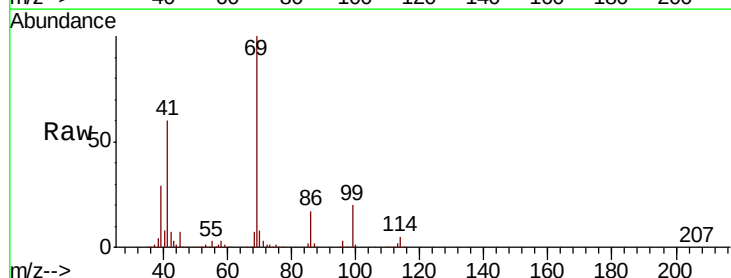
Manual Integrations
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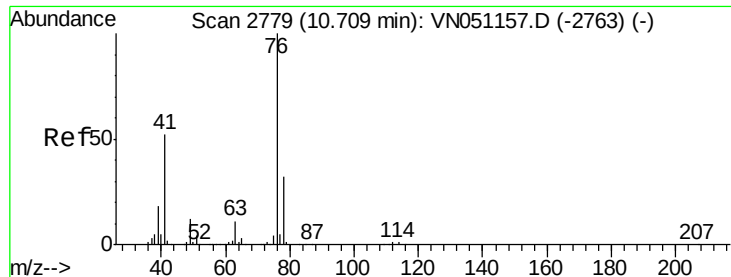
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#56
 Ethyl methacrylate
 Concen: 40.91 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion:	69	Resp:	367759
Ion	Ratio	Lower	Upper
69	100		
41	59.7	47.8	71.8
39	28.9	23.0	34.4





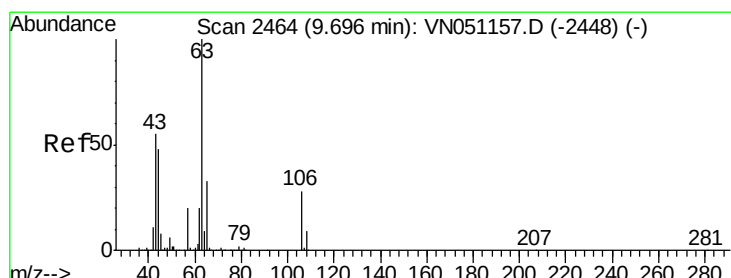
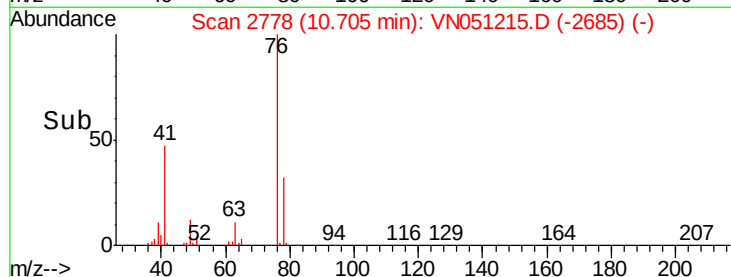
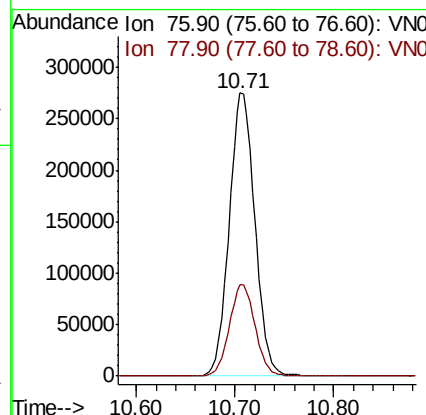
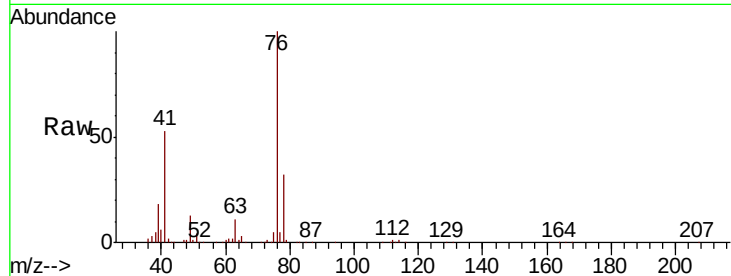
#57
 1,3-Dichloropropane
 Concen: 44.62 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.1	39.1

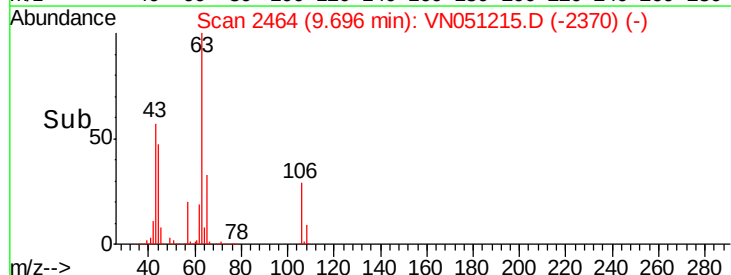
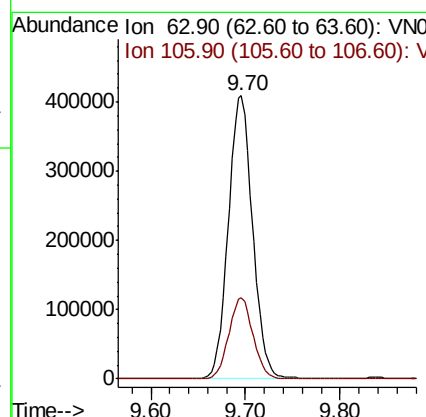
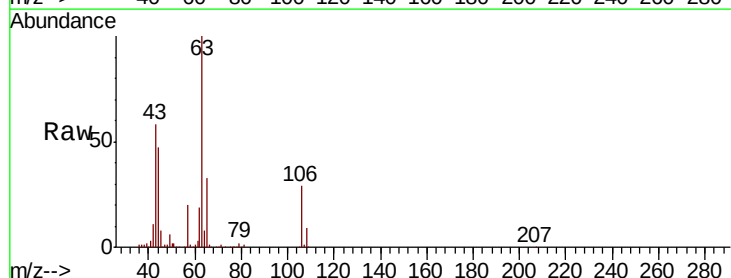
Manual Integrations
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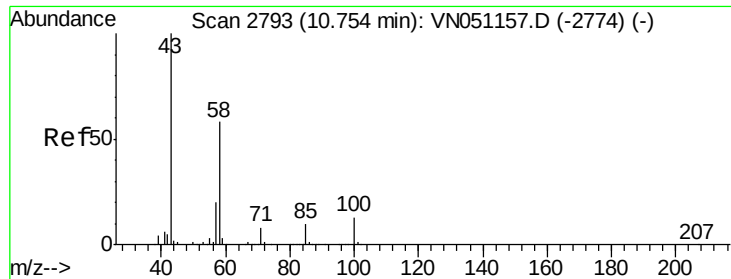
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 9/18/2018 4:31:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 194.85 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.5	33.7





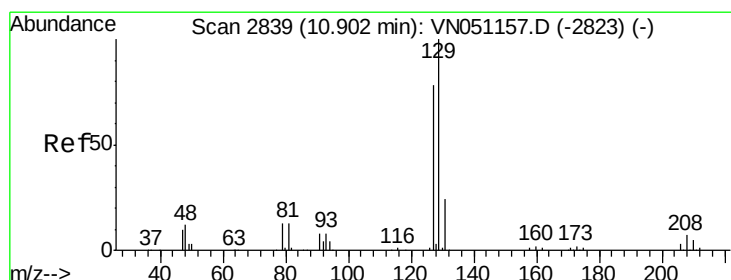
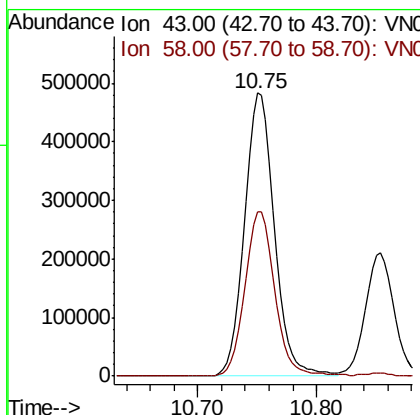
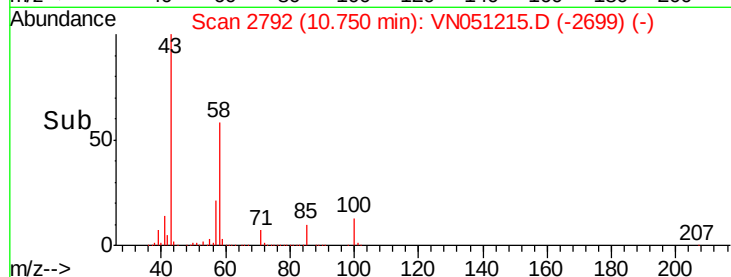
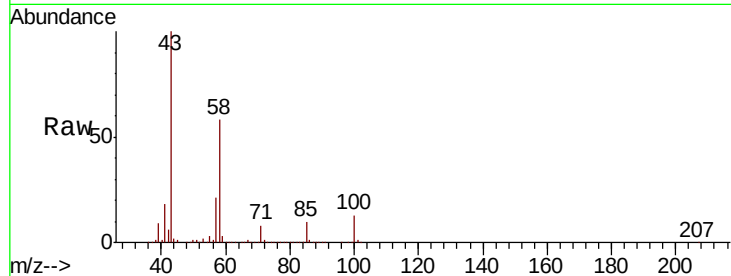
#59
2-Hexanone
Concen: 215.88 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 839917
Ion Ratio Lower Upper
43 100
58 58.2 29.3 88.0

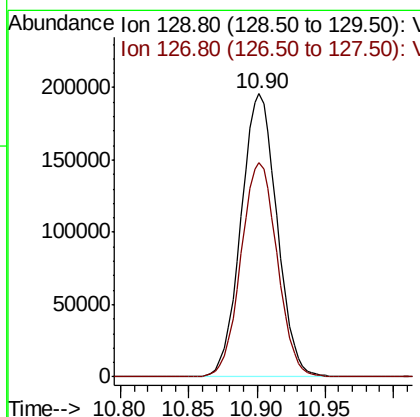
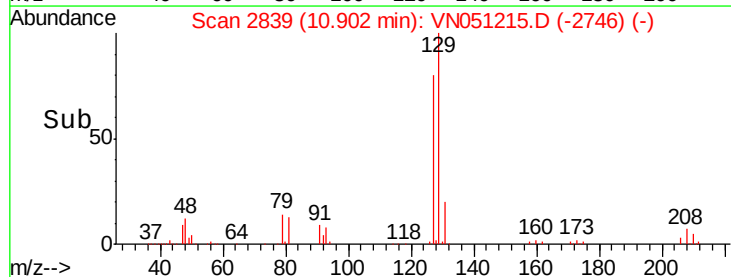
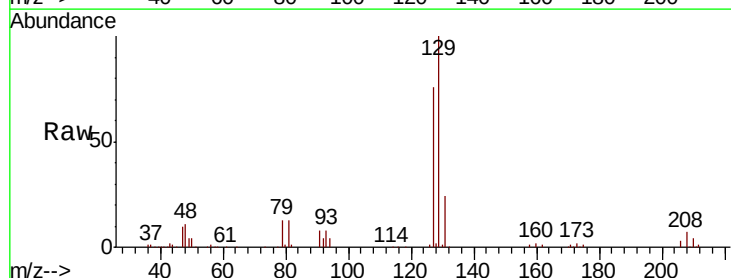
Manual Integrations
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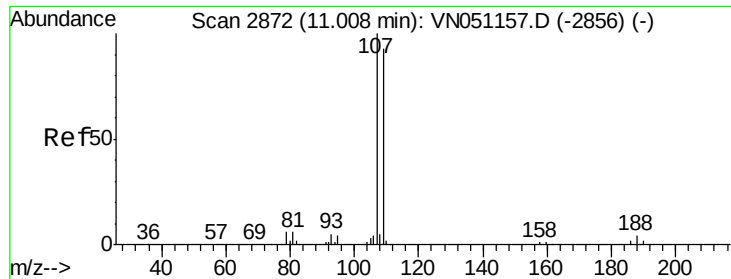
MMDadoda
9/18/2018 4:31:26 PM



#60
Dibromochloromethane
Concen: 46.92 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion: 129 Resp: 358369
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





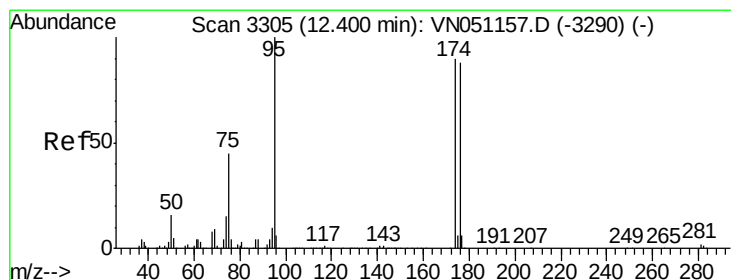
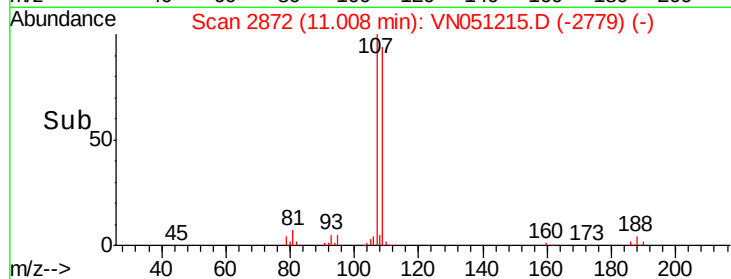
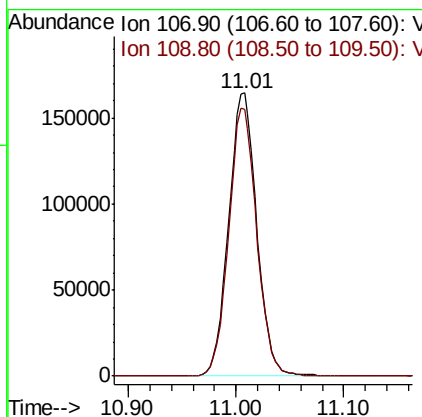
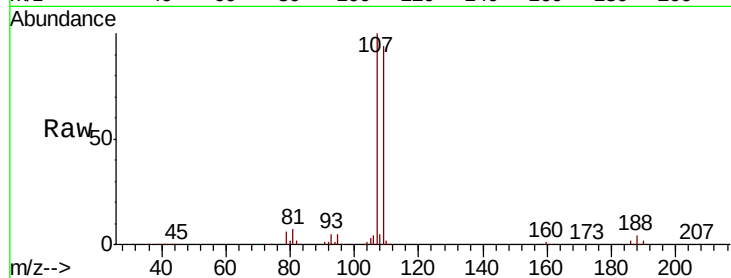
#61
 1,2-Dibromoethane
 Concen: 45.04 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	298312		
109	94.6	76.0	114.0	

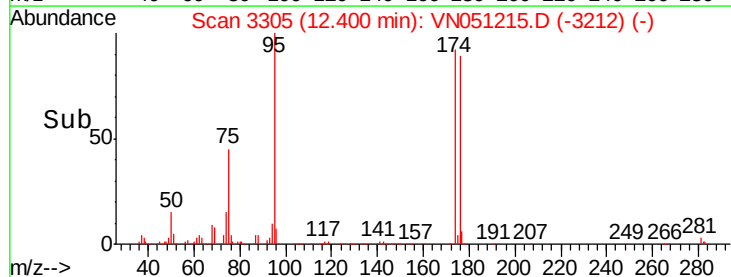
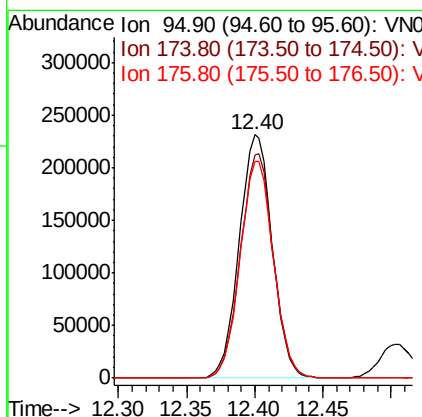
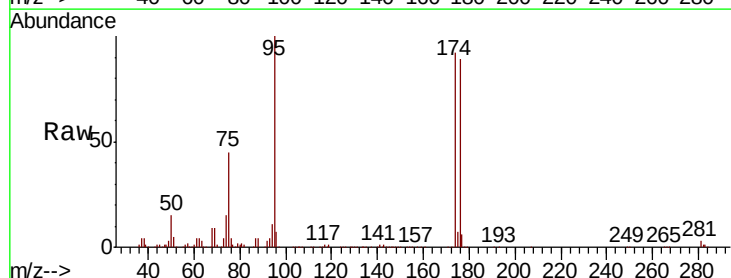
Manual Integrations
 APPROVED

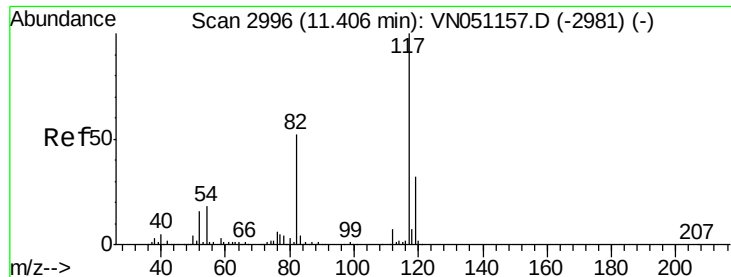
MMDadoda
 9/18/2018 4:31:26 PM



#62
 4-Bromofluorobenzene
 Concen: 44.49 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	387961		
174	92.3	0.0	184.8	
176	89.9	0.0	178.6	





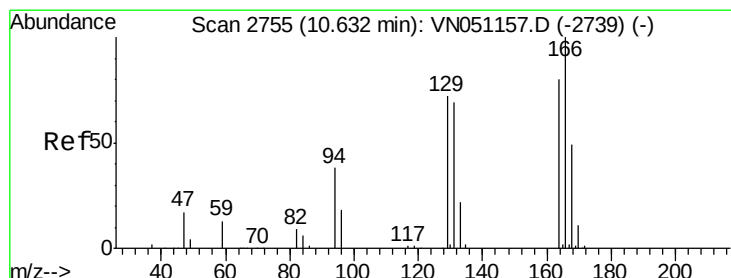
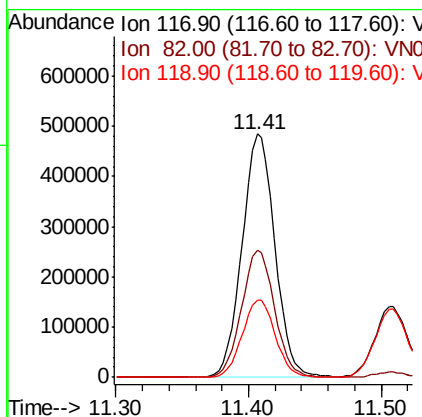
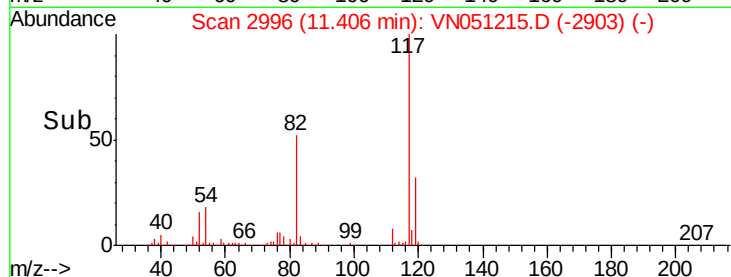
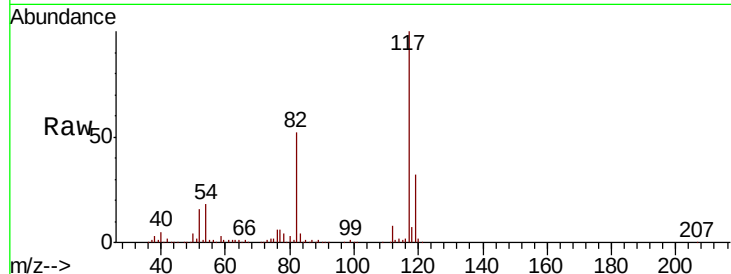
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.6
119	31.9	26.2	39.2

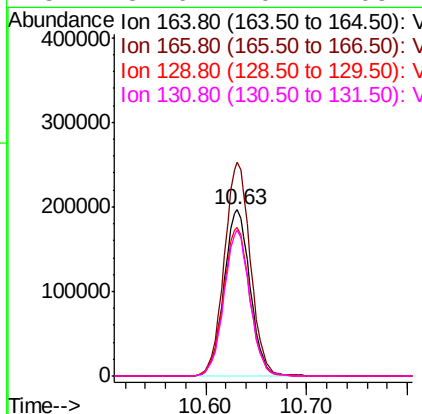
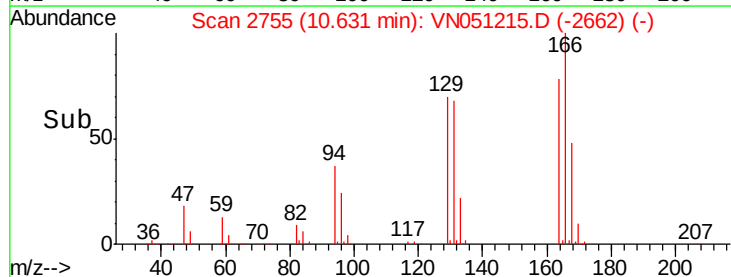
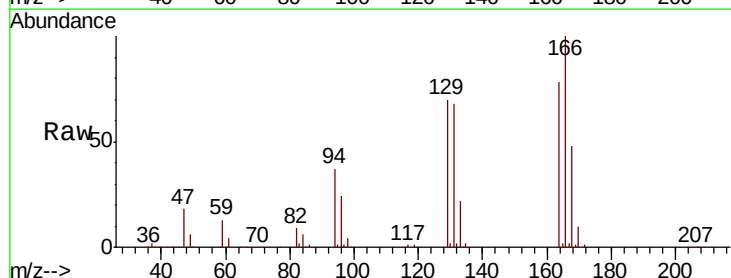
Manual Integrations
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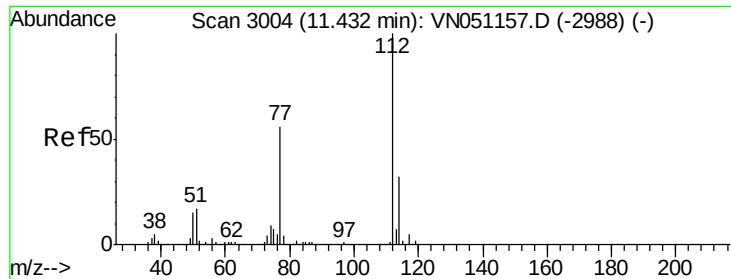
MMDadoda
9/18/2018 4:31:26 PM



#64
Tetrachloroethene
Concen: 46.51 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.3	151.9
129	89.7	72.2	108.2
131	87.6	70.2	105.2





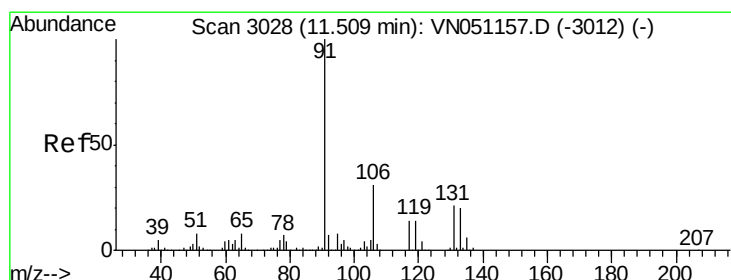
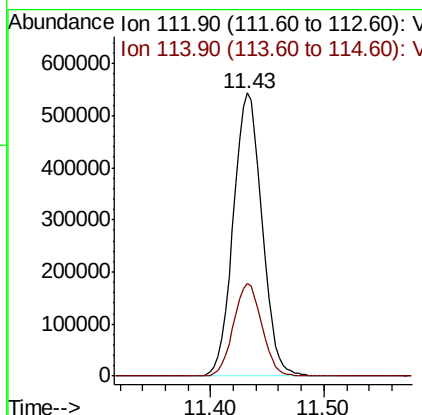
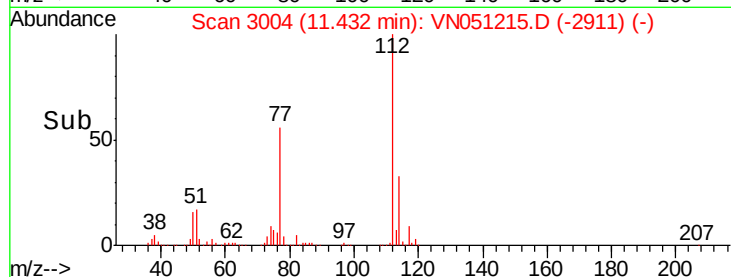
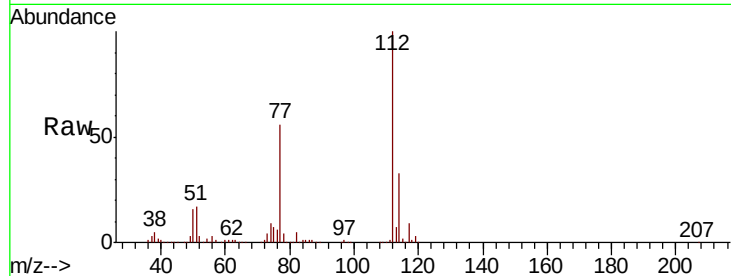
#65
Chlorobenzene
Concen: 45.69 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.6

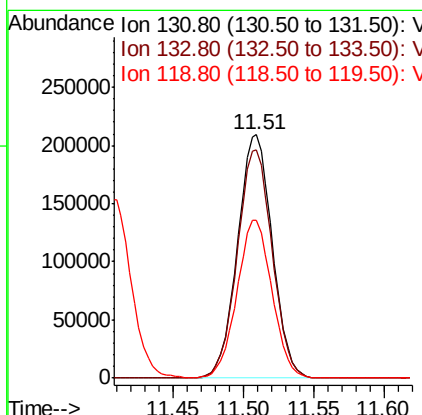
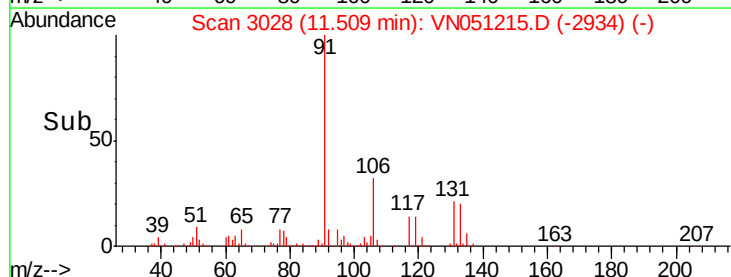
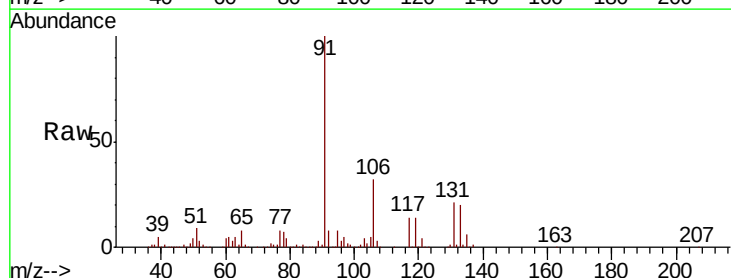
Manual Integrations
APPROVED

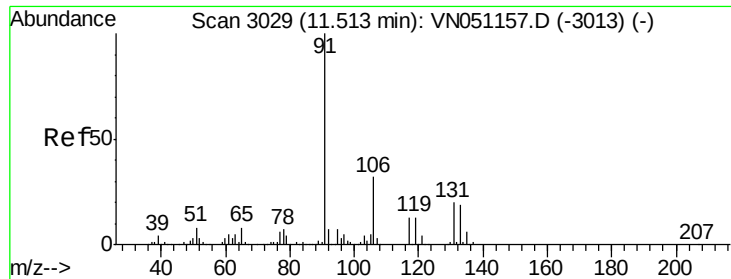
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.66 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.5	142.6
119	65.3	33.2	99.6





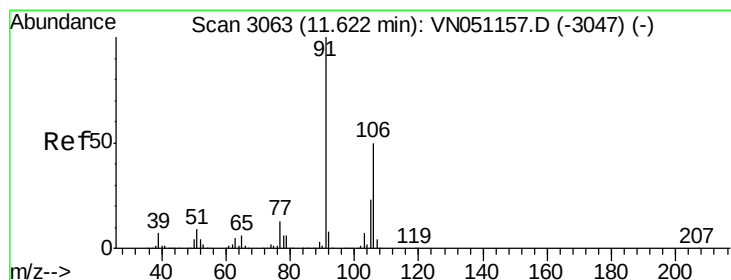
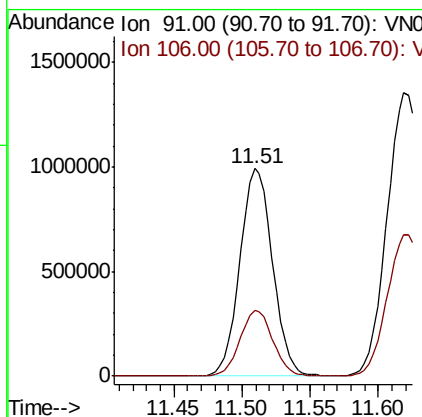
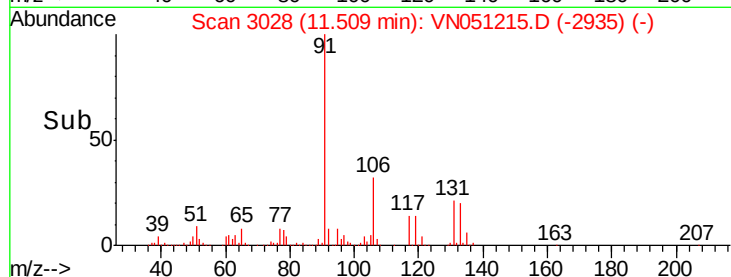
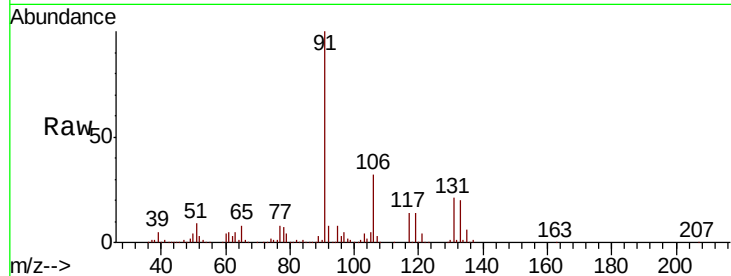
#67
Ethyl Benzene
Concen: 48.49 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1650702
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

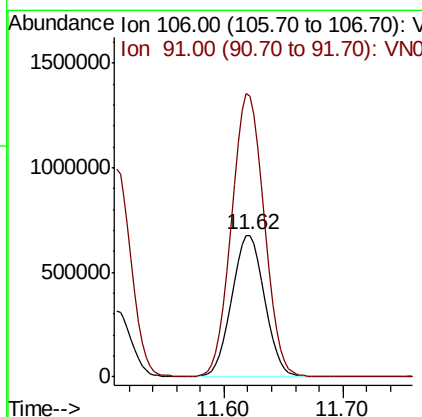
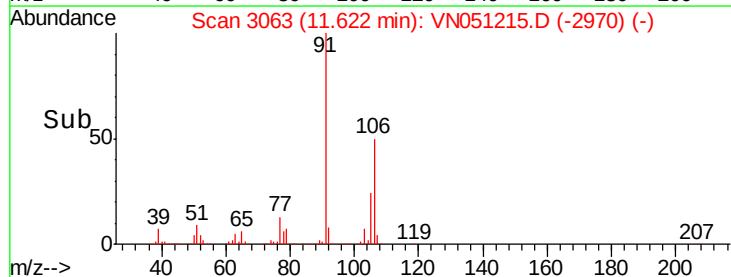
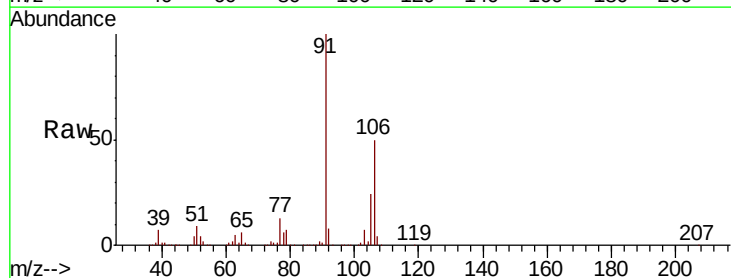
Manual Integrations
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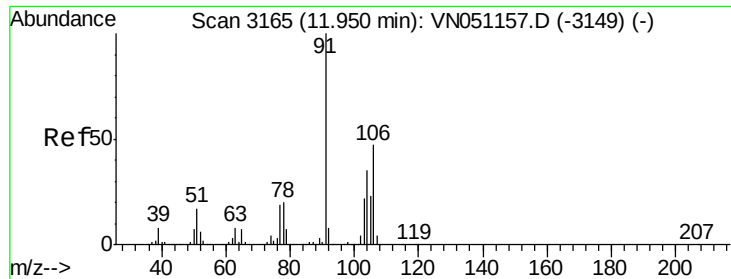
MMDadoda
9/18/2018 4:31:26 PM



#68
m/p-Xylenes
Concen: 99.15 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051215.D
Acq: 15 Sep 2018 10:43

Tgt Ion: 106 Resp: 1296863
Ion Ratio Lower Upper
106 100
91 198.7 159.8 239.6





#69

o-Xylene

Concen: 48.55 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:106 Resp: 614966

Ion Ratio Lower Upper

106 100

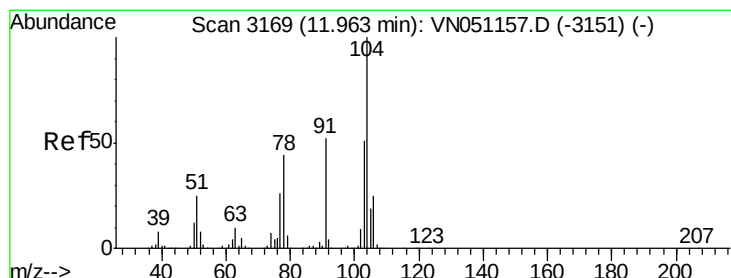
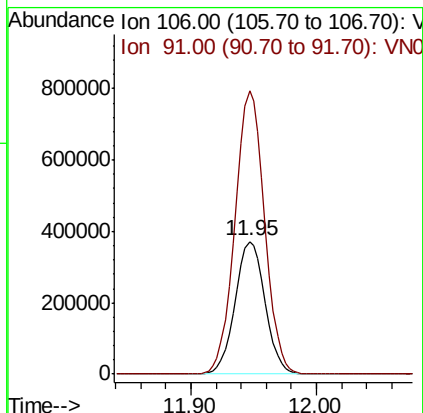
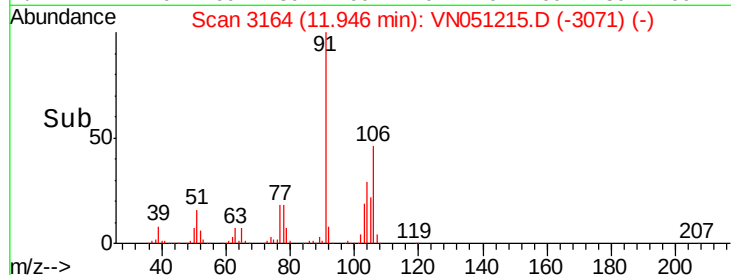
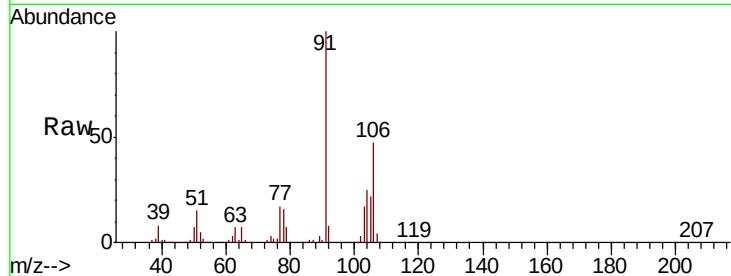
91 210.9 105.1 315.1

Manual Integrations

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#70

Styrene

Concen: 49.88 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

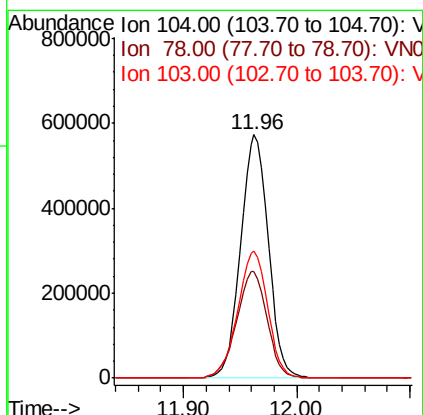
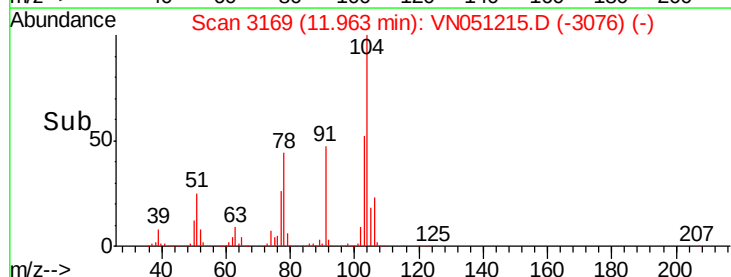
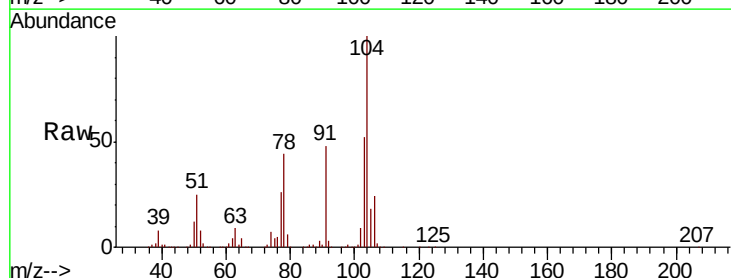
Tgt Ion:104 Resp: 980135

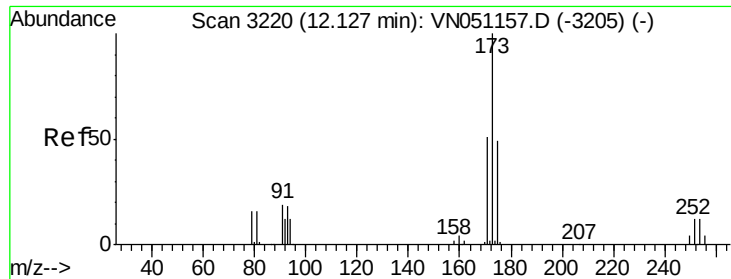
Ion Ratio Lower Upper

104 100

78 48.0 37.7 56.5

103 56.4 44.6 67.0





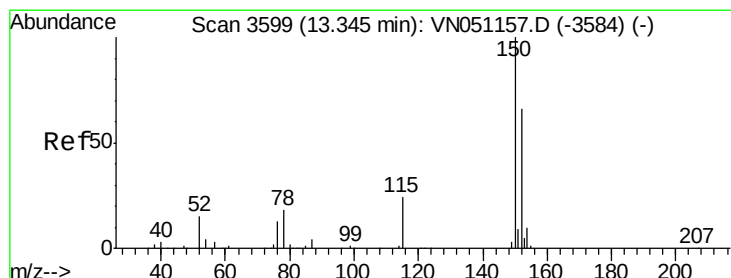
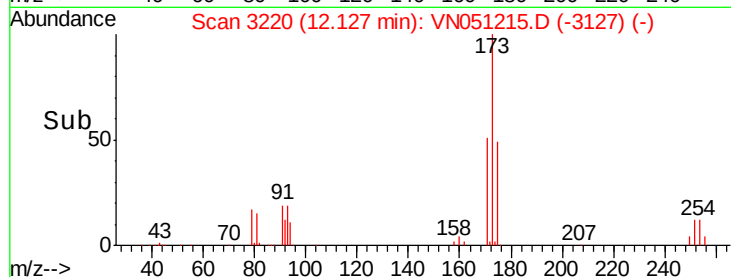
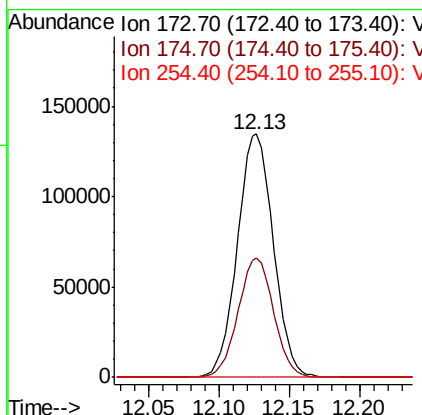
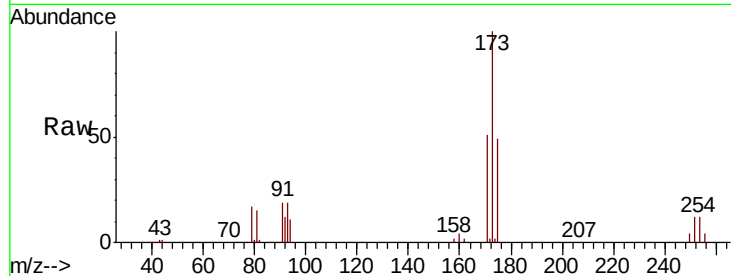
#71
 Bromoform
 Concen: 45.21 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	0.0	0.0	0.0

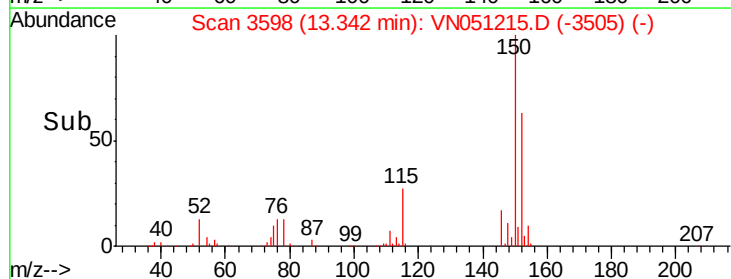
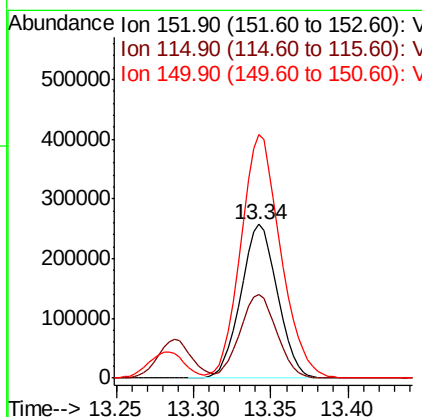
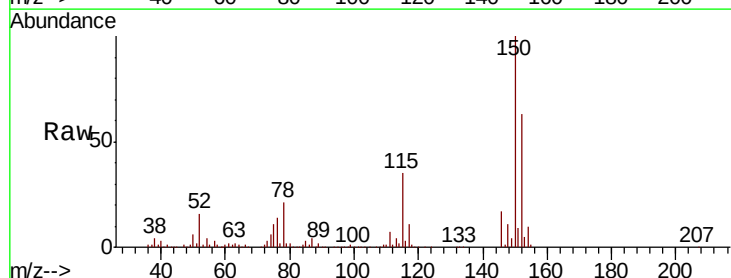
Manual Integrations
 APPROVED

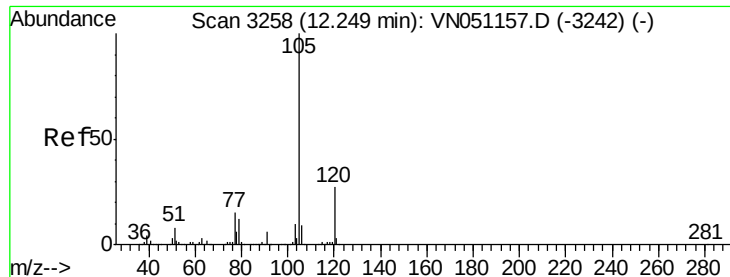
MMDadoda
 9/18/2018 4:31:26 PM



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.2	84.7
150	172.7	0.0	349.0





#73

Isopropylbenzene

Concen: 46.08 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1632169

Ion Ratio Lower Upper

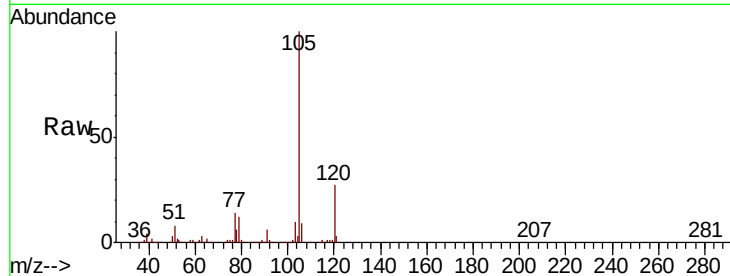
105 100

120 27.3 13.6 40.7

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

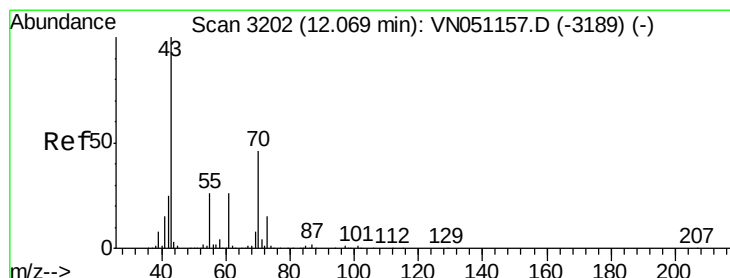
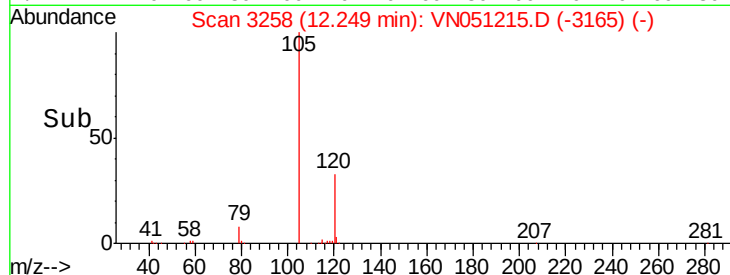
400000

200000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 38.11 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Tgt Ion: 43 Resp: 339749

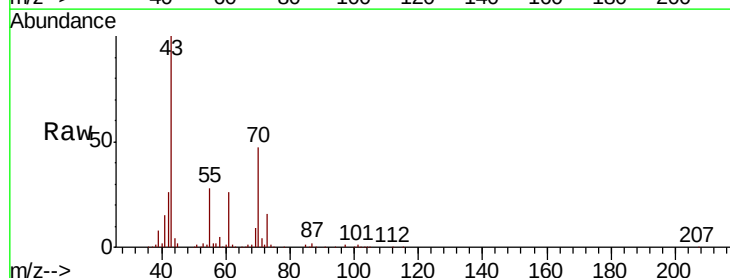
Ion Ratio Lower Upper

43 100

70 47.5 37.0 55.4

55 28.0 21.3 31.9

61 26.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

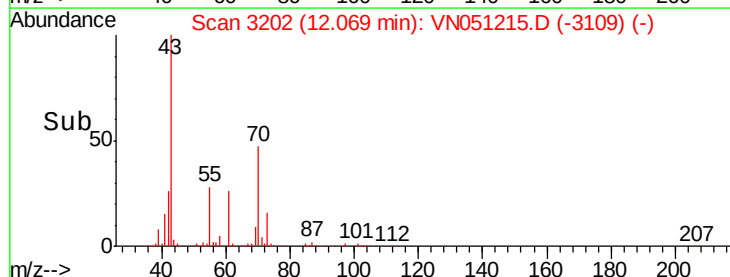
200000

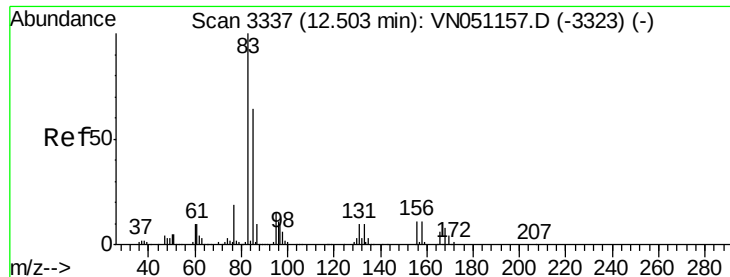
100000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.08 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 359772

Ion Ratio Lower Upper

83 100

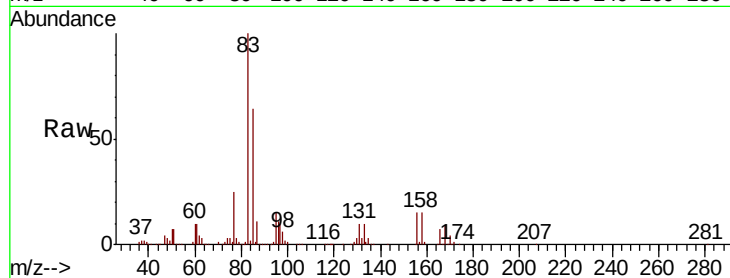
131 10.8 5.3 16.1

85 64.2 32.3 96.8

Manual Integrations
APPROVED

MMDadoda

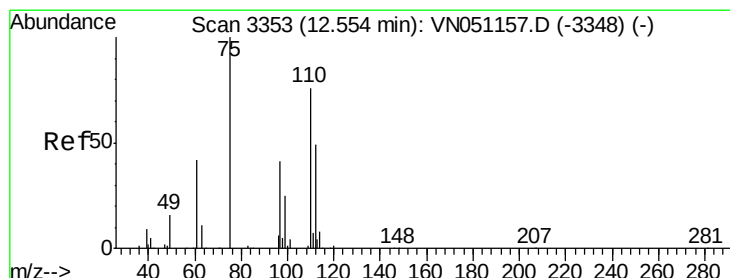
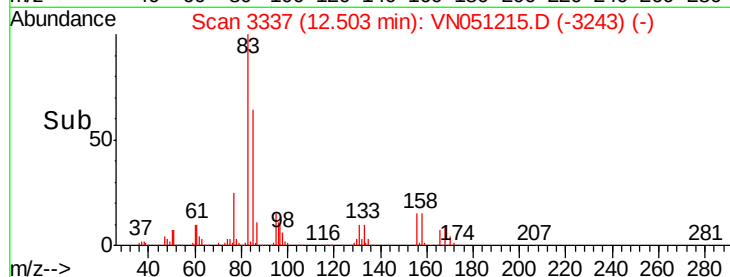
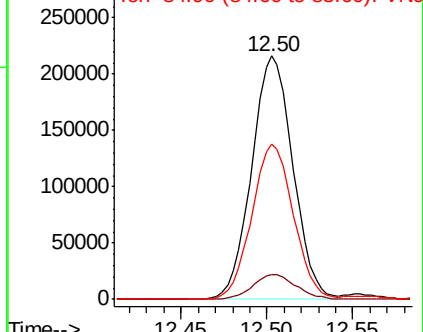
9/18/2018 4:31:26 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 45.29 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051215.D

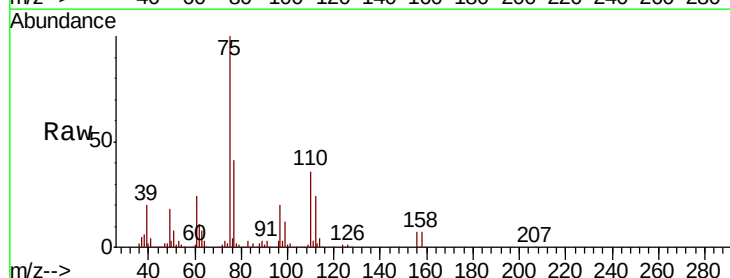
Acq: 15 Sep 2018 10:43

Tgt Ion: 75 Resp: 297531

Ion Ratio Lower Upper

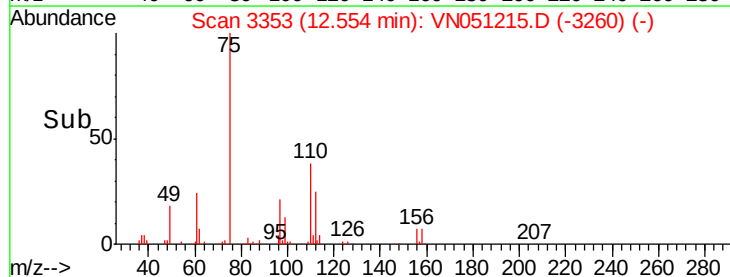
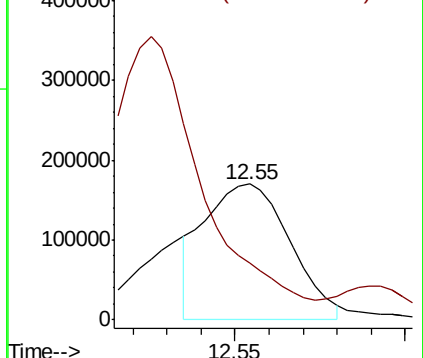
75 100

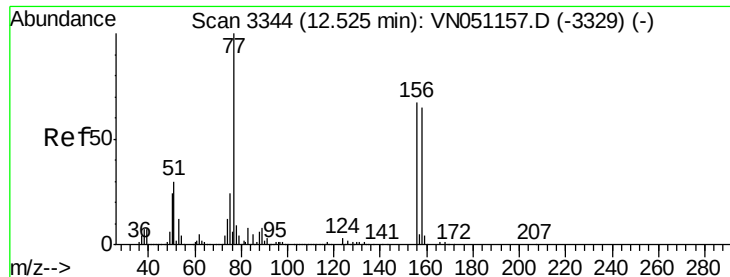
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 43.49 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

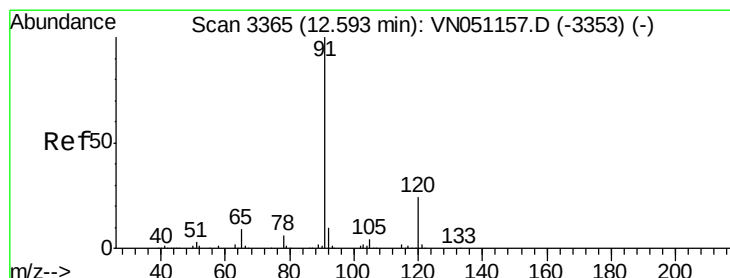
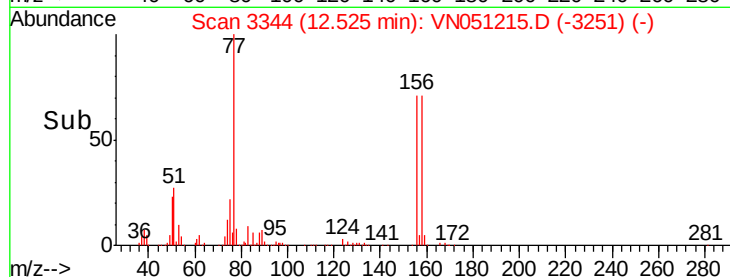
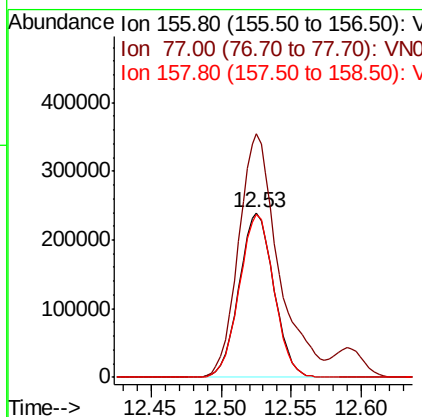
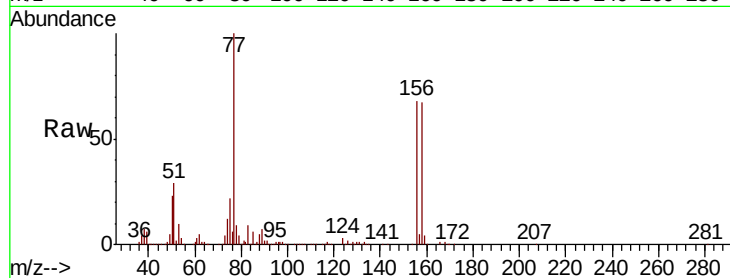
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	413755
Ion Ratio	Lower	Upper	
156	100		
77	169.2	87.5	262.6
158	98.4	49.0	147.2

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#78

n-propylbenzene

Concen: 46.99 ug/l

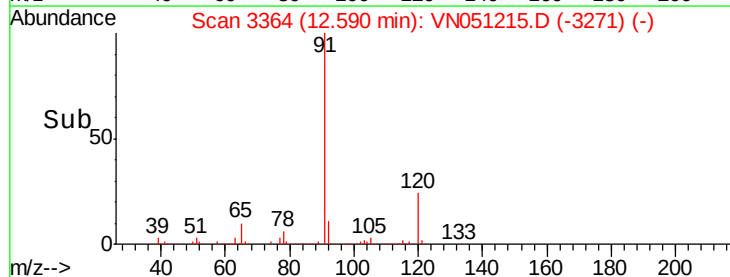
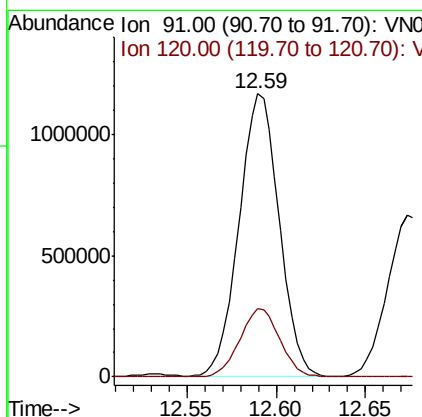
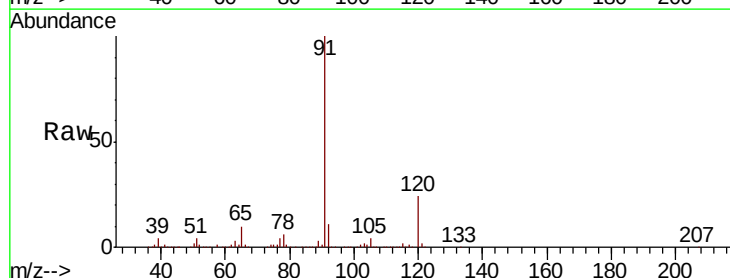
RT: 12.59 min Scan# 3364

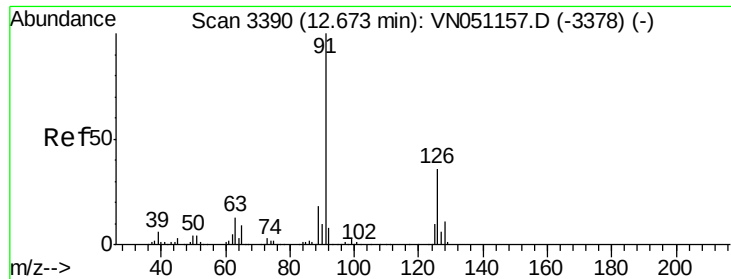
Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Tgt Ion:	91	Resp:	1829512
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 44.79 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1090120

Ion Ratio Lower Upper

91 100

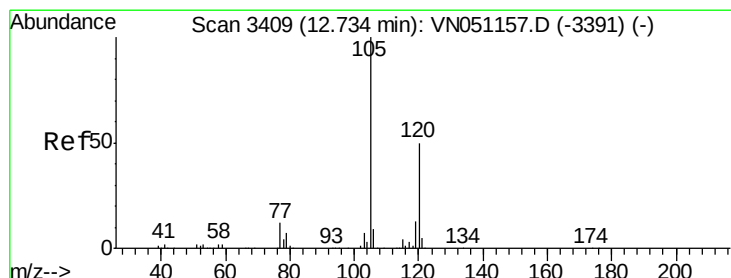
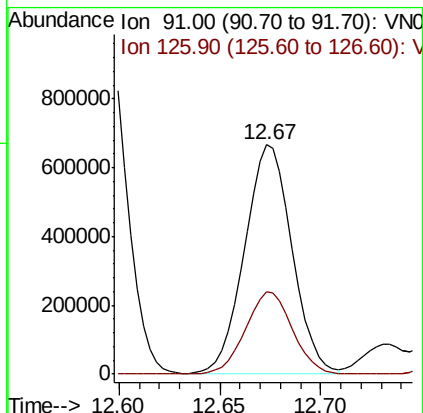
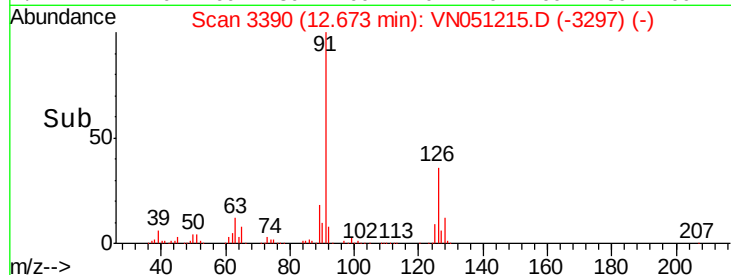
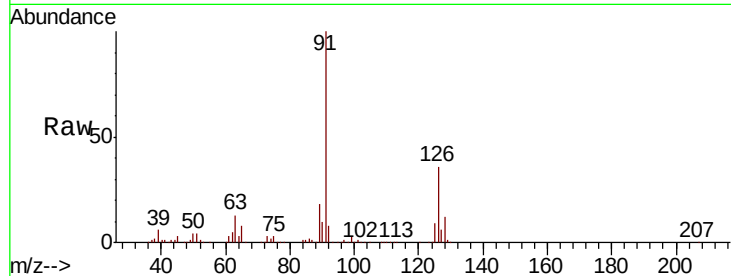
126 35.8 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 47.02 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051215.D

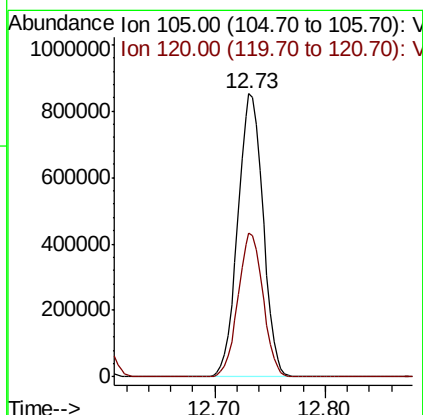
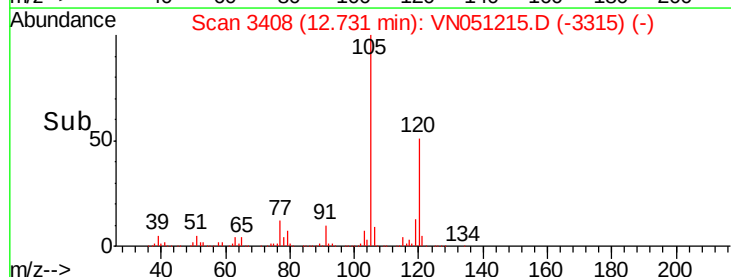
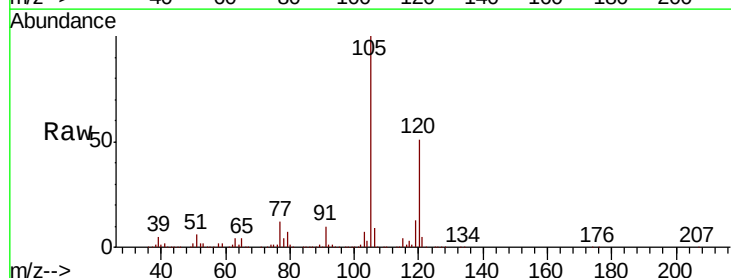
Acq: 15 Sep 2018 10:43

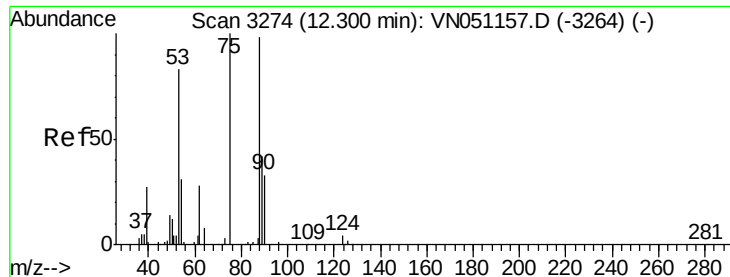
Tgt Ion: 105 Resp: 1346496

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 40.60 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

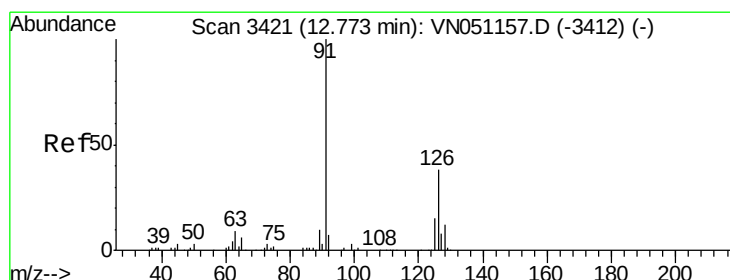
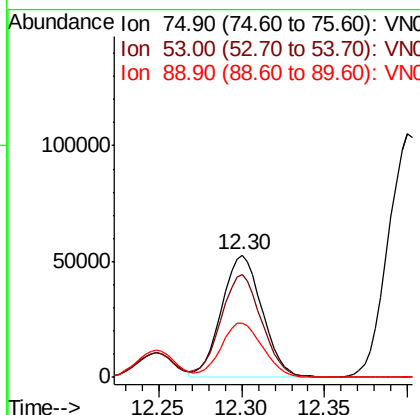
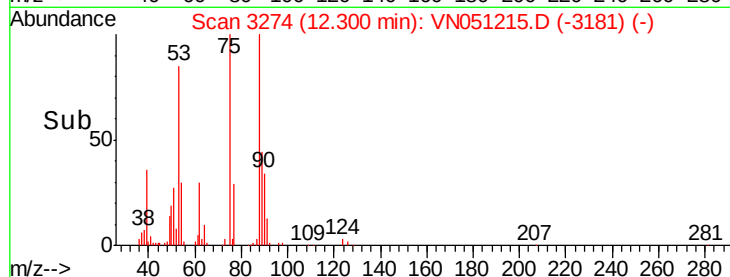
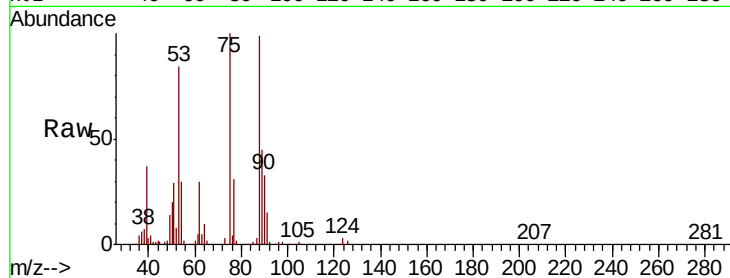
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	90308
Ion	Ratio	Lower	Upper
75	100		
53	84.6	67.8	101.8
89	45.4	36.0	54.0

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#82

4-Chlorotoluene

Concen: 44.74 ug/l

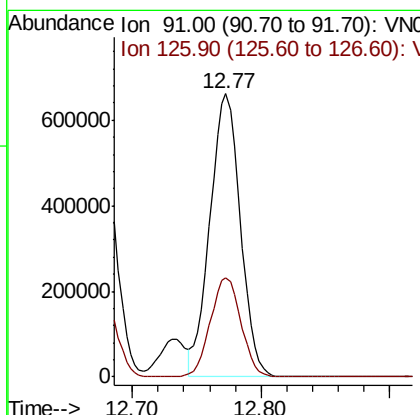
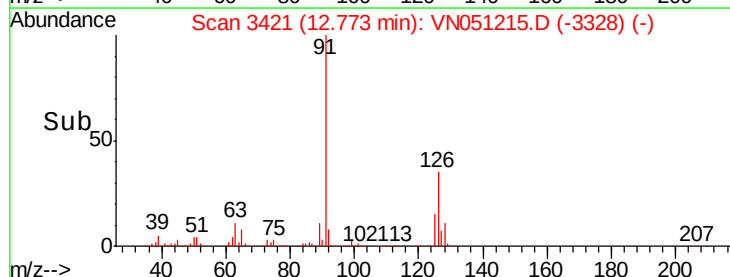
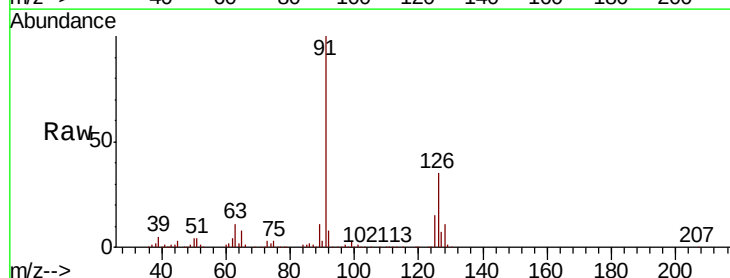
RT: 12.77 min Scan# 3421

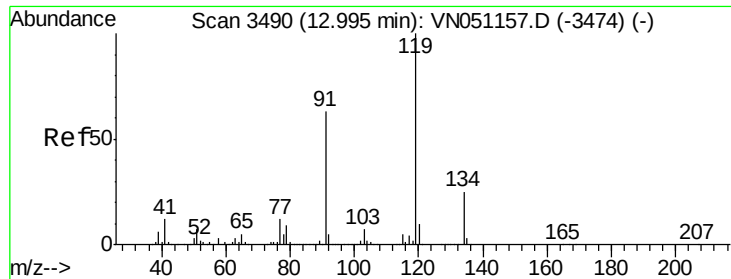
Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Tgt Ion:	91	Resp:	1080716
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.6	52.8





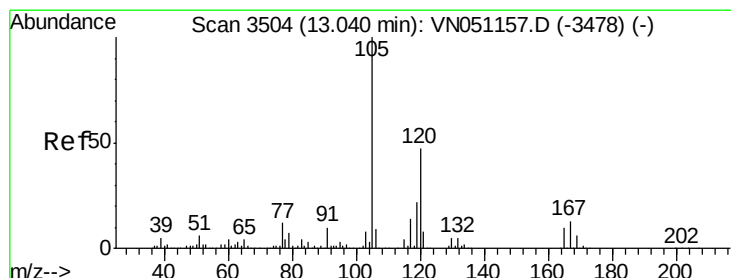
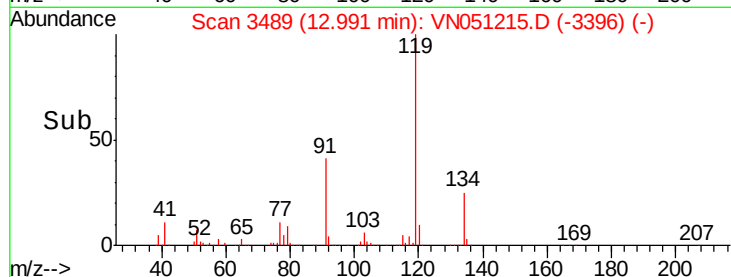
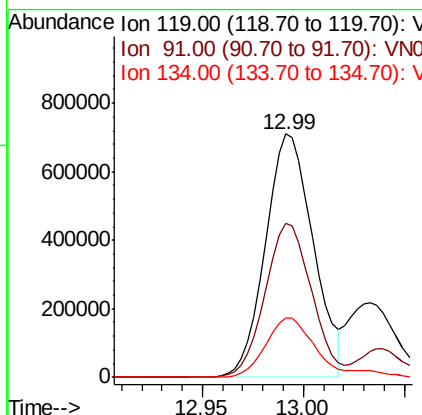
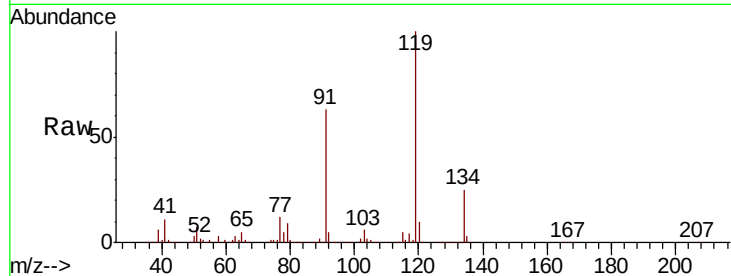
#83
 tert-Butylbenzene
 Concen: 46.18 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.8	92.3
134	24.8	13.2	39.6

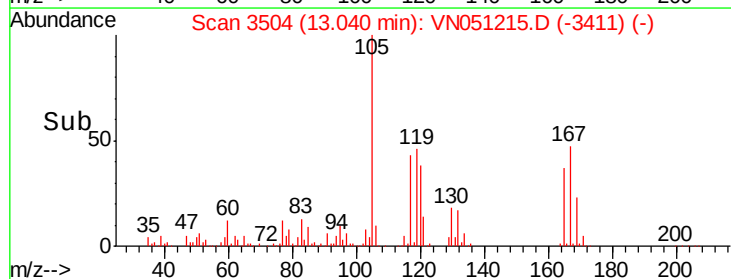
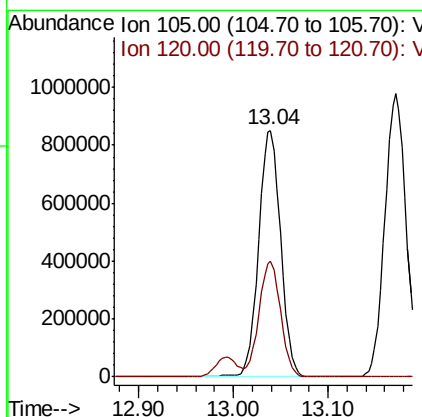
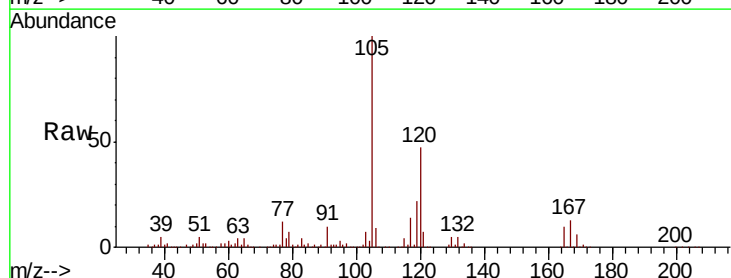
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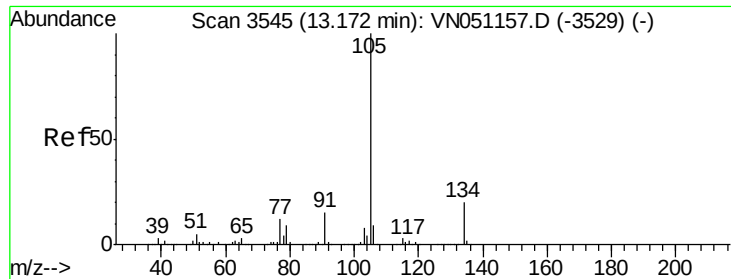
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.63 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.3	69.8





#85

sec-Butylbenzene

Concen: 47.14 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1528608

Ion Ratio Lower Upper

105 100

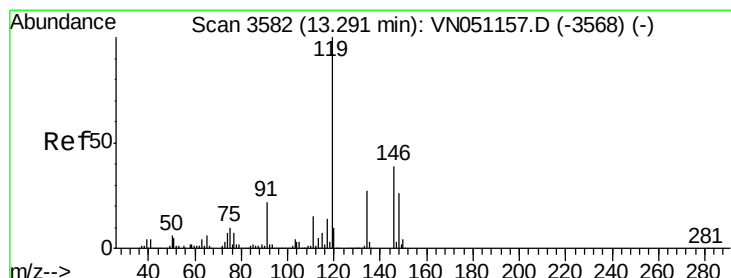
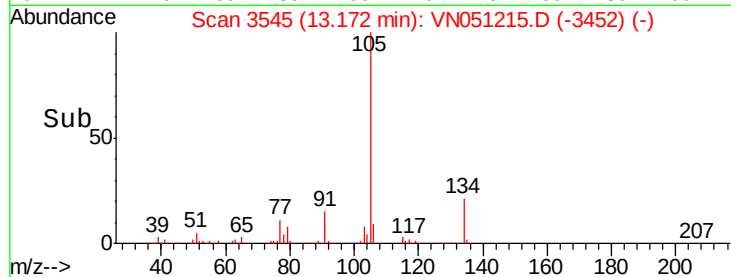
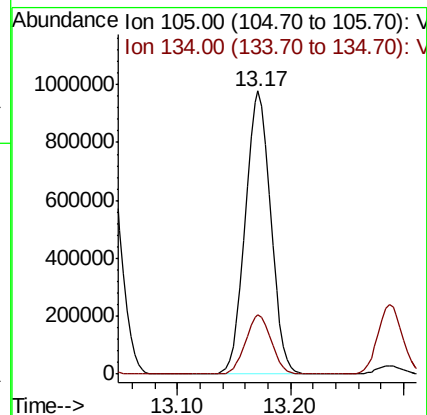
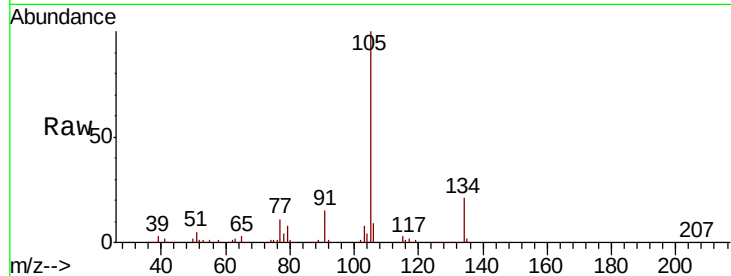
134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 49.15 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

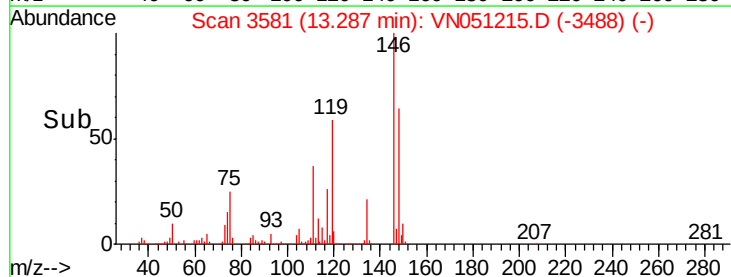
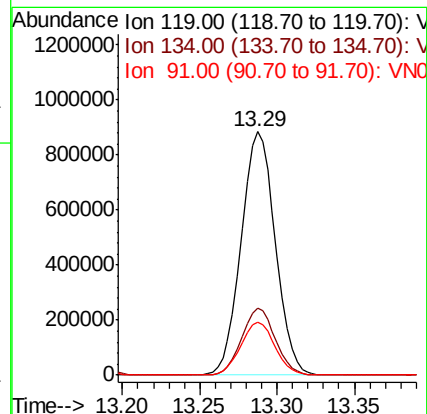
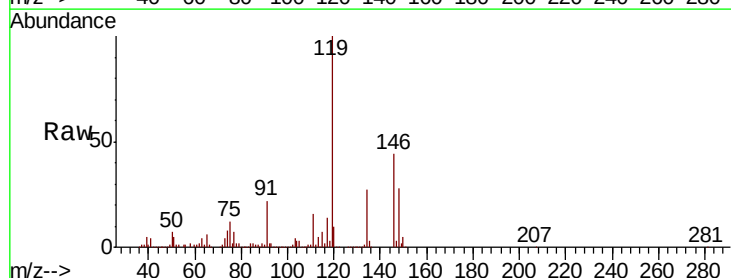
Tgt Ion:119 Resp: 1351390

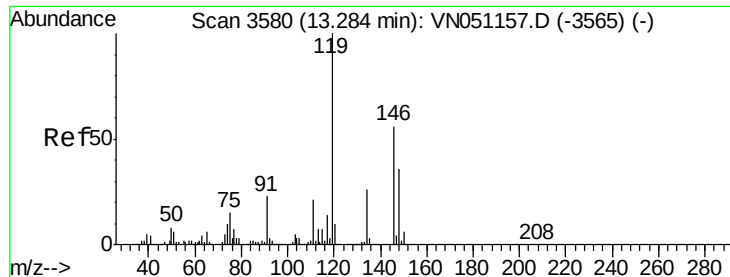
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.7 10.9 32.9





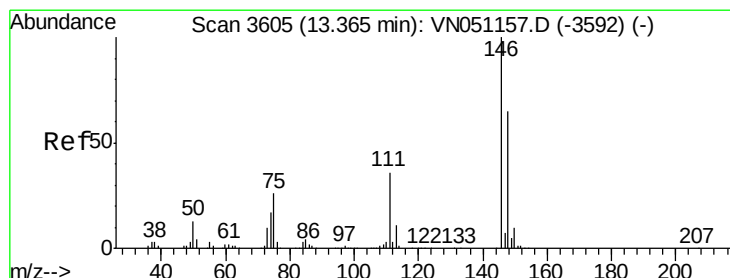
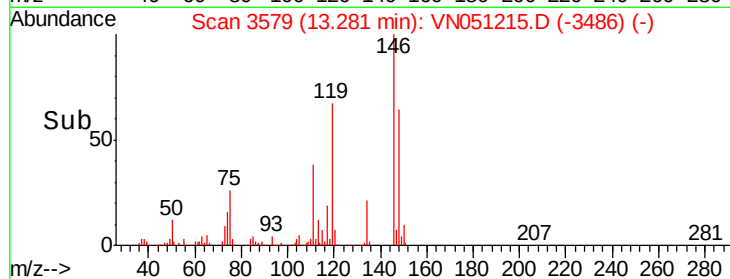
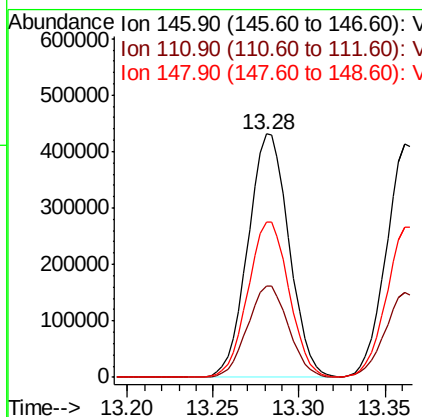
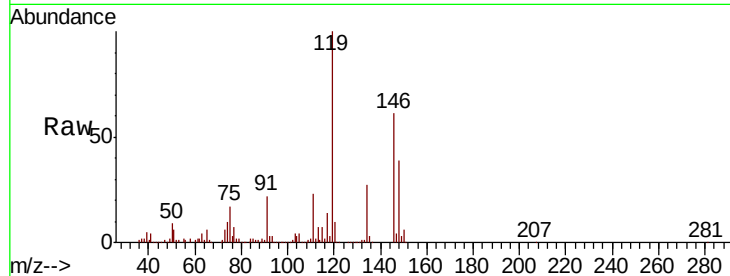
#87
 1,3-Dichlorobenzene
 Concen: 44.19 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	713290
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.1	57.1
148	64.2	32.2	96.6

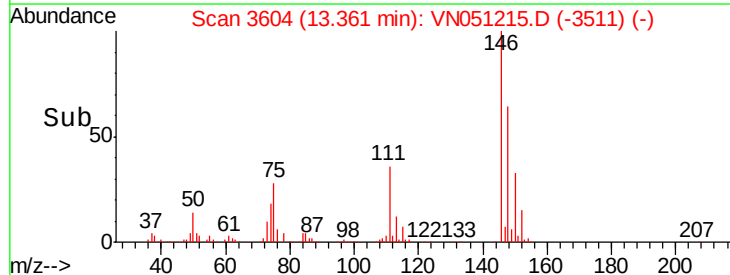
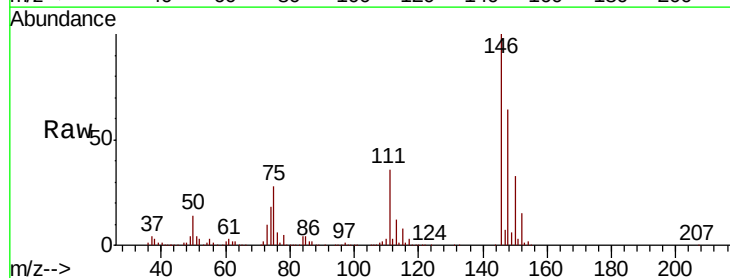
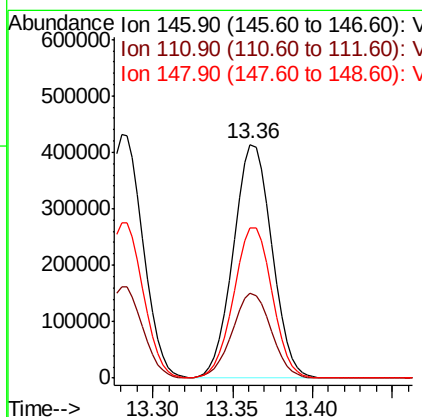
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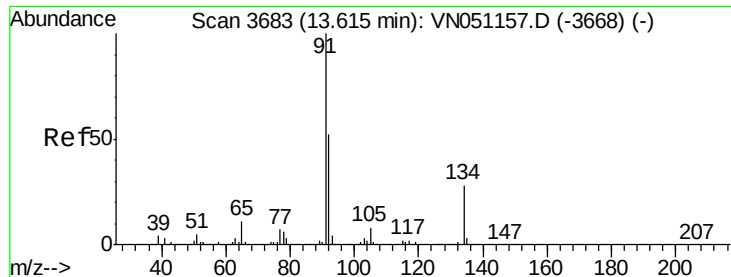
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#88
 1,4-Dichlorobenzene
 Concen: 45.78 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion:	146	Resp:	678521
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.4	55.0
148	64.6	32.2	96.6





#89

n-Butylbenzene

Concen: 48.48 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1037457

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.6

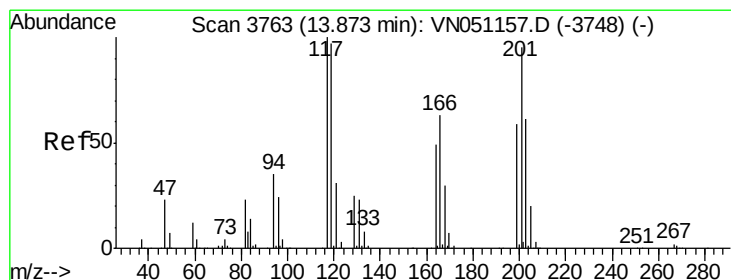
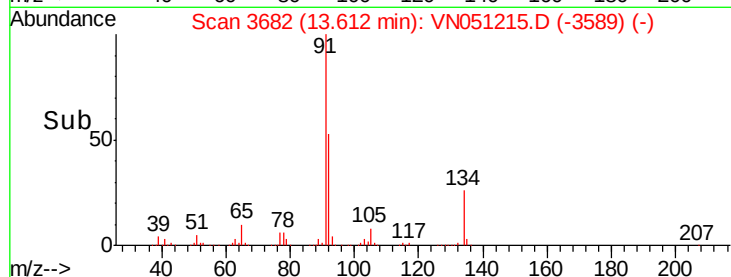
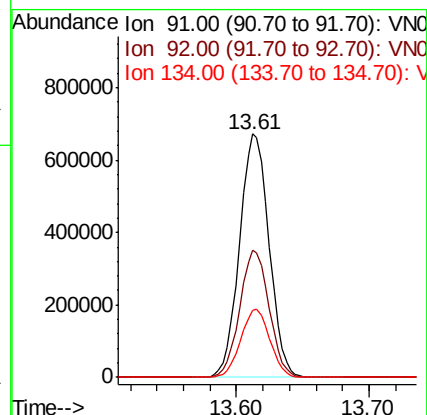
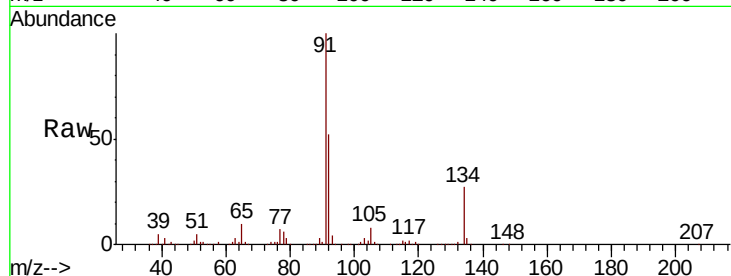
134 27.6 13.7 41.1

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#90

Hexachloroethane

Concen: 48.62 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051215.D

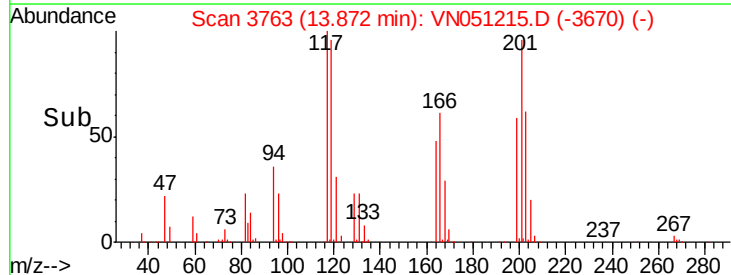
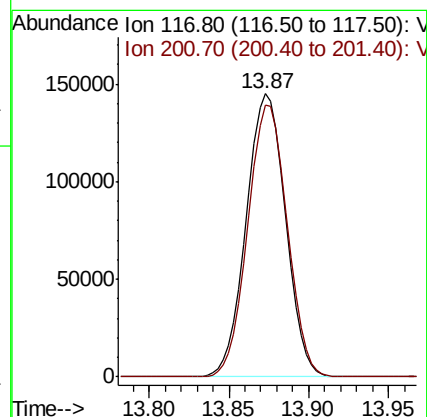
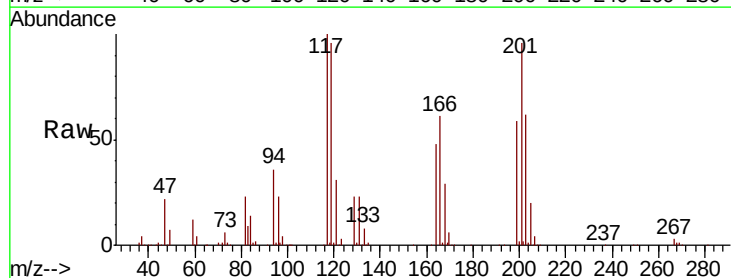
Acq: 15 Sep 2018 10:43

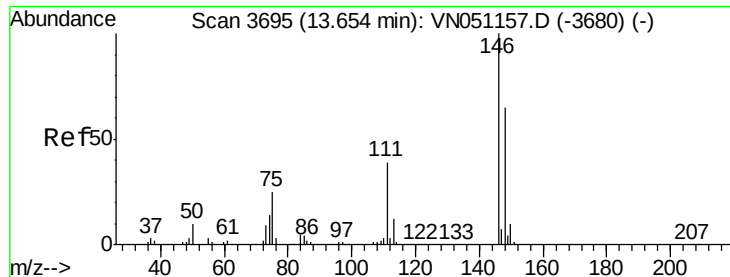
Tgt Ion: 117 Resp: 243448

Ion Ratio Lower Upper

117 100

201 96.1 47.3 142.0





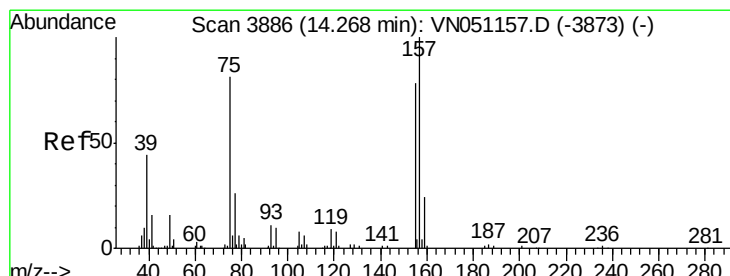
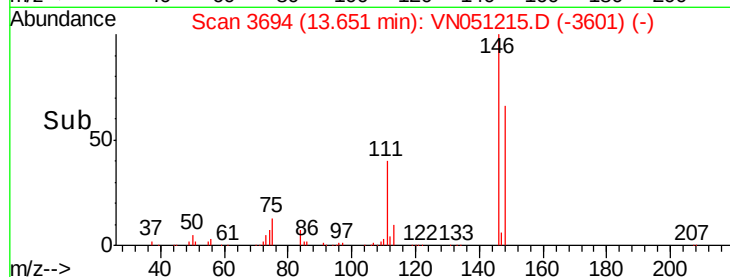
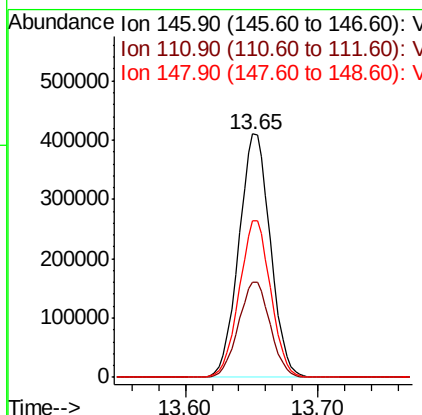
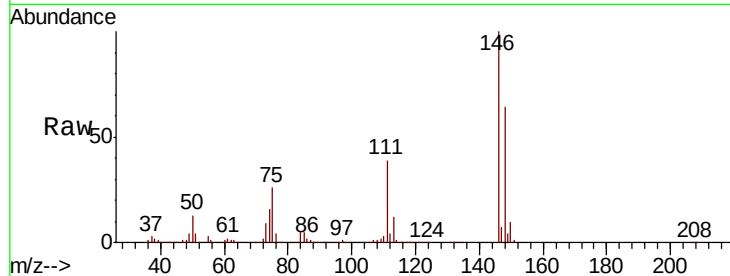
#91
 1,2-Dichlorobenzene
 Concen: 42.96 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.3	32.1	96.3

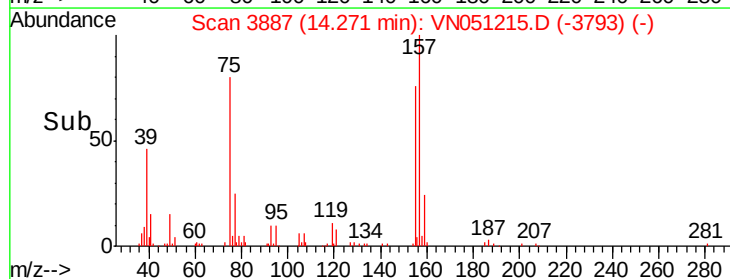
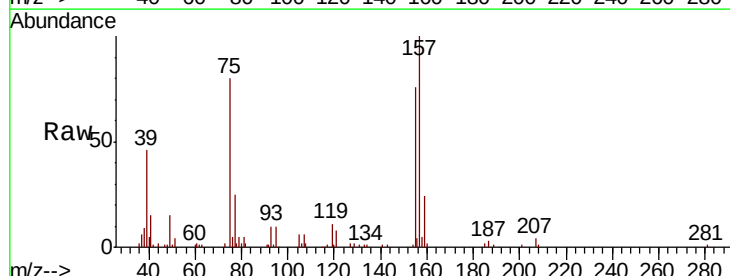
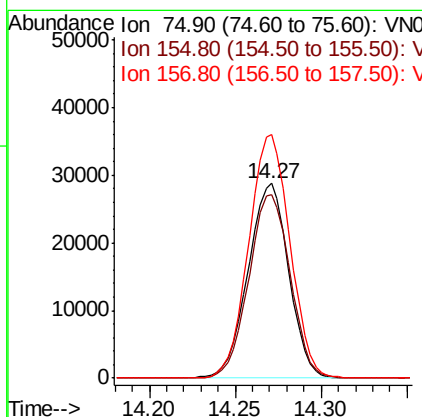
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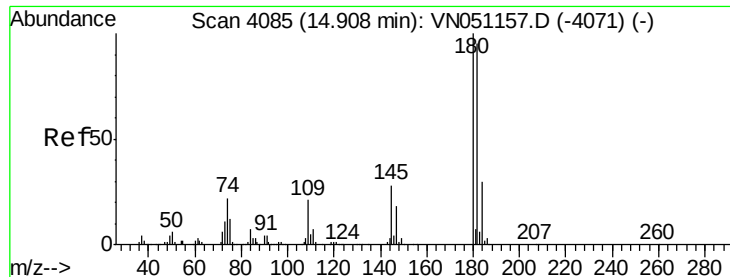
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.15 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.7	146.1
157	126.7	63.6	190.9





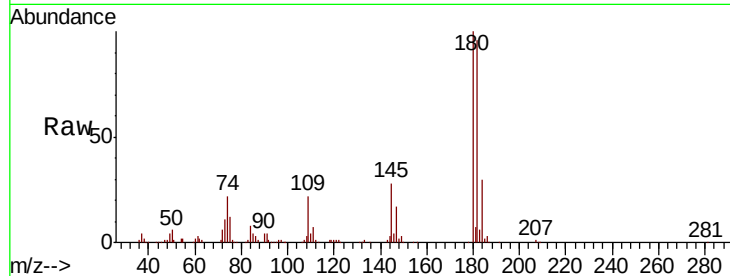
#93
 1,2,4-Trichlorobenzene
 Concen: 39.68 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

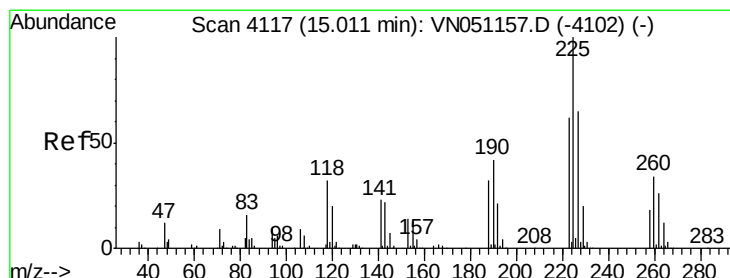
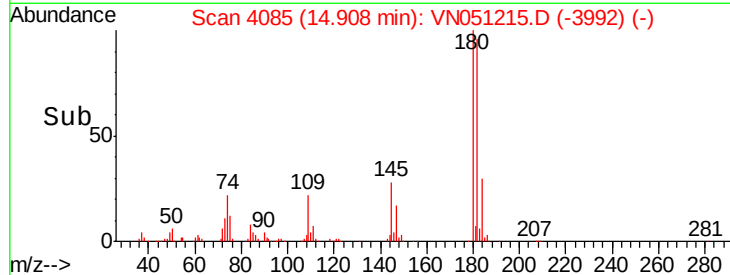
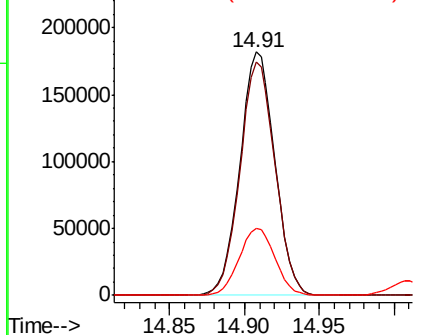
Tot Ion:	180	Resp:	294871
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.3	141.8
145	28.2	14.2	42.6

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MMDadoda
 9/18/2018 4:31:26 PM

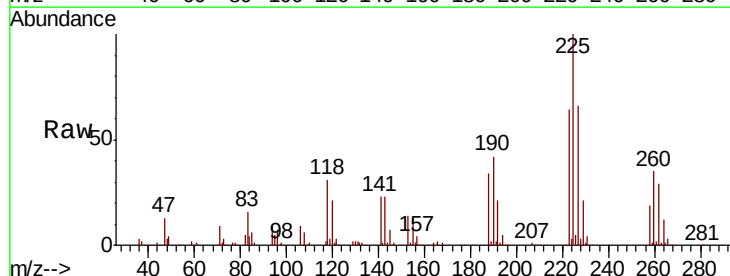


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

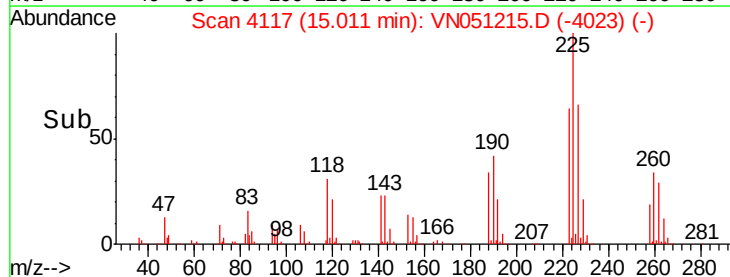
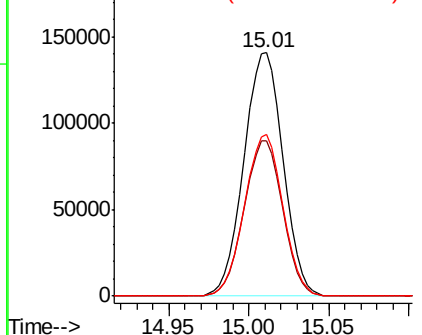


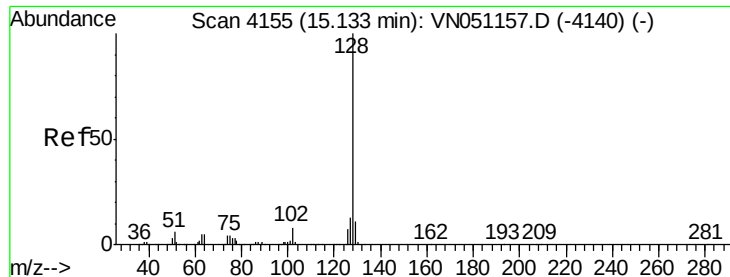
#94
 Hexachlorobutadiene
 Concen: 51.42 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051215.D
 Acq: 15 Sep 2018 10:43

Tgt Ion:	225	Resp:	235475
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.4	94.0
227	64.9	32.1	96.3



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





#95

Naphthalene

Concen: 34.62 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Instrument :

MSVOA_N

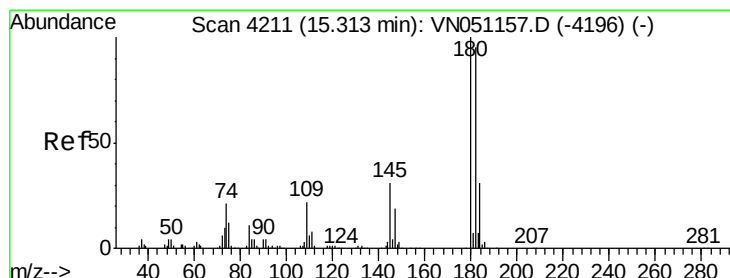
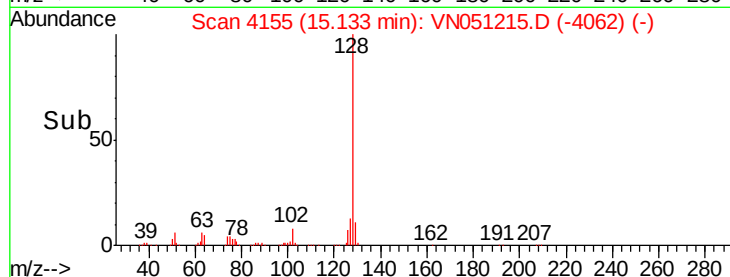
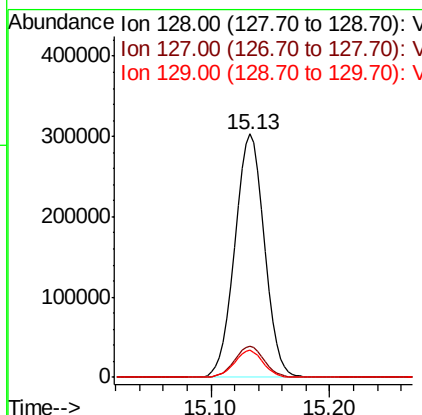
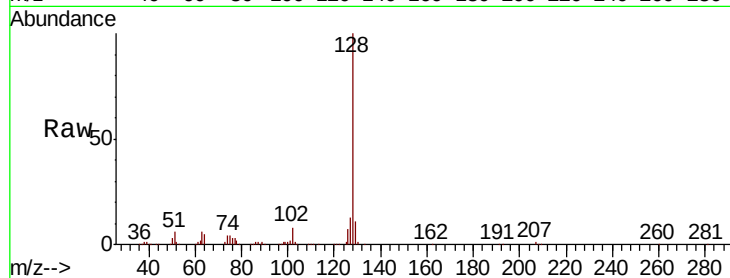
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	520562
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2018 4:31:26 PM



#96

1,2,3-Trichlorobenzene

Concen: 39.54 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051215.D

Acq: 15 Sep 2018 10:43

Tgt Ion:	180	Resp:	282344
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.8	143.3
145	29.7	14.6	43.8

