

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051615.D
 Acq On : 28 Sep 2018 13:23
 Operator : MD\SY
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:41 PM

Quant Time: Sep 29 01:05:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	119324	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	654145	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	556995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	253363	30.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.63%
60) 4-Bromofluorobenzene	12.40	95	245031	28.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.37%
63) Toluene-d8	10.09	98	802358	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	108352	10.347 ug/l	98
3) Chloromethane	2.06	50	115197	9.830 ug/l	99
4) Vinyl Chloride	2.18	62	114994	10.003 ug/l	96
5) Bromomethane	2.57	94	53893	9.025 ug/l	99
6) Chloroethane	2.70	64	53936	9.353 ug/l	100
7) Trichlorofluoromethane	3.01	101	139490	9.931 ug/l	96
8) Diethyl Ether	3.41	74	41317	9.365 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78879	9.935 ug/l	98
10) 1,1-Dichloroethene	3.74	96	68293	9.479 ug/l	94
11) Methyl Iodide	3.95	142	79205	8.540 ug/l	99
12) Methyl Acetate	4.33	43	61250	9.632 ug/l	95
13) Acrolein	3.61	56	29577	42.101 ug/l	96
14) Acrylonitrile	4.99	53	114834	45.094 ug/l	99
15) Acetone	3.82	58	31816	47.651 ug/l	95
16) Carbon Disulfide	4.05	76	218500	9.411 ug/l	100
17) Allyl chloride	4.32	41	118207	9.171 ug/l	97
18) Methylene Chloride	4.55	84	79104	9.550 ug/l	96
19) trans-1,2-Dichloroethene	5.04	96	72552	9.486 ug/l	99
20) Diisopropyl ether	5.95	45	235906	9.226 ug/l	92
21) 1,1-Dichloroethane	5.85	63	144516	9.537 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	78111	9.351 ug/l	99
23) tert-Butyl Alcohol	4.79	59	22348m	46.051 ug/l	
24) Methyl tert-Butyl Ether	5.05	73	170703	9.015 ug/l	97
25) Chloroform	7.37	83	138535	9.561 ug/l	98
26) Cyclohexane	7.65	56	114560	8.736 ug/l #	98
29) 1,1-Dichloropropene	7.79	75	99497	8.920 ug/l	98
30) 2-Butanone	6.84	43	138875	45.745 ug/l	98
31) 2,2-Dichloropropane	6.82	77	113922	9.463 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	119785	9.558 ug/l	99
33) Carbon Tetrachloride	7.77	117	106186	9.427 ug/l	97
34) Benzene	8.04	78	312508	9.443 ug/l #	91
35) Methacrylonitrile	7.18	41	29875	8.490 ug/l	97
36) 1,2-Dichloroethane	8.13	62	97502	9.243 ug/l	100
37) Trichloroethene	8.83	130	80132	9.431 ug/l	99
38) Methylcyclohexane	9.08	83	110863	8.613 ug/l	97
39) 1,2-Dichloropropane	9.12	63	84701	9.341 ug/l	95
40) Dibromomethane	9.21	93	46968	9.324 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	102483	9.320	ug/l	98
42) Vinyl Acetate	5.90	43	730649	43.231	ug/l	99
43) Ethyl Acetate	6.93	43	61752	9.610	ug/l	95
44) Isopropyl Acetate	8.16	43	113120	8.991	ug/l	96
45) 1,4-Dioxane	9.21	88	11471m	168.760	ug/l	
46) Methyl methacrylate	9.20	41	48585	8.301	ug/l	95
47) n-amyl Acetate	12.07	43	73365	7.793	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	94534	8.614	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	114231	8.903	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	67382	9.466	ug/l	94
51) Ethyl methacrylate	10.43	69	71650	8.296	ug/l	99
52) 1,3-Dichloropropane	10.71	76	111647	9.147	ug/l	99
53) Dibromochloromethane	10.90	129	73535	9.070	ug/l	98
54) 1,2-Dibromoethane	11.01	107	62034	9.082	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	180324	42.240	ug/l	100
56) Bromoform	12.13	173	46540	8.651	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	296088	46.820	ug/l	98
59) 2-Hexanone	10.75	43	180353	43.351	ug/l	99
61) Tetrachloroethene	10.63	164	74311	9.423	ug/l	99
62) Toluene	10.16	91	321057	9.400	ug/l	100
64) Chlorobenzene	11.43	112	190397	9.220	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	72873	9.242	ug/l	99
66) Ethyl Benzene	11.51	91	305445	8.738	ug/l	100
67) m/p-Xylenes	11.62	106	234583	17.413	ug/l	99
68) o-Xylene	11.95	106	112959	8.784	ug/l	96
69) Styrene	11.97	104	168224	8.334	ug/l	98
70) Isopropylbenzene	12.25	105	300982	8.774	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	77691	9.361	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	66526m	9.729	ug/l	
73) Bromobenzene	12.53	156	76906	9.009	ug/l	97
74) n-propylbenzene	12.59	91	348726	8.733	ug/l	99
75) 2-Chlorotoluene	12.67	91	213054	8.934	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	250105	8.726	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	18434	8.203	ug/l	96
78) 4-Chlorotoluene	12.77	91	205675	8.732	ug/l	99
79) tert-butylbenzene	12.99	119	214134	8.623	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	246969	8.626	ug/l	100
81) sec-Butylbenzene	13.17	105	303750	8.855	ug/l	98
82) p-Isopropyltoluene	13.29	119	249815	8.521	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	128717	8.653	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	116448	8.328	ug/l	100
85) n-Butylbenzene	13.62	91	190414	7.913	ug/l	99
86) Hexachloroethane	13.87	117	53191	9.071	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	128022	8.798	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10651	8.805	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	41867	6.147	ug/l	98
90) Hexachlorobutadiene	15.01	225	56282	10.136	ug/l	96
91) Naphthalene	15.13	128	67474	5.275	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	46199	6.745	ug/l	99

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ClientSampleId :
VSTDICC010

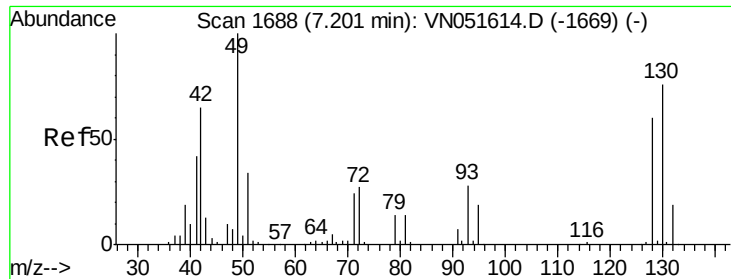
Manual Integrations
APPROVED

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

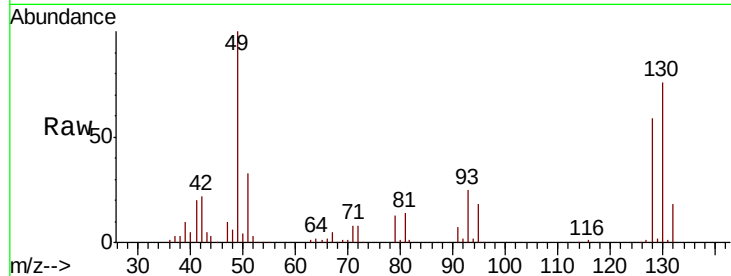
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	119324
Ion	Ratio	Lower	Upper
128	100		
49	172.3	0.0	426.8
130	128.9	0.0	326.3

Manual Integrations
APPROVED

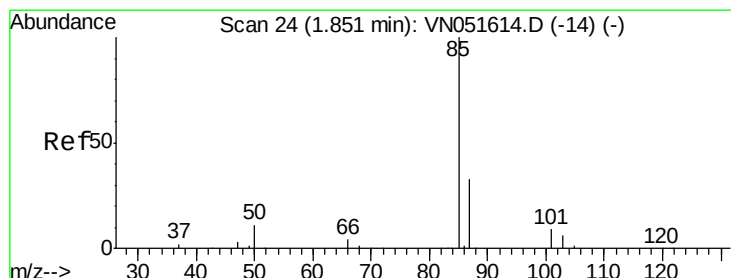
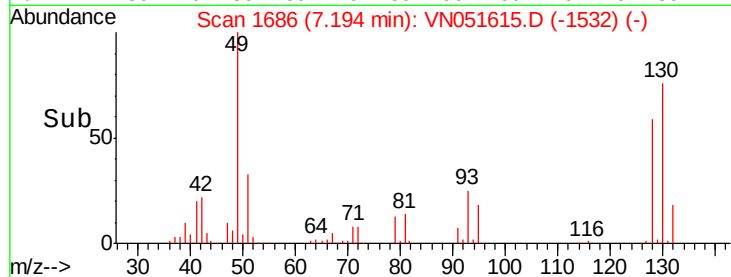
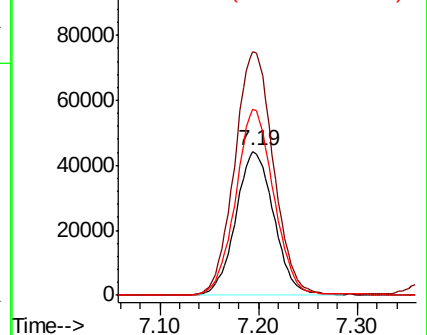
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.347 ug/l

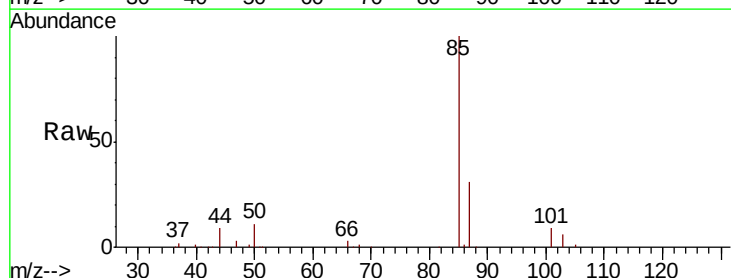
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051615.D

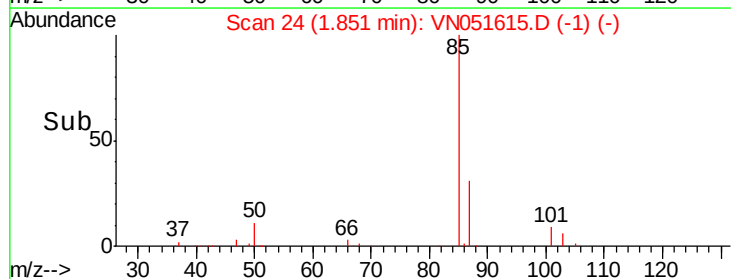
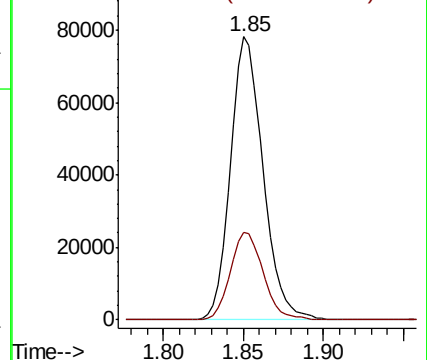
Acq: 28 Sep 2018 13:23

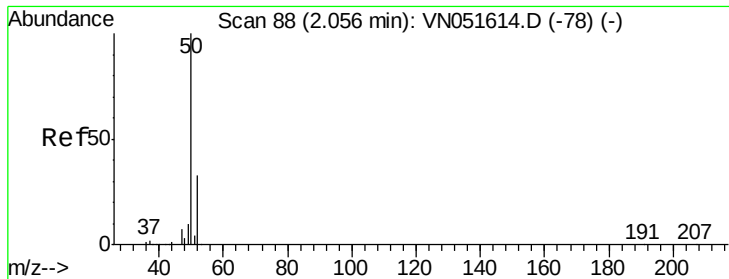
Tgt Ion:	85	Resp:	108352
Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 9.830 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 115197

Ion Ratio Lower Upper

50 100

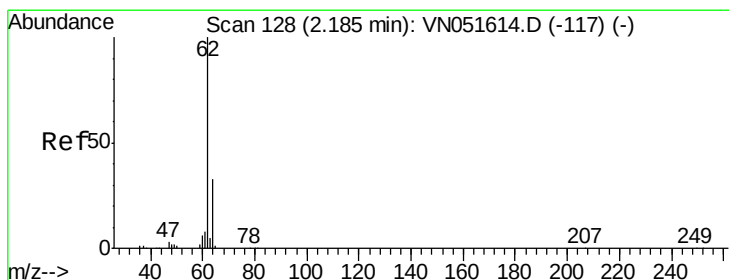
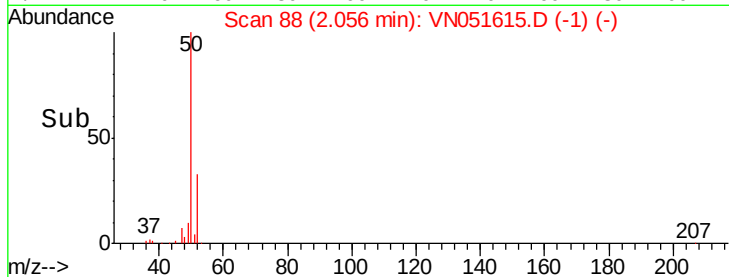
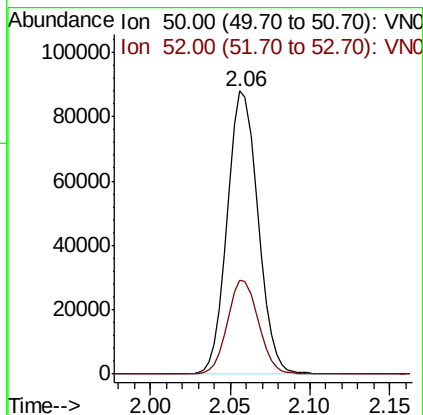
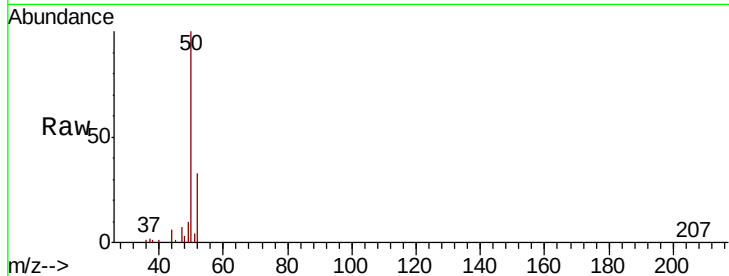
52 33.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 10.003 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051615.D

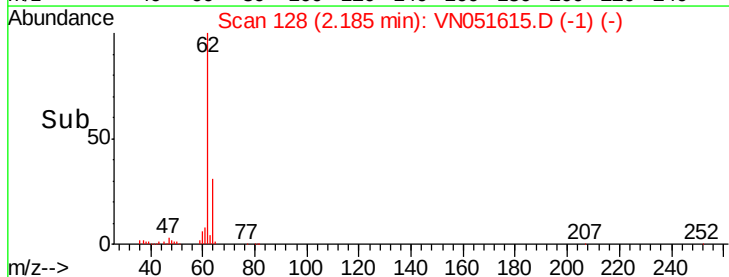
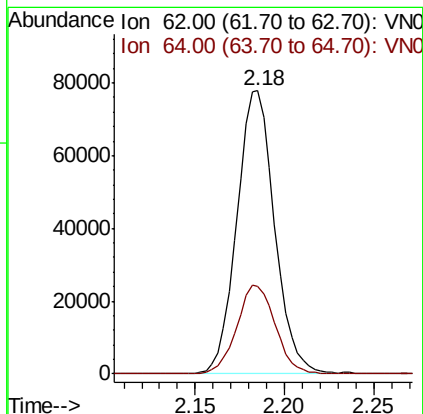
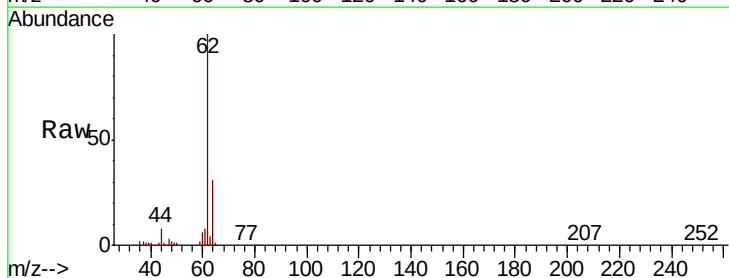
Acq: 28 Sep 2018 13:23

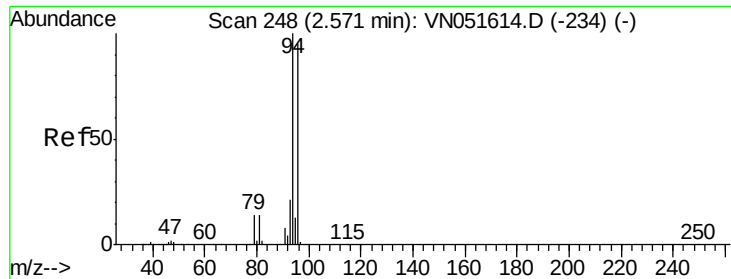
Tgt Ion: 62 Resp: 114994

Ion Ratio Lower Upper

62 100

64 30.8 26.3 39.5





#5

Bromomethane

Concen: 9.025 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 53893

Ion Ratio Lower Upper

94 100

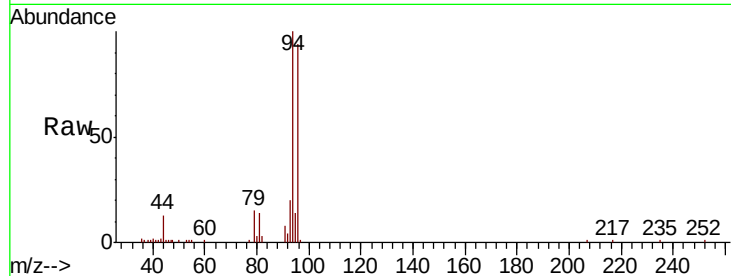
96 93.9 75.8 113.6

Manual Integrations

APPROVED

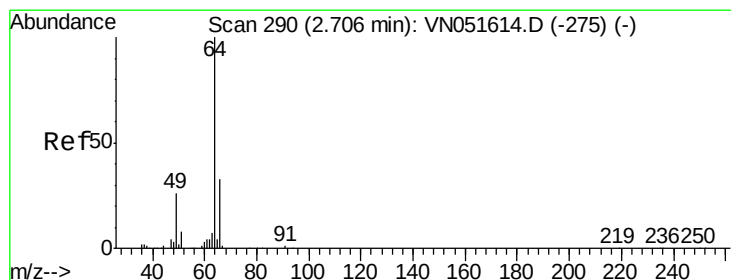
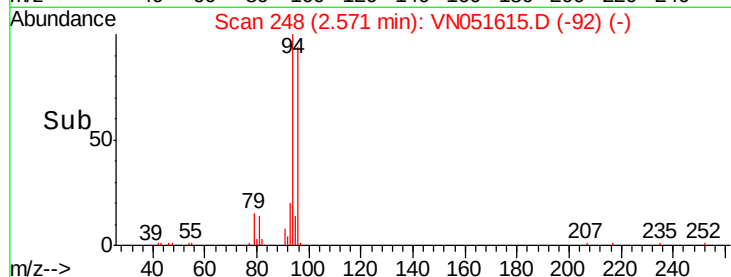
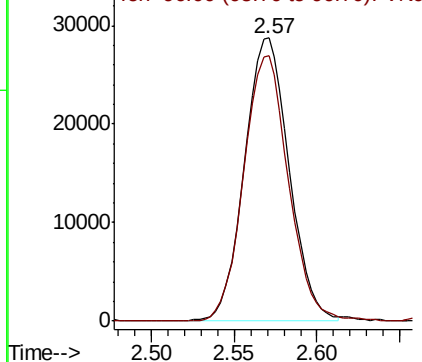
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 9.353 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051615.D

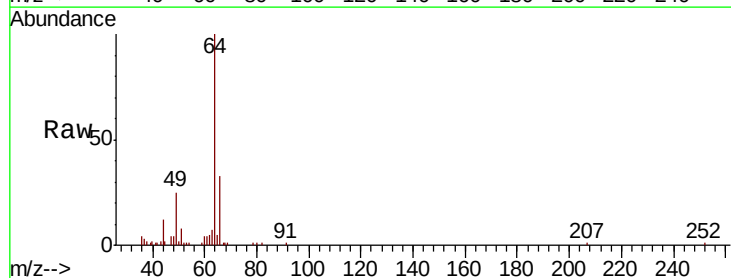
Acq: 28 Sep 2018 13:23

Tgt Ion: 64 Resp: 53936

Ion Ratio Lower Upper

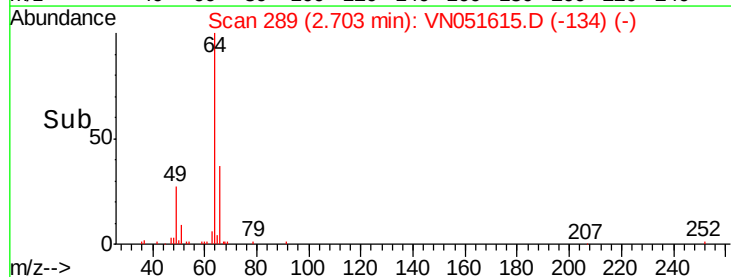
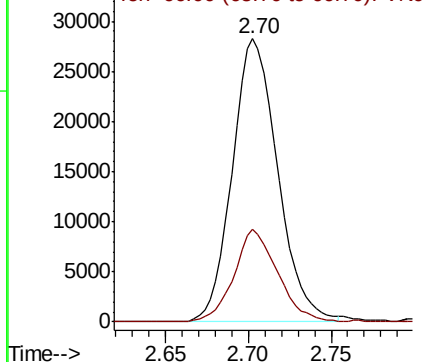
64 100

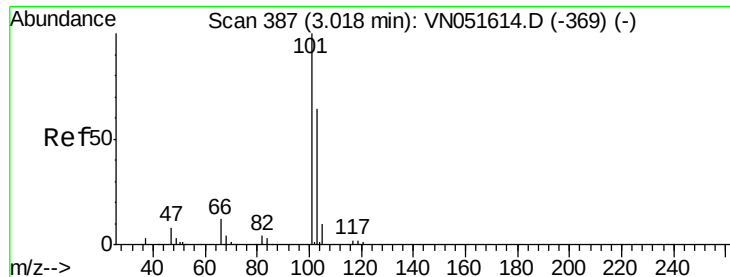
66 32.6 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

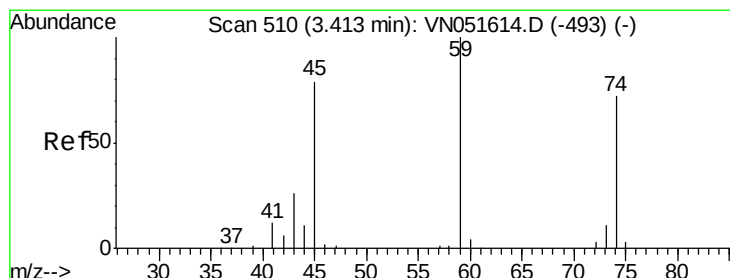
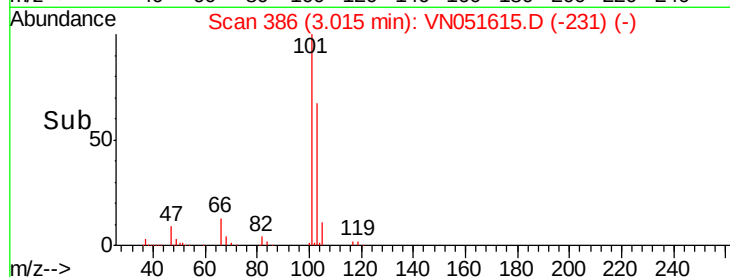
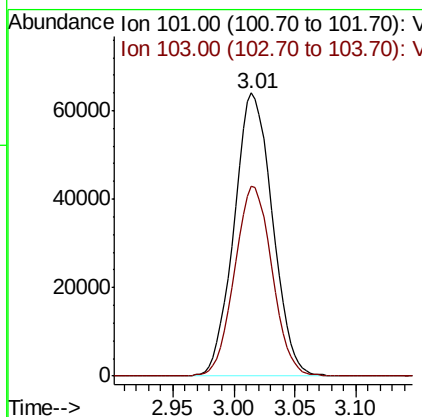
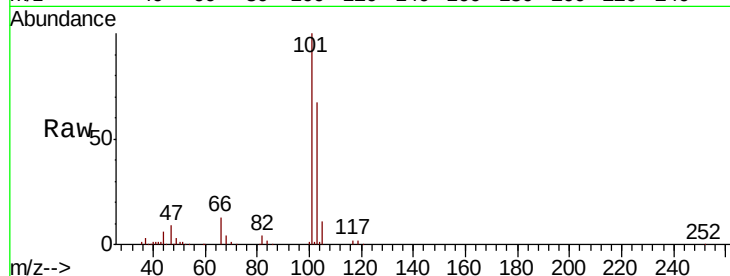
Trichlorofluoromethane
Concen: 9.931 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.2	76.8

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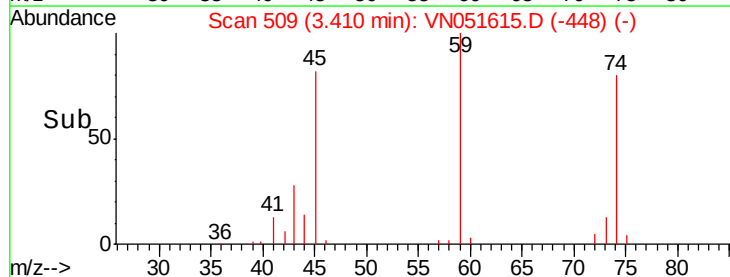
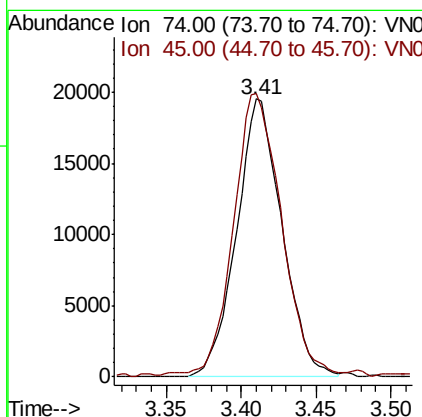
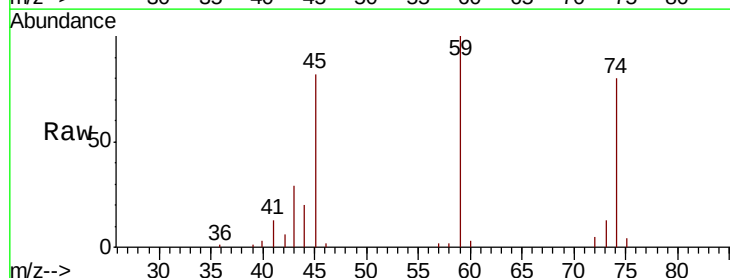
MMDadoda
10/3/2018 5:27:41 PM

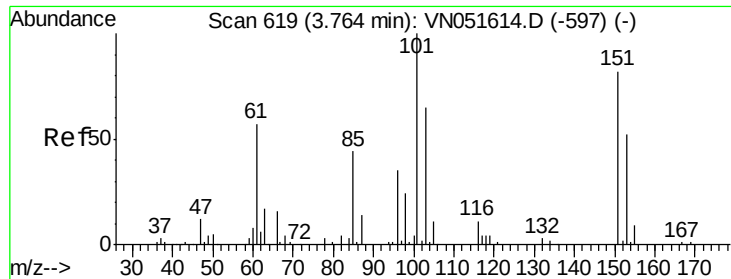


#8

Diethyl Ether
Concen: 9.365 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.0	21.3	191.5





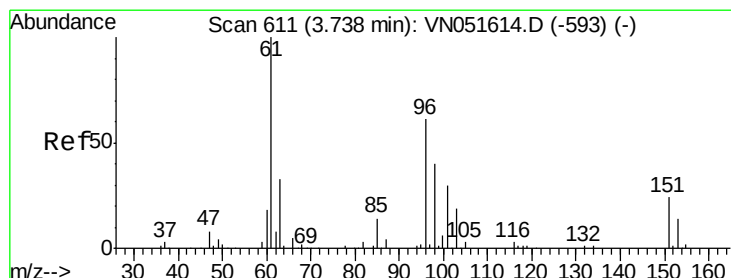
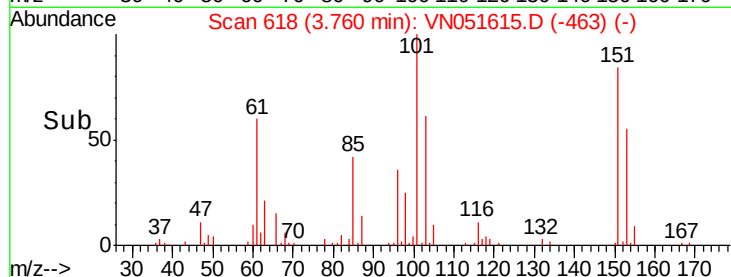
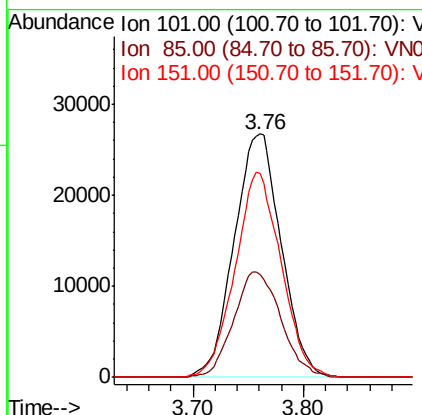
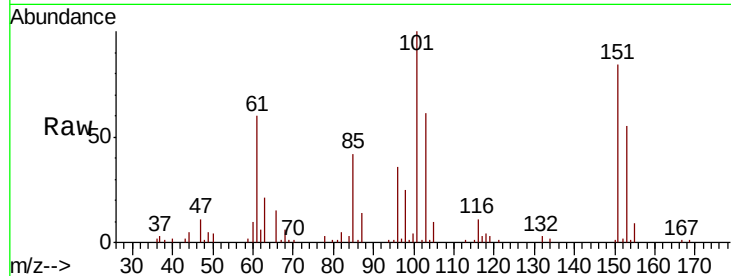
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.935 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
101	100	78879		
85	43.6	0.0	89.4	
151	82.4	0.0	167.6	

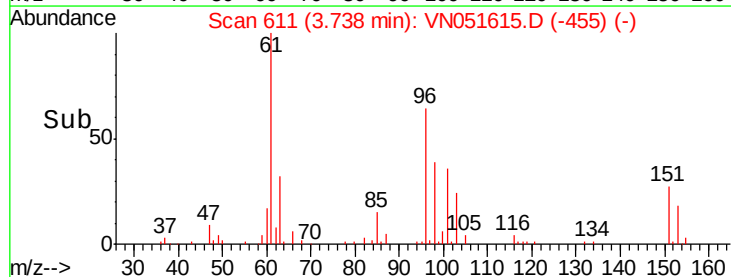
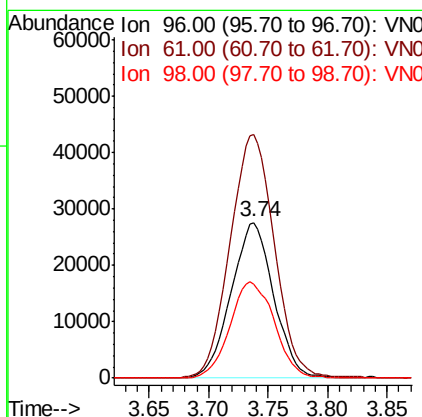
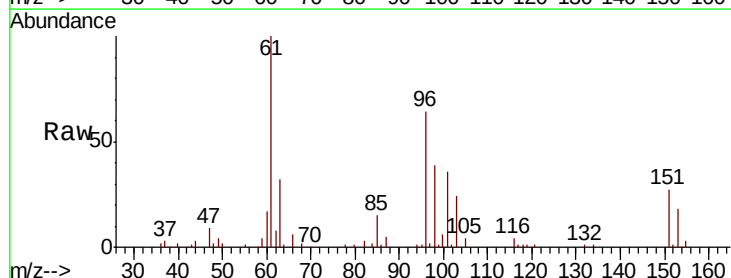
Manual Integrations
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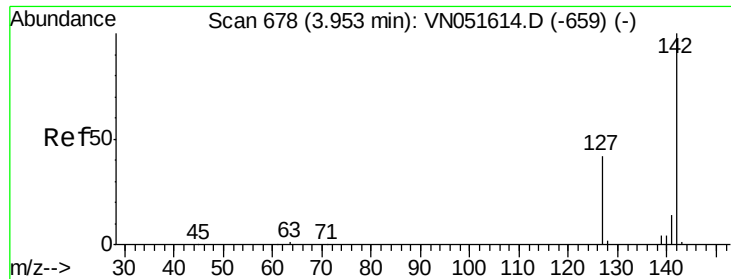
MMDadoda
 10/3/2018 5:27:41 PM



#10
 1,1-Dichloroethene
 Concen: 9.479 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	68293		
61	155.2	131.0	196.4	
98	60.5	52.7	79.1	





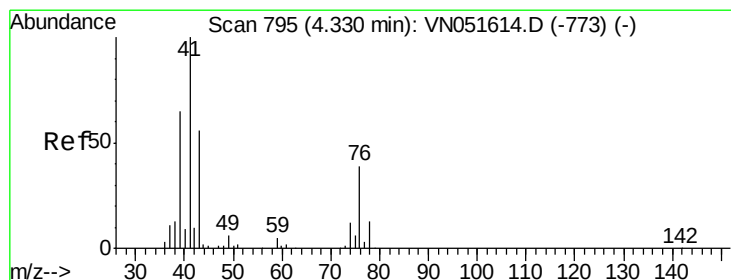
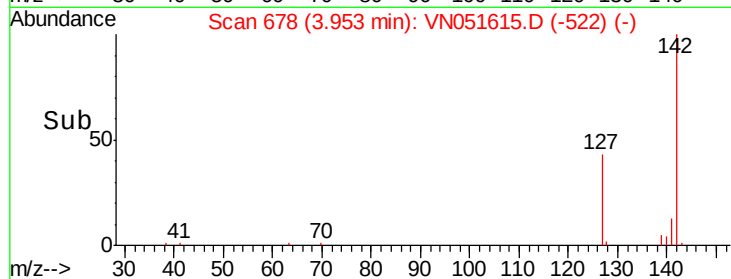
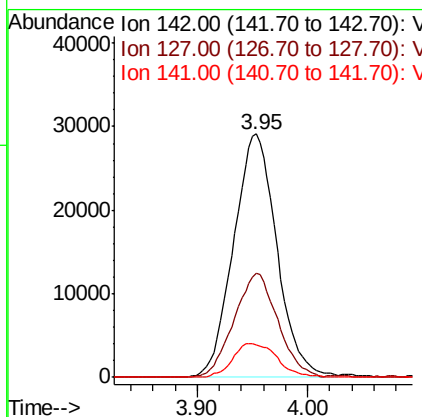
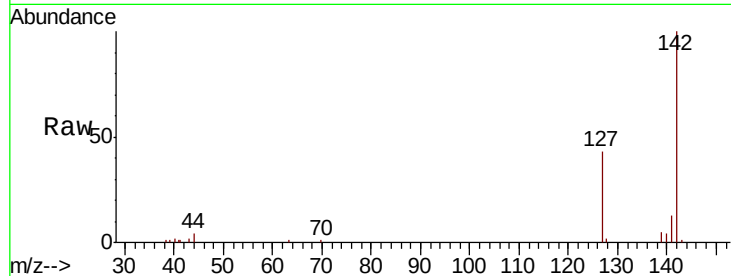
#11
Methvl Iodide
Concen: 8.540 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.5	21.1	63.1
141	13.5	7.1	21.4

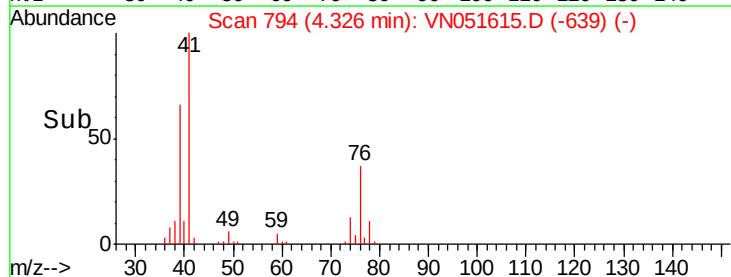
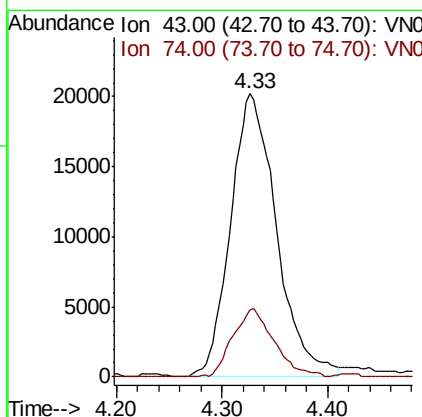
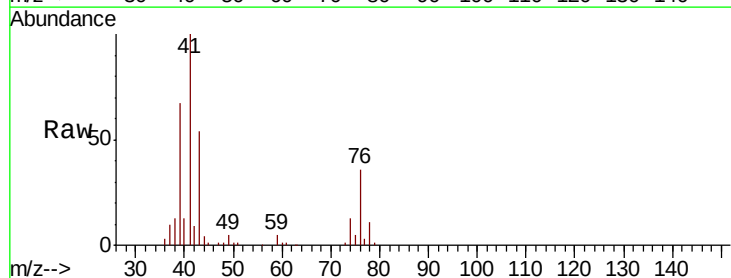
Manual Integrations
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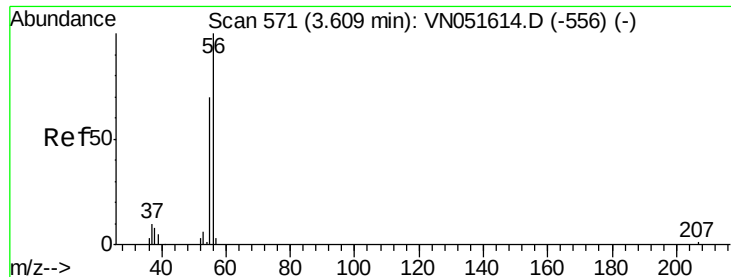
MMDadoda
10/3/2018 5:27:41 PM



#12
Methyl Acetate
Concen: 9.632 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	17.0	25.4





#13

Acrolein

Concen: 42.101 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 29577

Ion Ratio Lower Upper

56 100

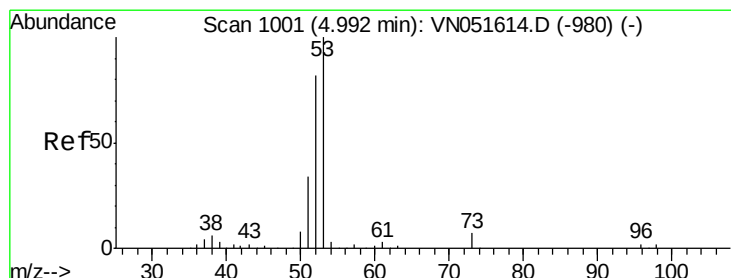
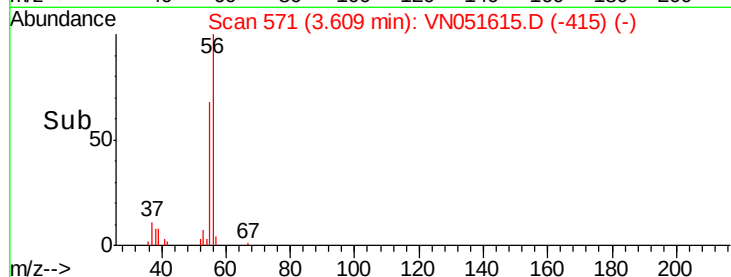
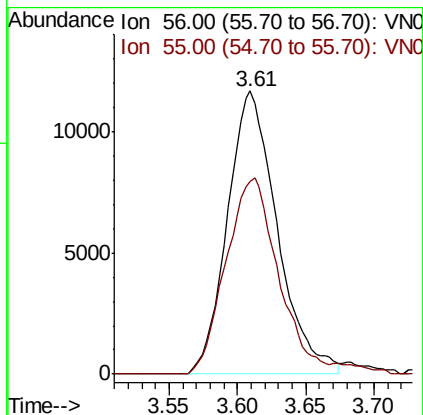
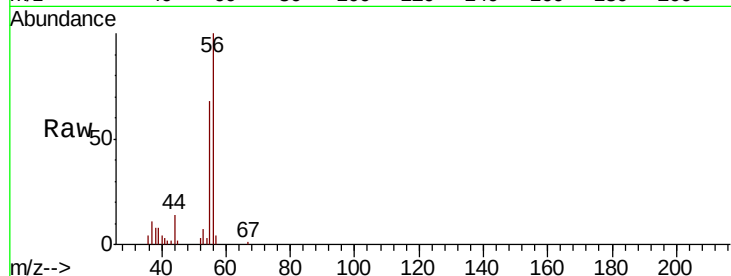
55 72.7 55.8 83.8

Manual Integrations

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#14

Acrylonitrile

Concen: 45.094 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

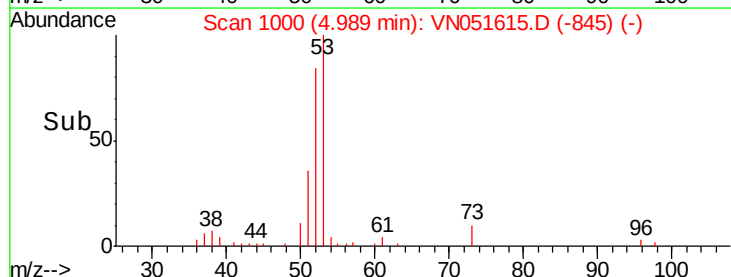
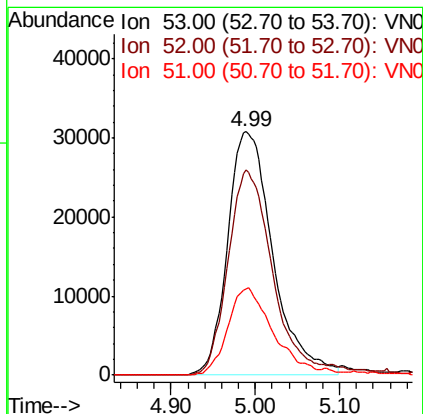
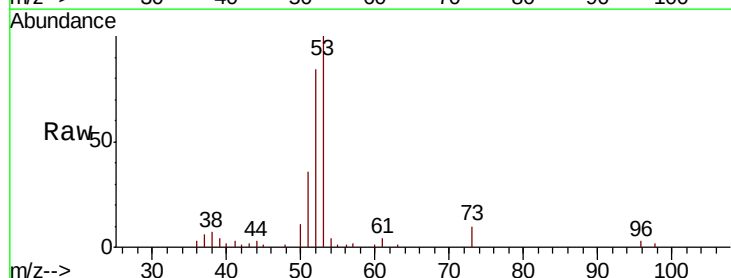
Tgt Ion: 53 Resp: 114834

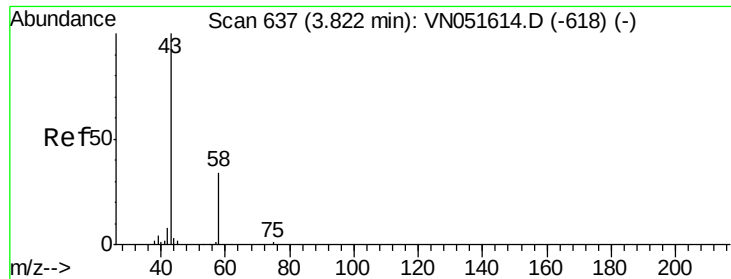
Ion Ratio Lower Upper

53 100

52 82.1 41.3 123.7

51 35.6 17.1 51.2





#15

Acetone

Concen: 47.651 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 58 Resp: 31816

Ion Ratio Lower Upper

58 100

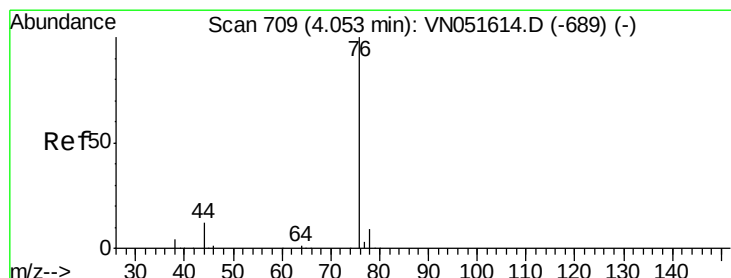
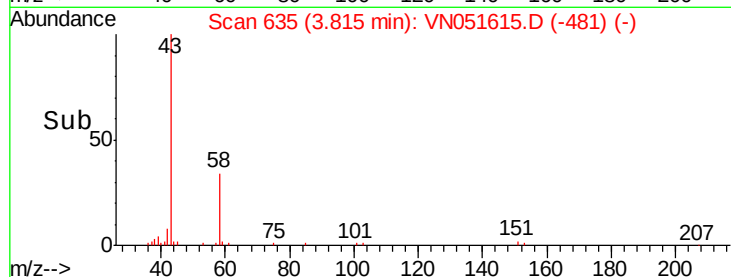
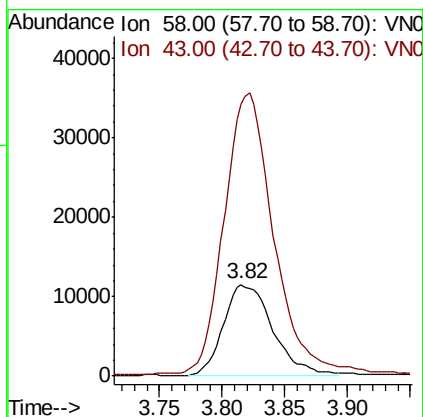
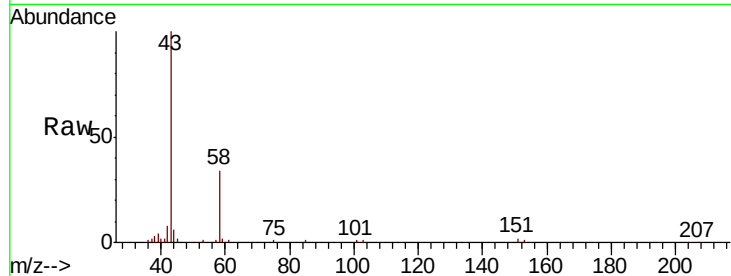
43 288.7 238.0 357.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 9.411 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051615.D

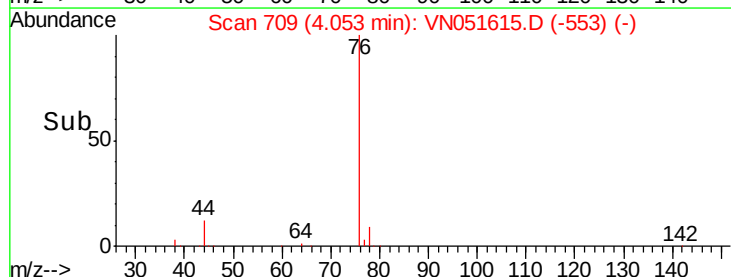
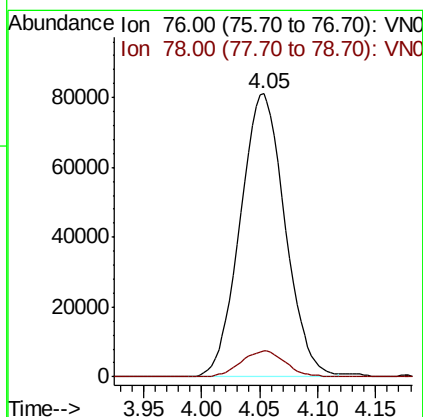
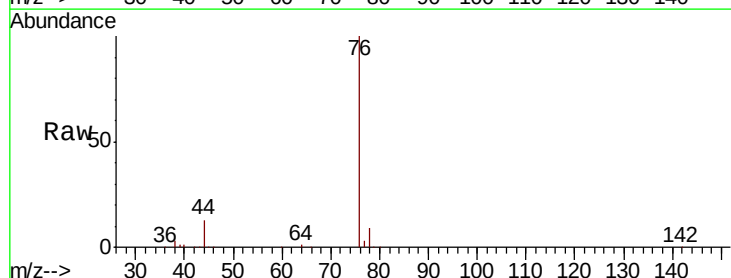
Acq: 28 Sep 2018 13:23

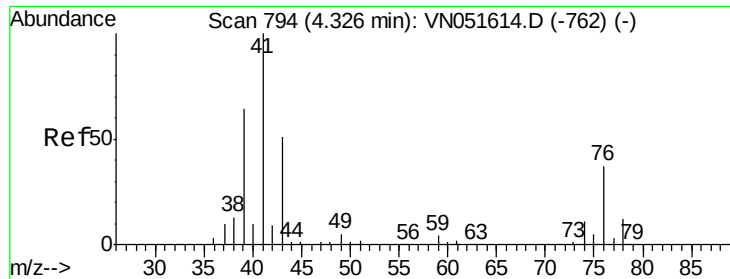
Tgt Ion: 76 Resp: 218500

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





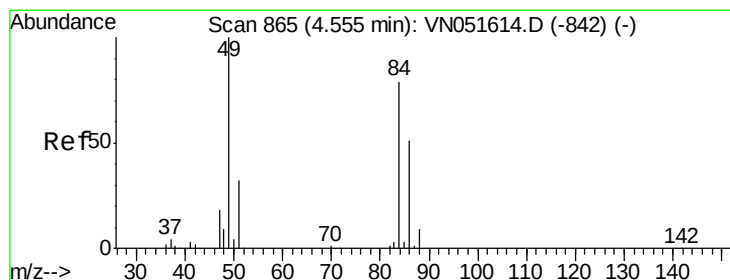
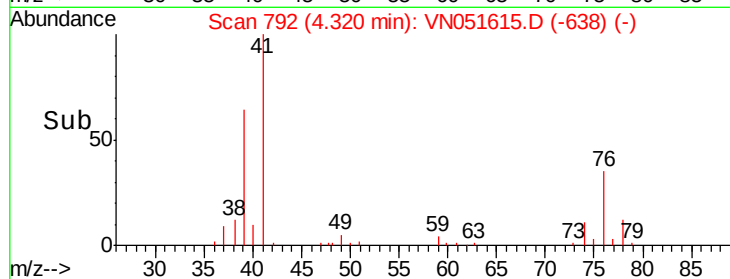
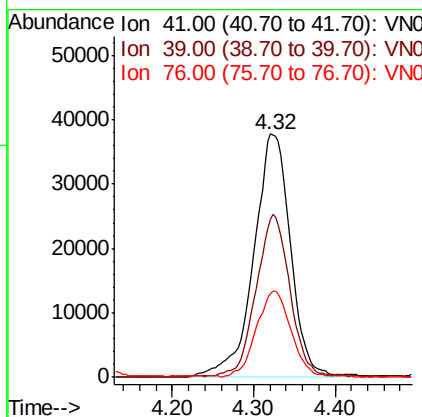
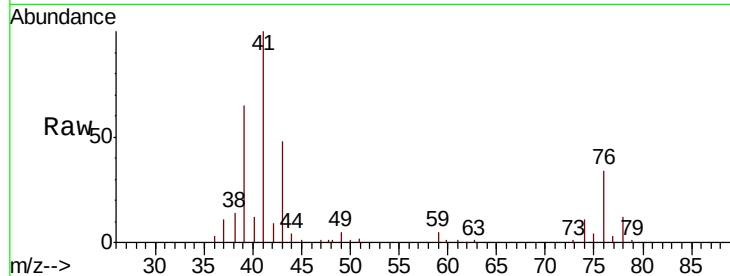
#17
Allvl chloride
Concen: 9.171 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	118207
Ion Ratio	Lower	Upper	
41	100		
39	65.1	31.9	95.9
76	34.0	18.6	56.0

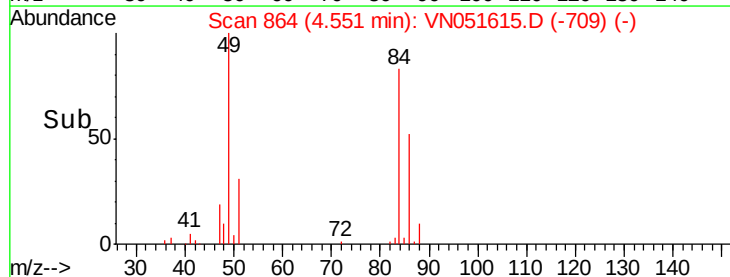
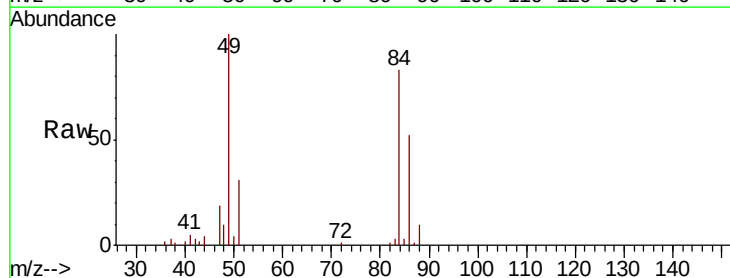
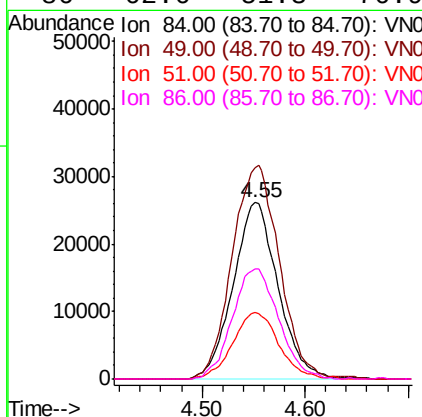
Manual Integrations
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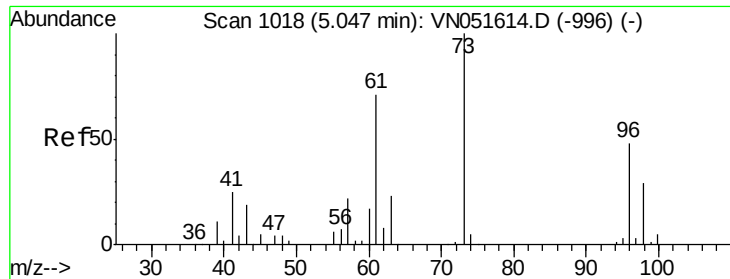
MMDadoda
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#18
Methylene Chloride
Concen: 9.550 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion:	84	Resp:	79104
Ion Ratio	Lower	Upper	
84	100		
49	120.0	100.9	151.3
51	37.8	32.5	48.7
86	62.6	51.3	76.9





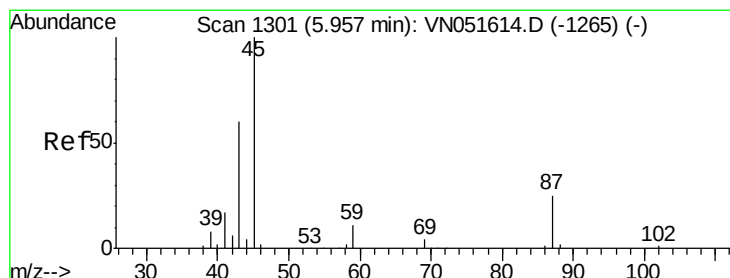
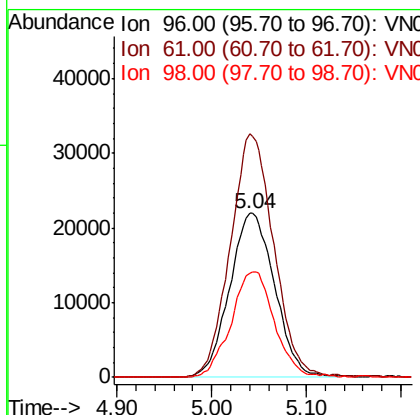
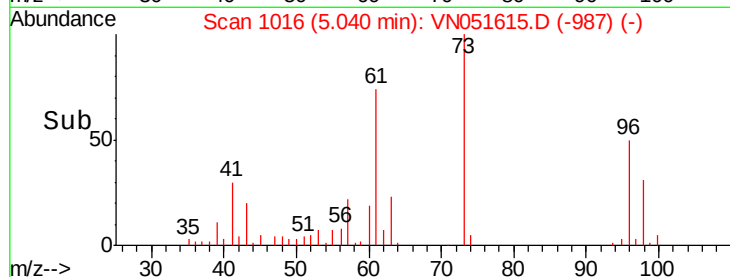
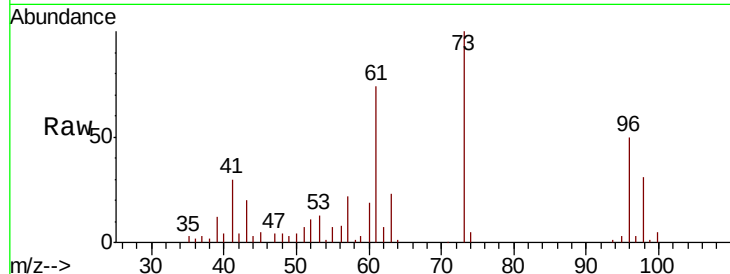
#19
trans-1,2-Dichloroethene
Concen: 9.486 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	118.0	177.0
98	63.3	49.0	73.4

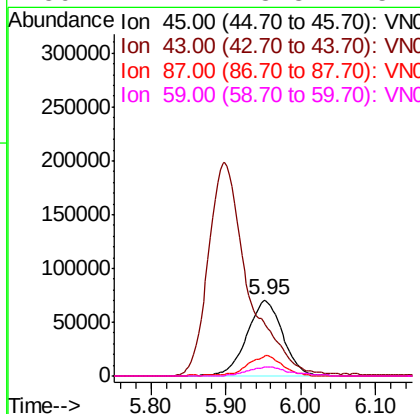
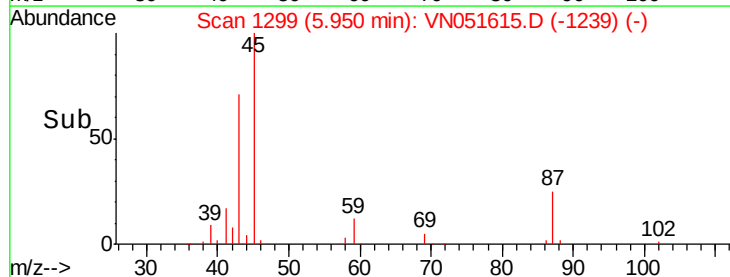
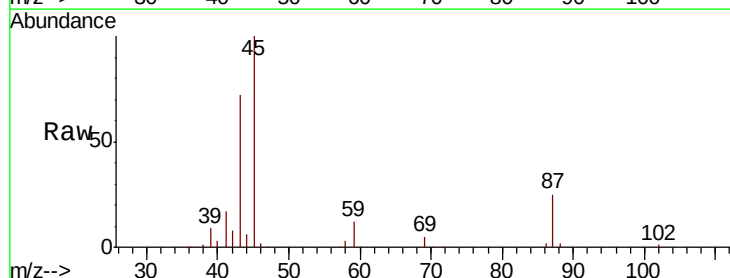
Manual Integrations
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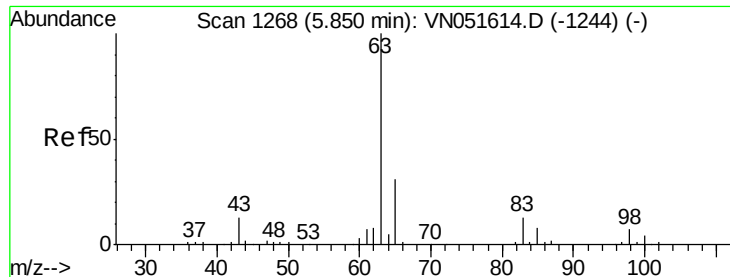
MMDadoda
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#20
Diisopropyl ether
Concen: 9.226 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.9	48.3	72.5
87	25.2	20.8	31.2
59	11.7	8.8	13.2





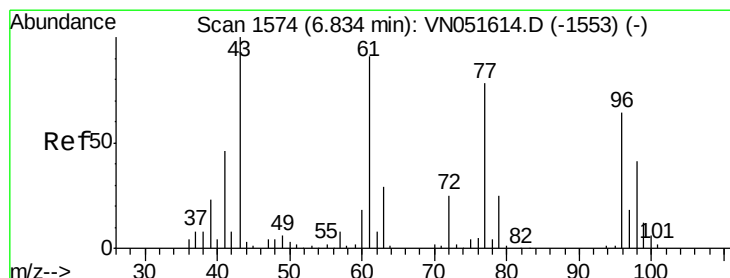
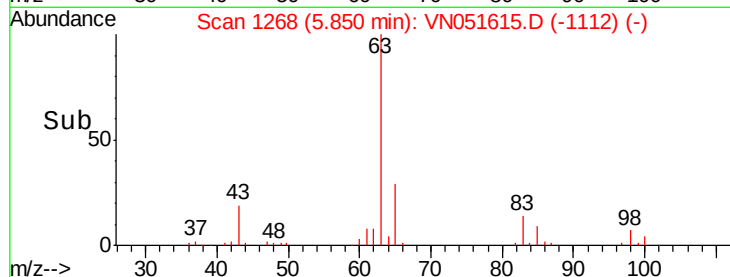
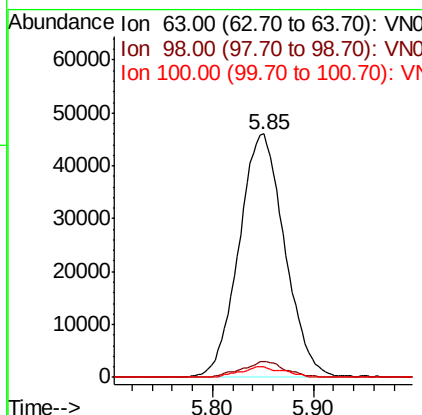
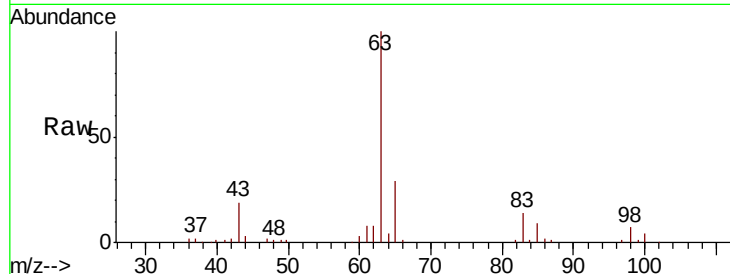
#21
 1,1-Dichloroethane
 Concen: 9.537 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
63	100	144516		
98	6.5		3.3	9.9
100	4.5		2.0	5.8

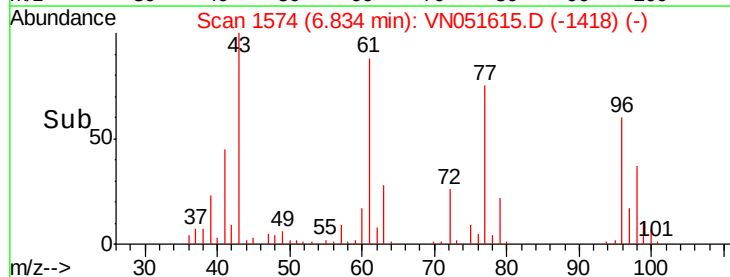
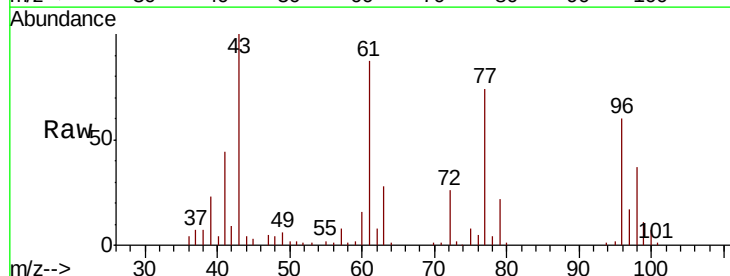
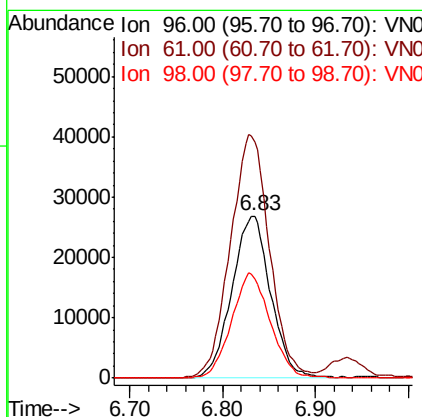
Manual Integrations
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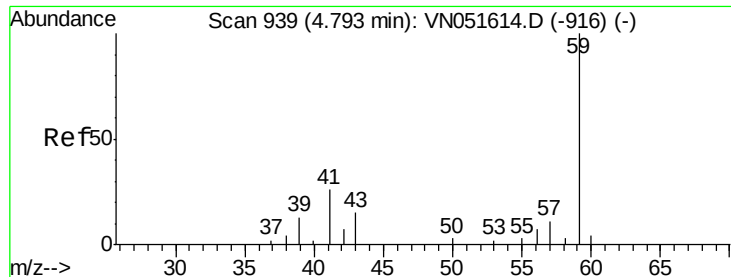
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 9.351 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	78111		
61	151.6		120.4	180.6
98	64.6		51.4	77.0





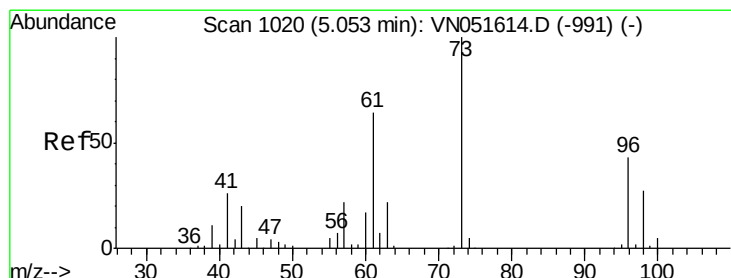
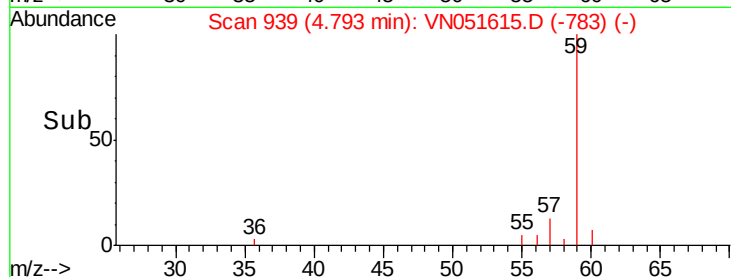
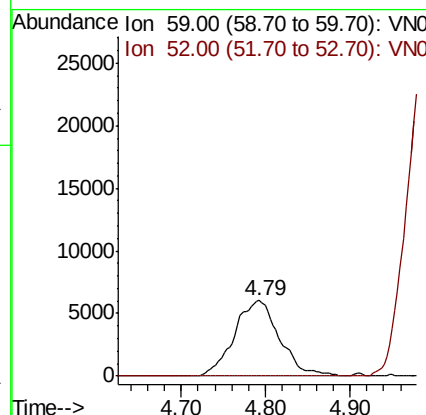
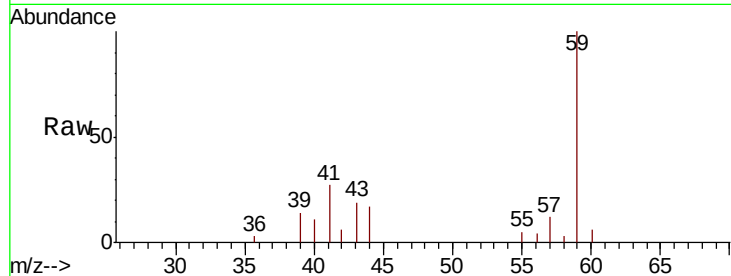
#23
 tert-Butyl Alcohol
 Concen: 46.051 ug/l m
 RT: 4.79 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	22348
Ion Ratio	100	Lower	Upper
59	100	0.0	0.0
52	0.0	0.0	0.0

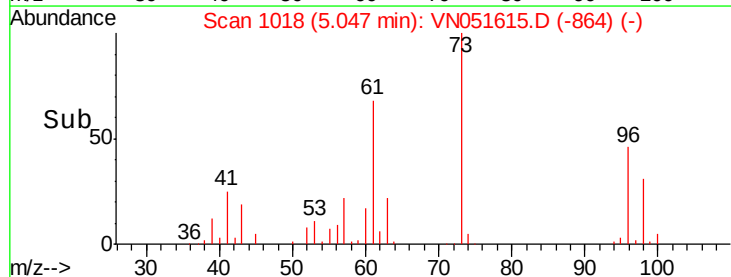
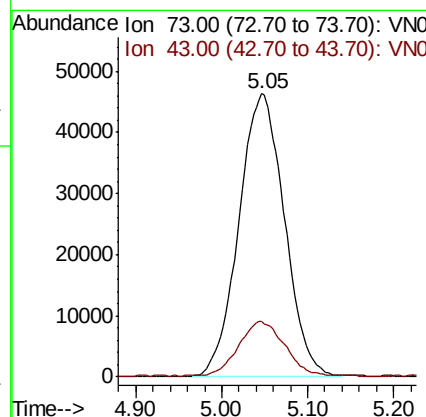
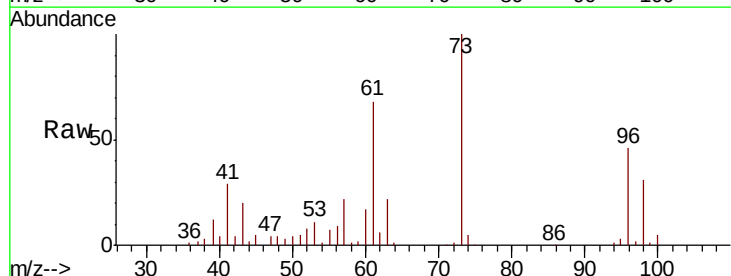
Manual Integrations
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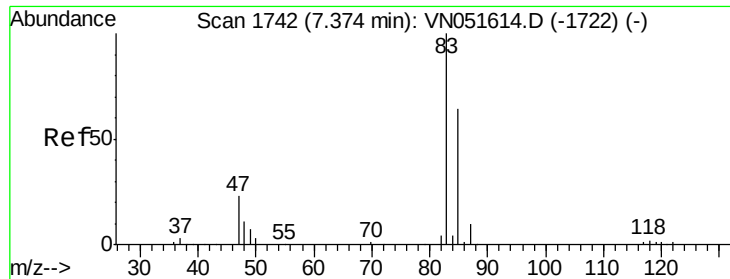
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#24
 Methyl tert-Butyl Ether
 Concen: 9.015 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	73.00 (72.70 to 73.70): VN0	Resp	170703
Ion Ratio	100	Lower	Upper
73	100	16.1	24.1
43	18.7	16.1	24.1





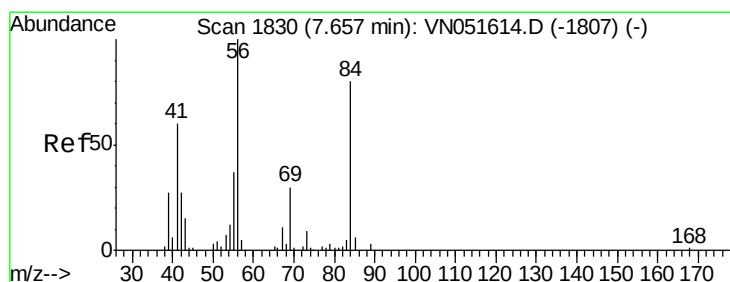
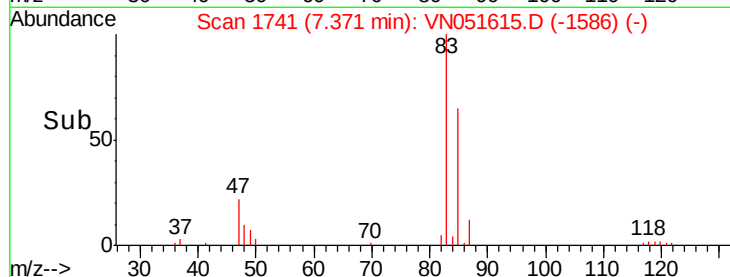
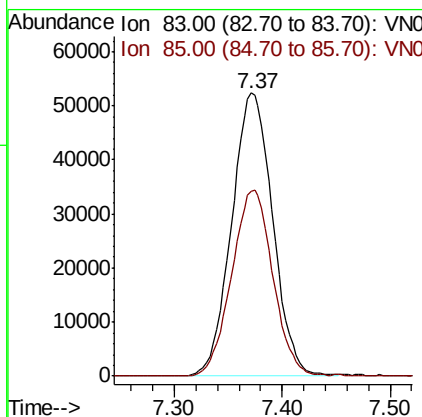
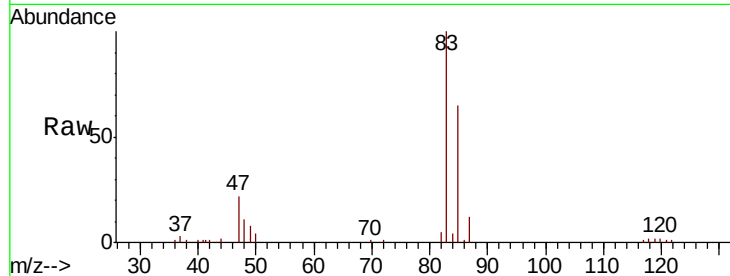
#25
Chloroform
Concen: 9.561 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	83	Resp	138535
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.4	77.0

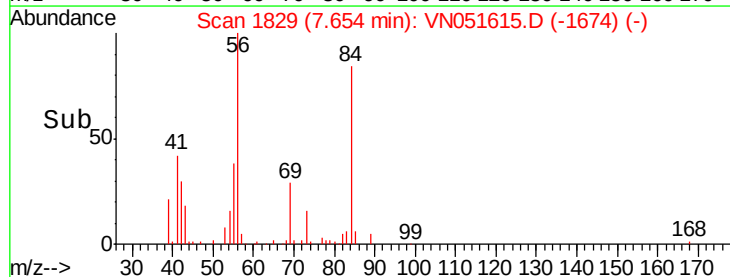
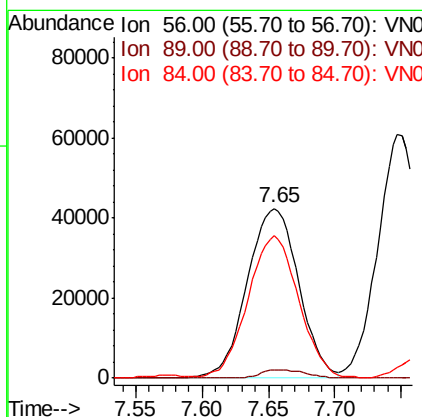
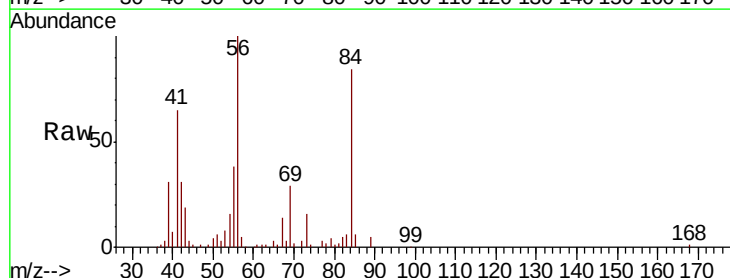
Manual Integrations
APPROVED

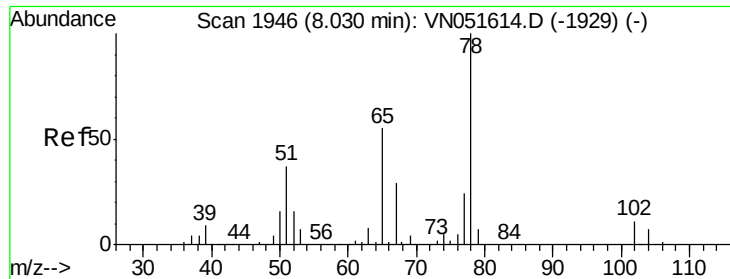
MMDadoda
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#26
Cyclohexane
Concen: 8.736 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	56	Resp	114560
Ion Ratio	100	Lower	Upper
56	100		
89	4.2	2.2	3.2#
84	83.1	65.0	97.4





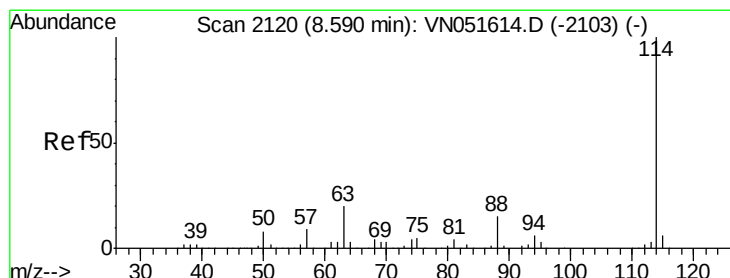
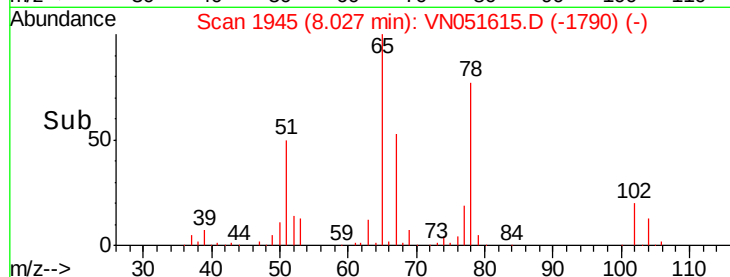
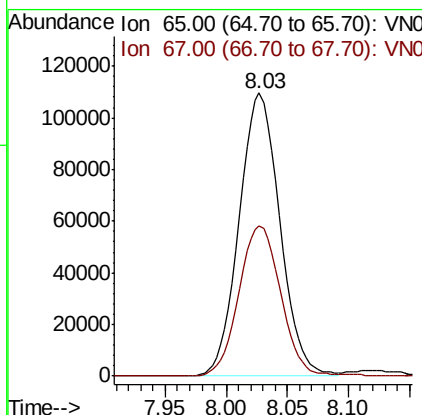
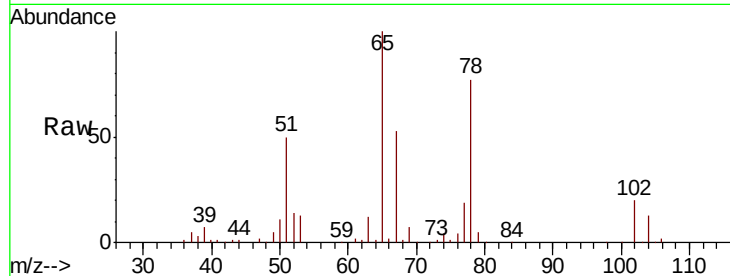
#27
 1,2-Dichloroethane-d4
 Concen: 8.736 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	43.1	64.7

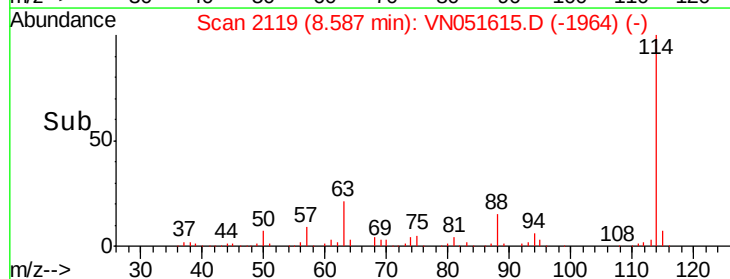
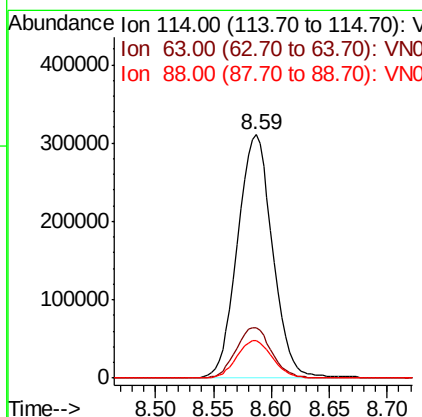
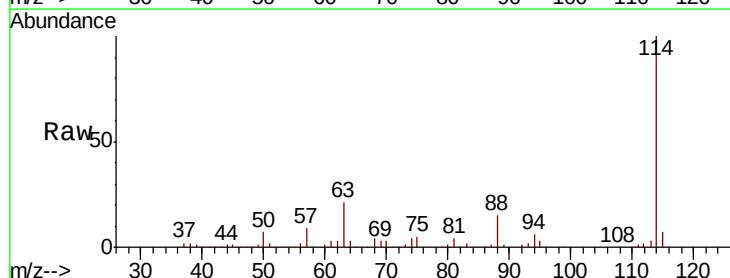
Manual Integrations
 APPROVED

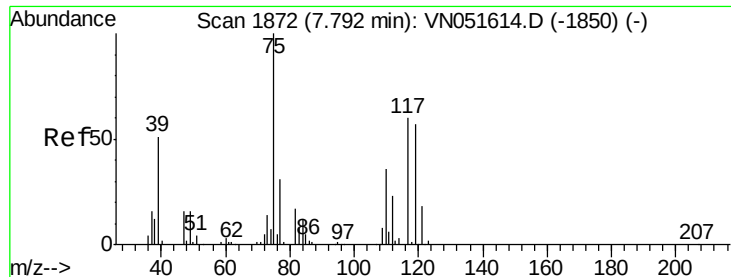
MMDadoda
 10/3/2018 5:27:41 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.4	24.6
88	15.7	12.6	18.8





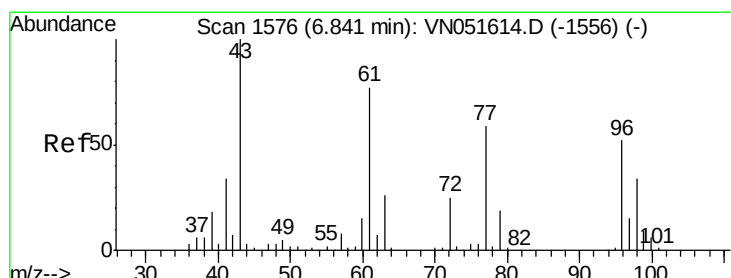
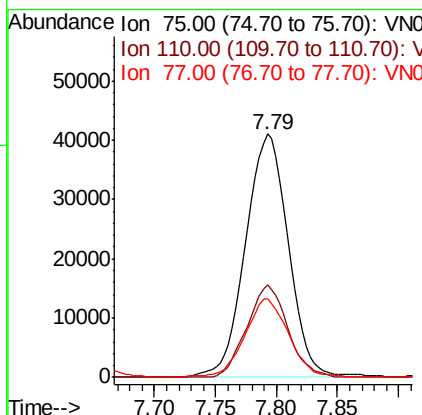
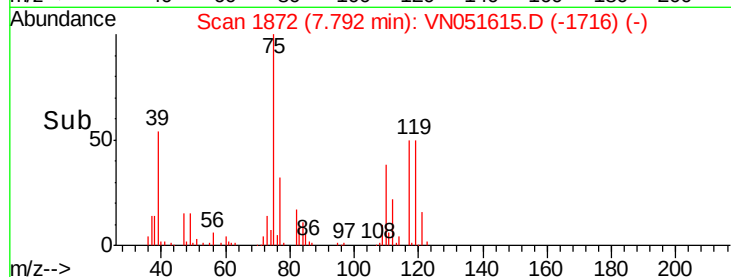
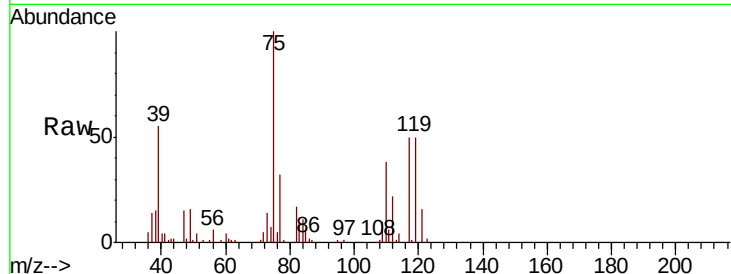
#29
 1,1-Dichloropropene
 Concen: 8.920 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	71.0
77	32.9	0.0	62.4

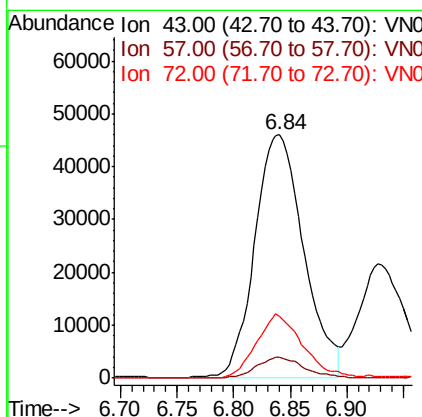
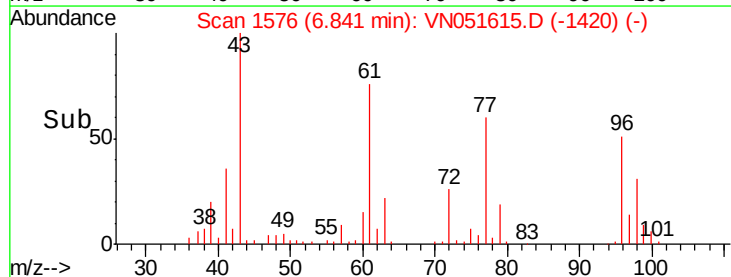
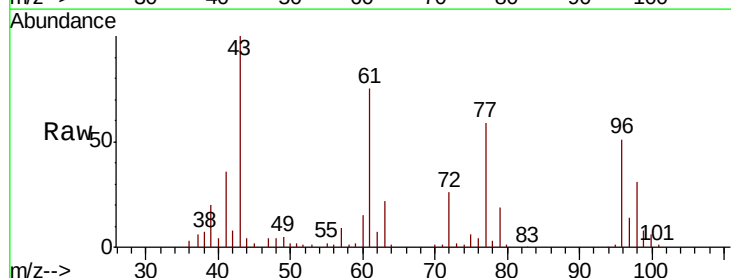
Manual Integrations
 APPROVED

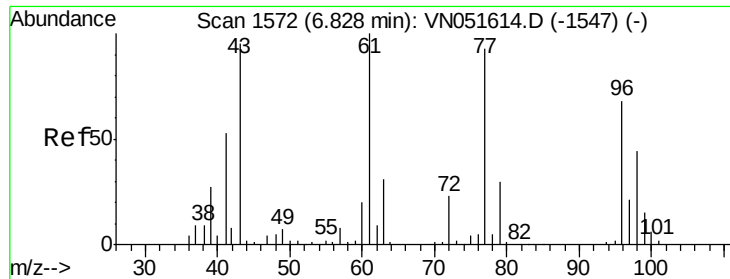
MMDadoda
 10/3/2018 5:27:41 PM



#30
 2-Butanone
 Concen: 45.745 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	10.0
72	24.8	20.8	31.2





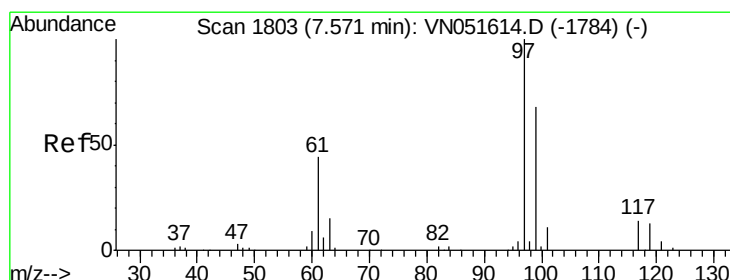
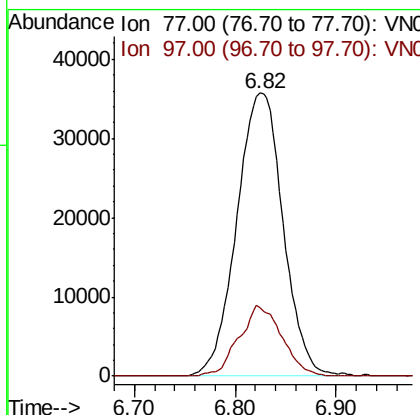
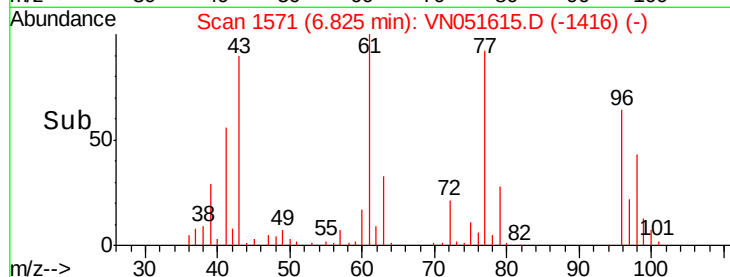
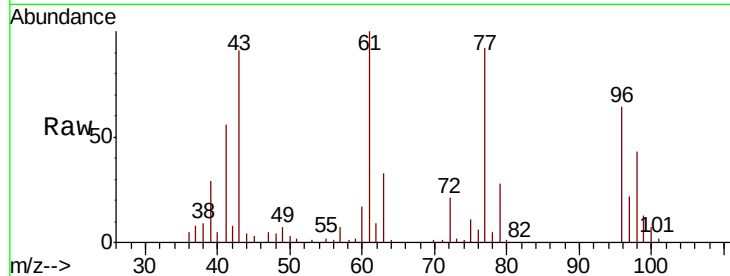
#31
 2,2-Dichloropropane
 Concen: 9.463 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.0	18.6	28.0

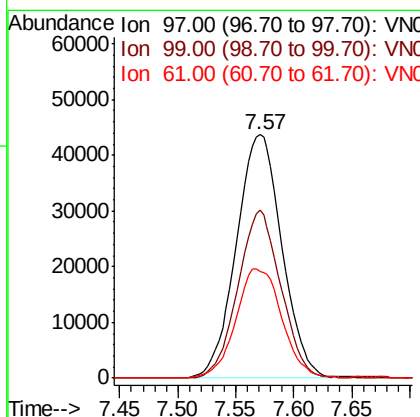
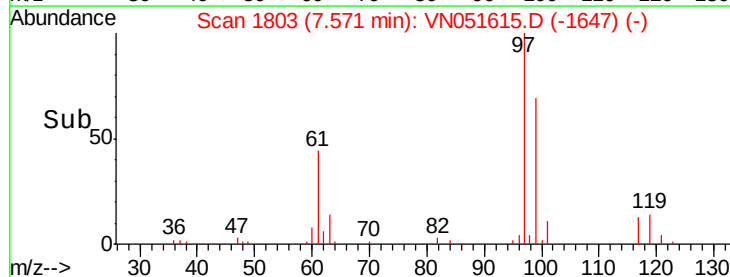
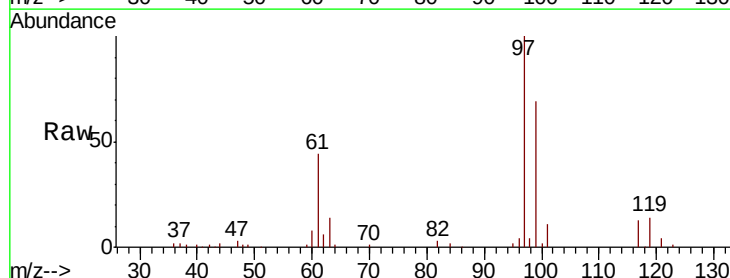
Manual Integrations
 APPROVED

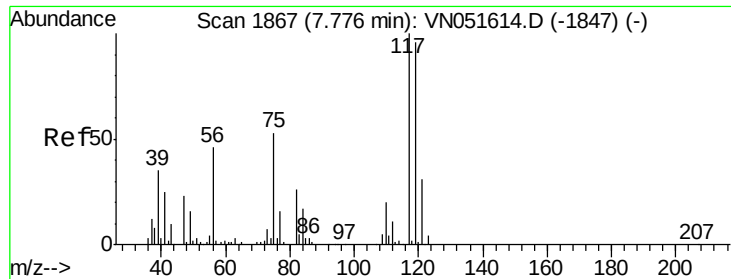
MMDadoda
 10/3/2018 5:27:41 PM



#32
 1,1,1-Trichloroethane
 Concen: 9.558 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.4
61	45.3	36.2	54.4





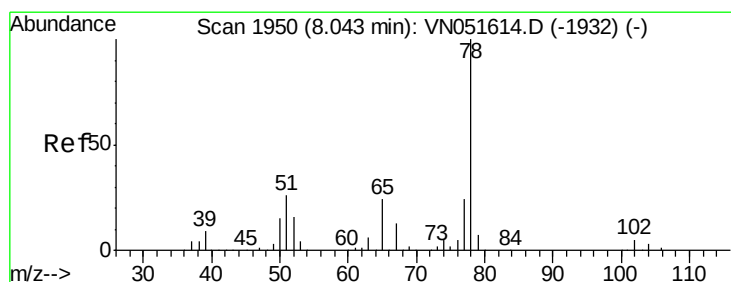
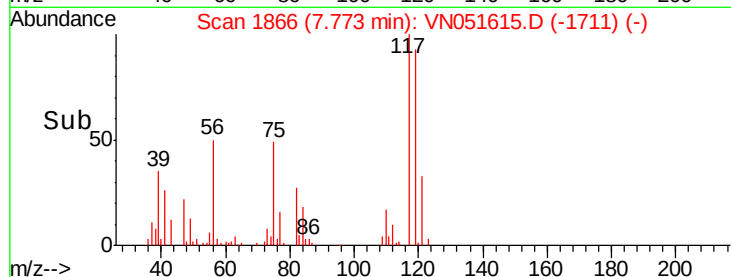
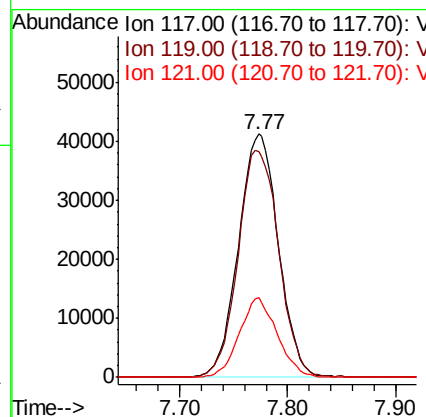
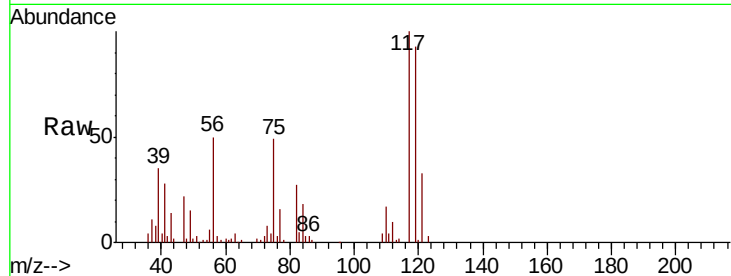
#33
Carbon Tetrachloride
Concen: 9.427 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.5	114.7
121	32.9	25.0	37.6

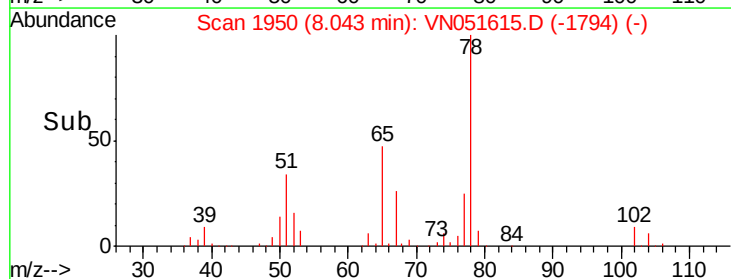
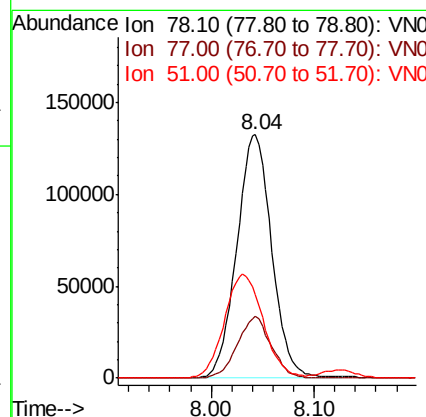
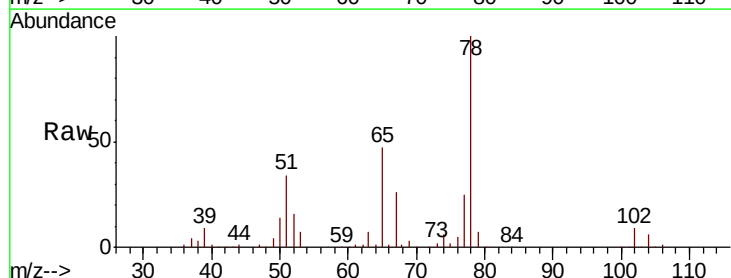
Manual Integrations
APPROVED

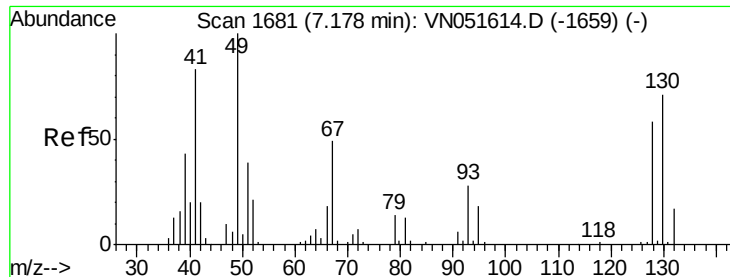
MMDadoda
10/3/2018 5:27:41 PM



#34
Benzene
Concen: 9.443 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.3	28.9
51	33.7	20.8	31.2#





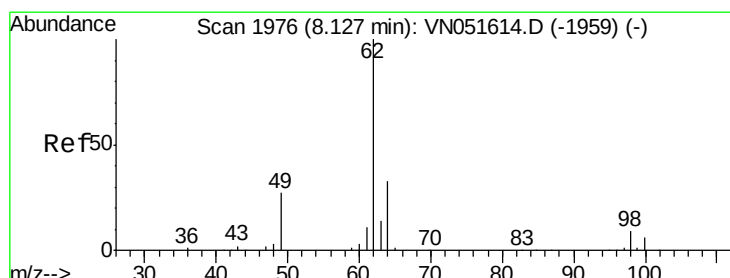
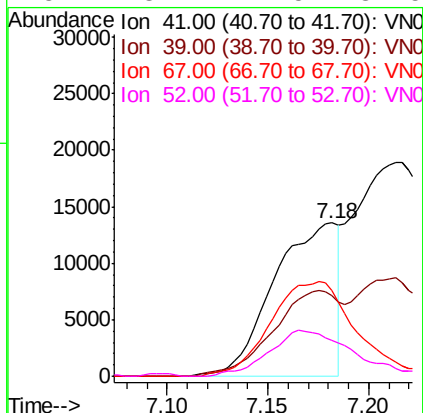
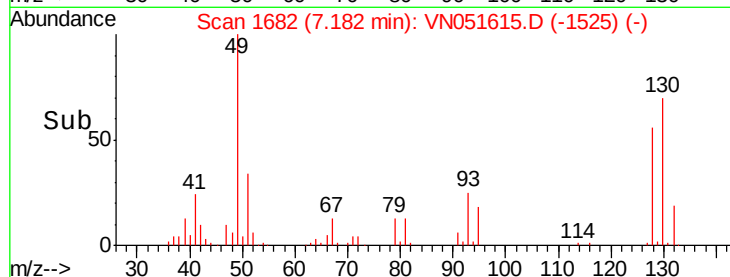
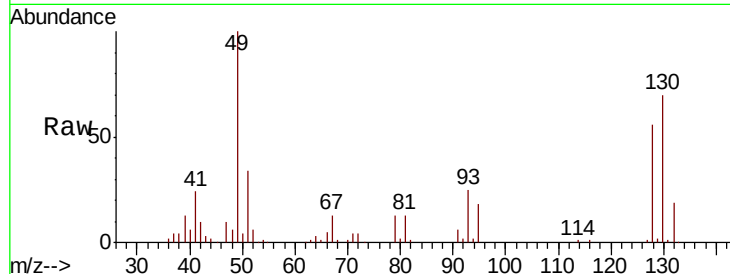
#35
Methacrylonitrile
Concen: 8.490 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	25.6	76.8	
67	55.9	29.4	88.2	
52	23.2	12.5	37.5	

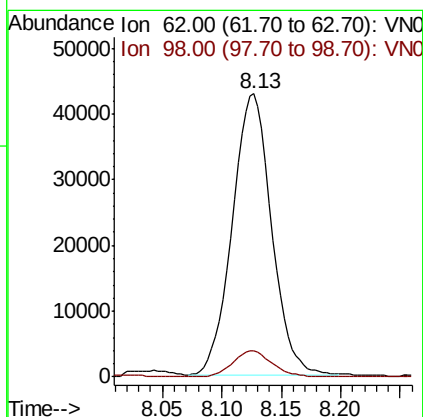
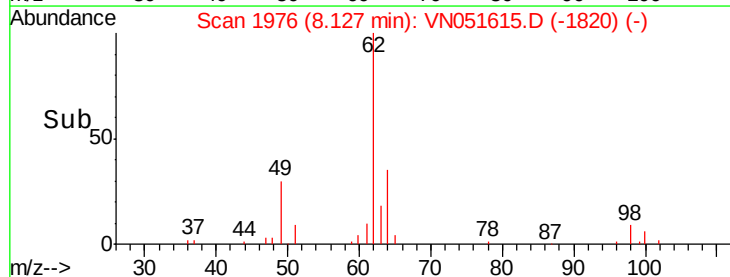
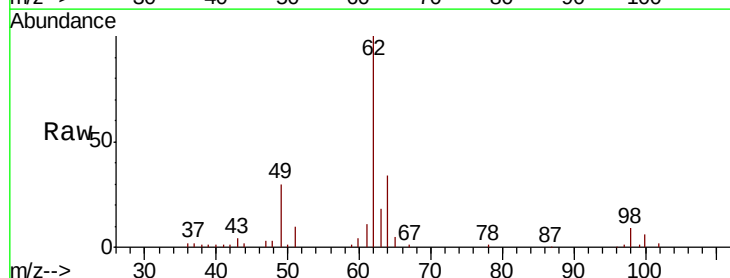
Manual Integrations
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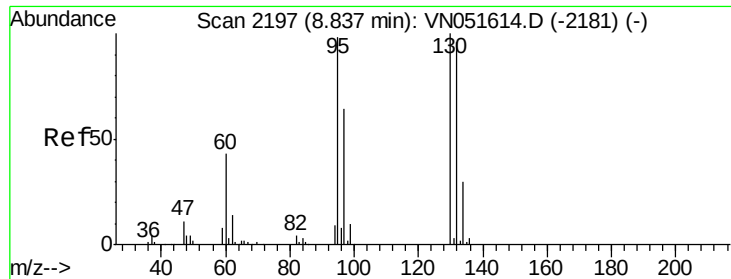
MMDadoda
10/3/2018 5:27:41 PM



#36
1,2-Dichloroethane
Concen: 9.243 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	7.4	11.2	





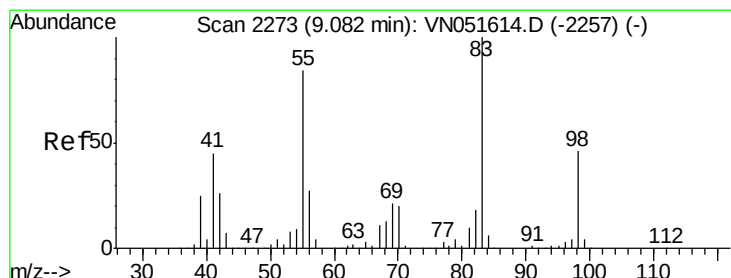
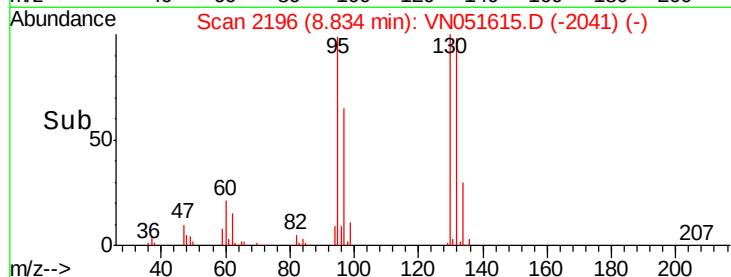
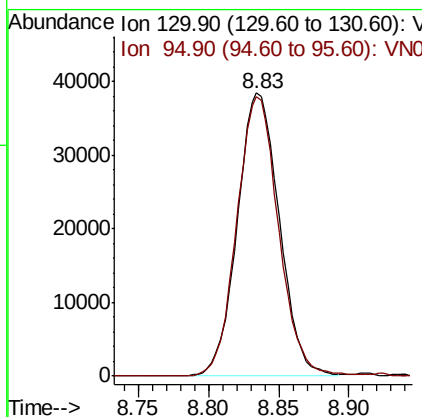
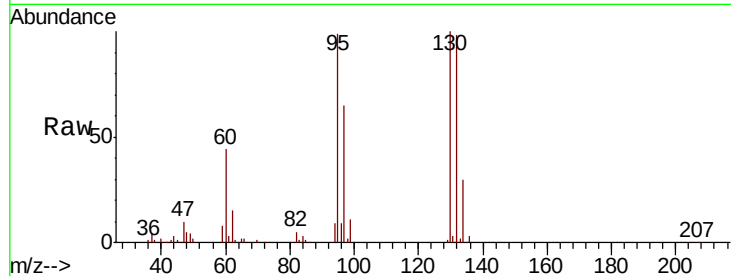
#37
 Trichloroethene
 Concen: 9.431 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion:130 Resp: 80132
 Ion Ratio Lower Upper
 130 100
 95 99.0 78.4 117.6

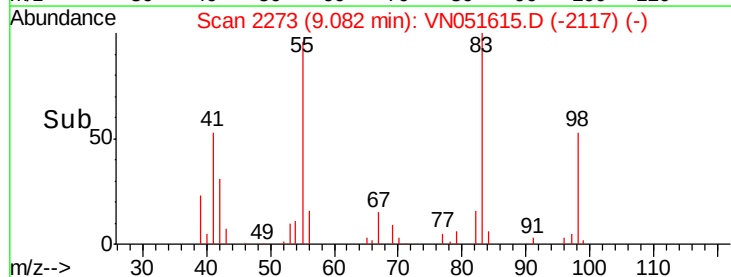
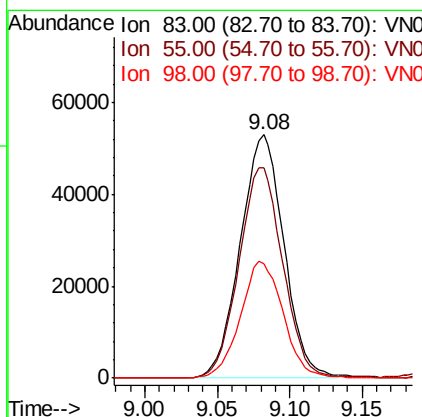
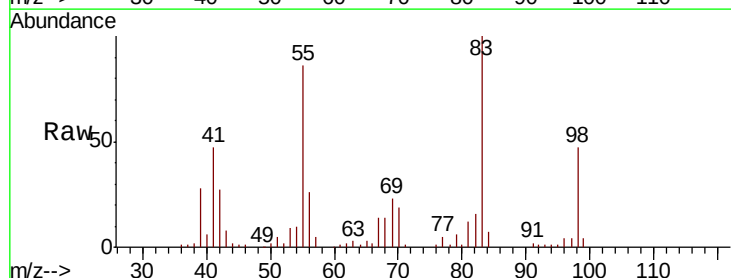
Manual Integrations
 APPROVED

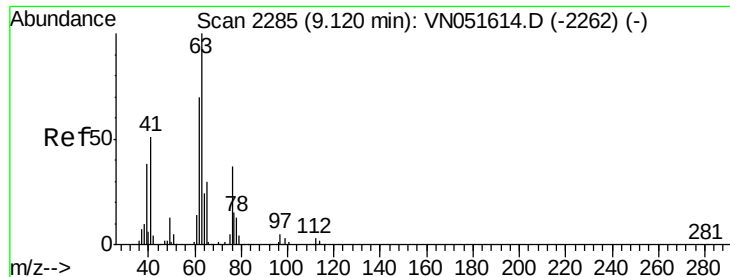
MMDadoda
 10/3/2018 5:27:41 PM



#38
 Methylcyclohexane
 Concen: 8.613 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion: 83 Resp: 110863
 Ion Ratio Lower Upper
 83 100
 55 86.9 41.6 124.9
 98 47.2 23.1 69.2





#39

1,2-Dichloropropane

Concen: 9.341 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 84701

Ion Ratio Lower Upper

63 100

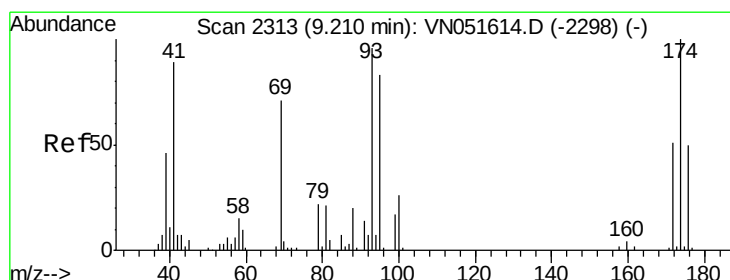
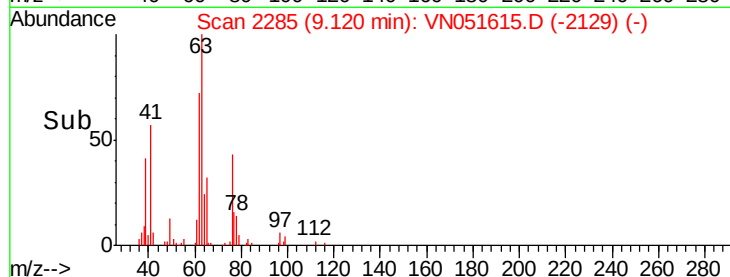
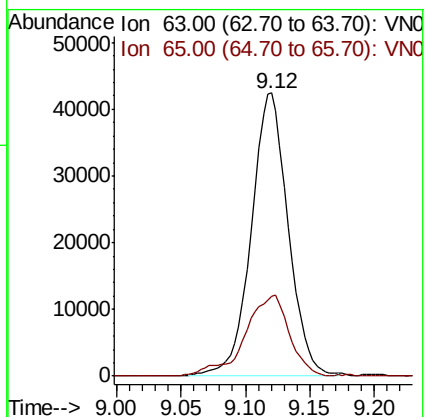
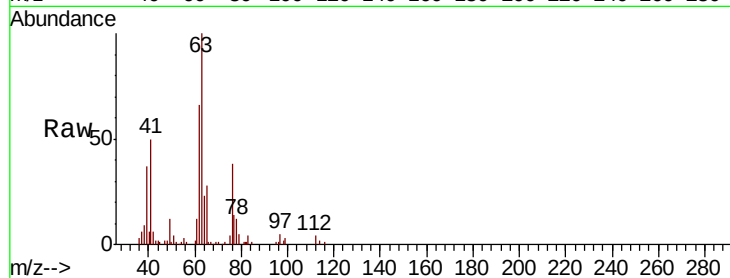
65 28.0 24.4 36.6

Manual Integrations

APPROVED

MMDadoda

10/3/2018 5:27:41 PM



#40

Dibromomethane

Concen: 9.324 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

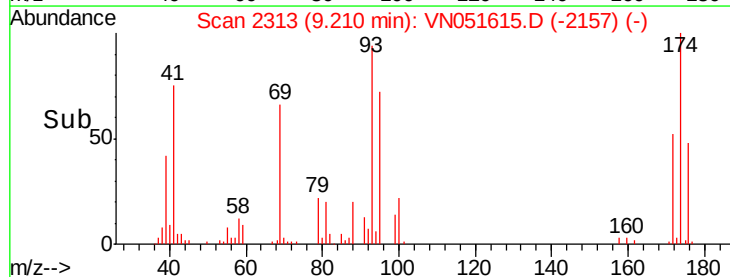
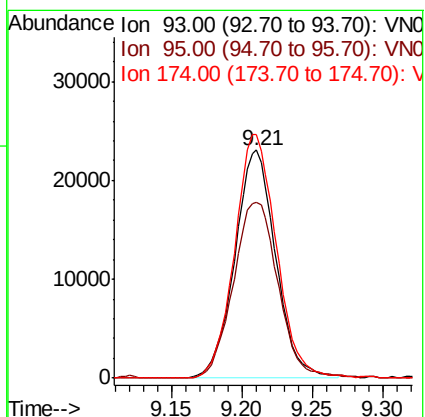
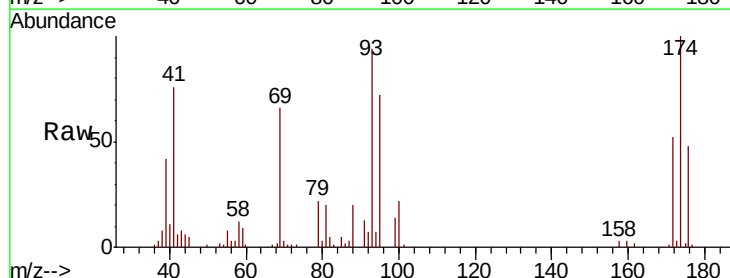
Tgt Ion: 93 Resp: 46968

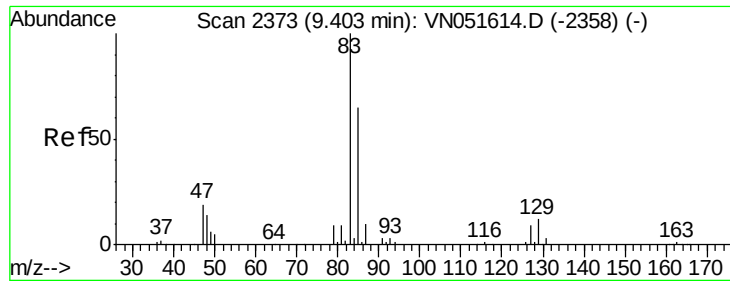
Ion Ratio Lower Upper

93 100

95 83.8 0.0 171.0

174 108.3 0.0 212.0





#41

Bromodichloromethane

Concen: 9.320 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

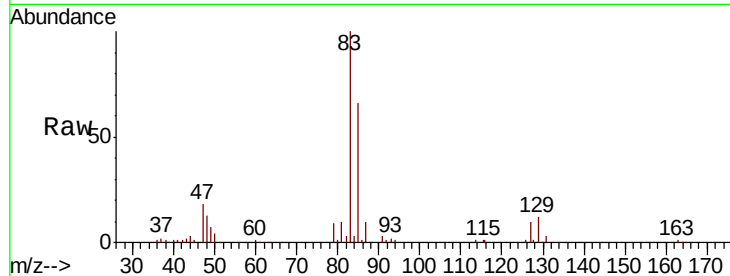
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	102483
Ion Ratio	Lower	Upper	
83	100		
85	66.4	52.1	78.1
127	9.5	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
10/3/2018 5:27:41 PM

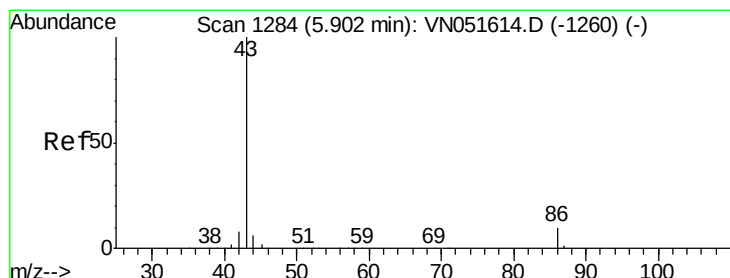
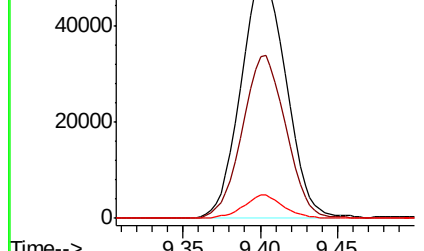
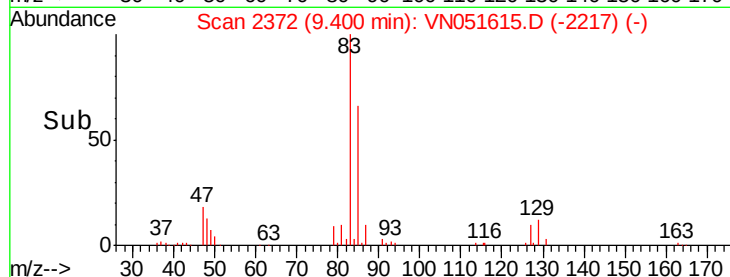


Abundance Ion 83.00 (82.70 to 83.70): VN051615.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051615.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051615.D (-2217) (-)

Time-->



#42

Vinyl Acetate

Concen: 43.231 ug/l

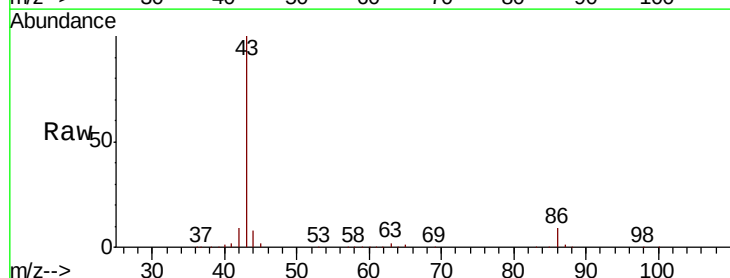
RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

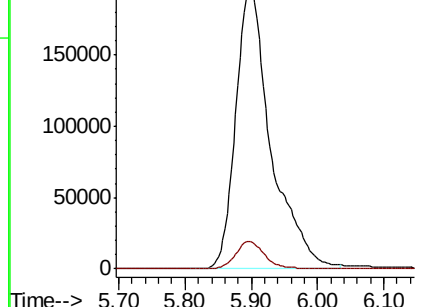
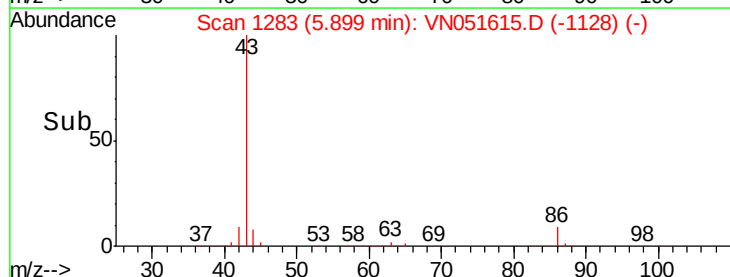
Tgt Ion:	43	Resp:	730649
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.6	9.8

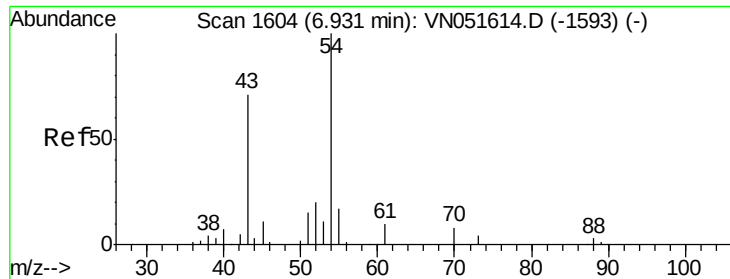


Abundance Ion 43.00 (42.70 to 43.70): VN051615.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051615.D (-1128) (-)

Time-->





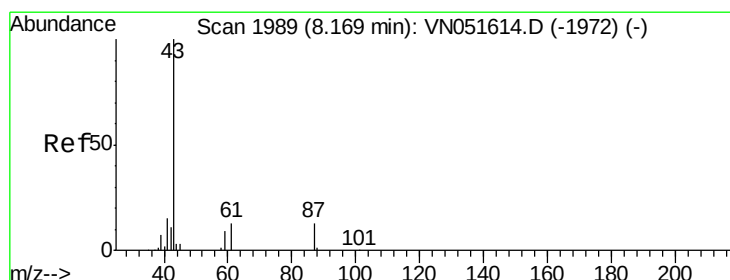
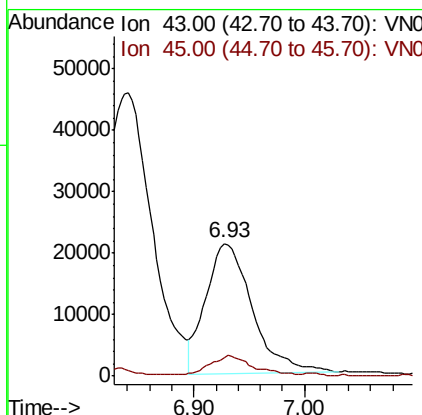
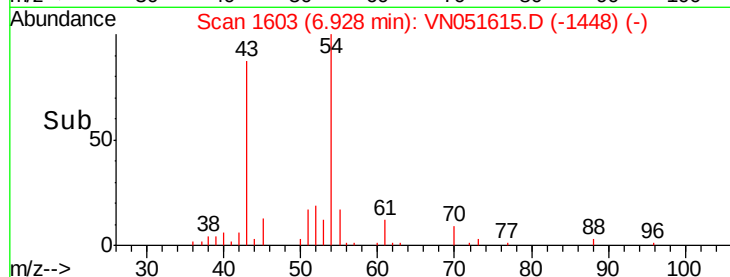
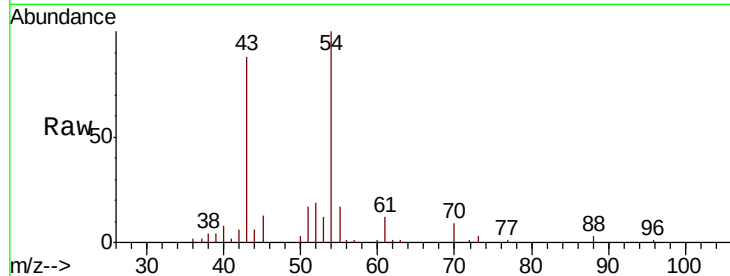
#43
Ethyl Acetate
Concen: 9.610 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 61752
Ion Ratio Lower Upper
43 100
45 15.4 10.6 16.0

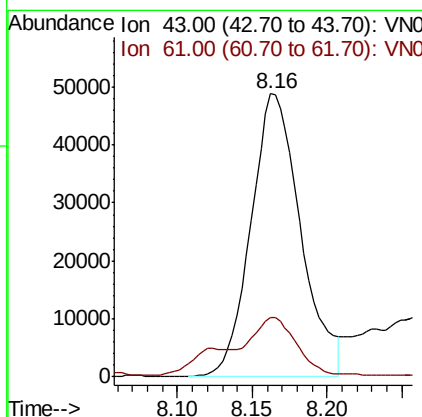
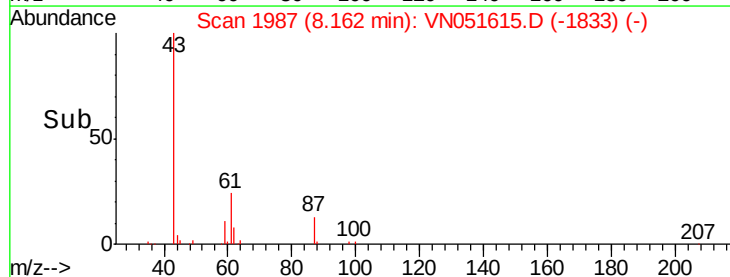
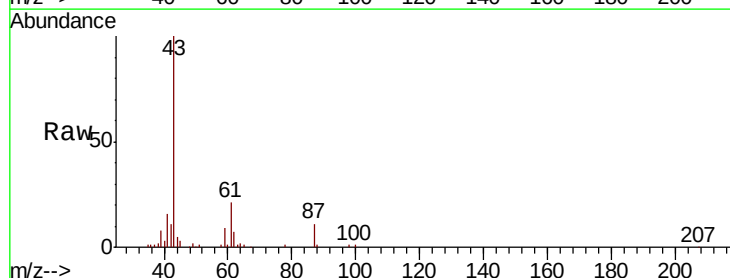
Manual Integrations
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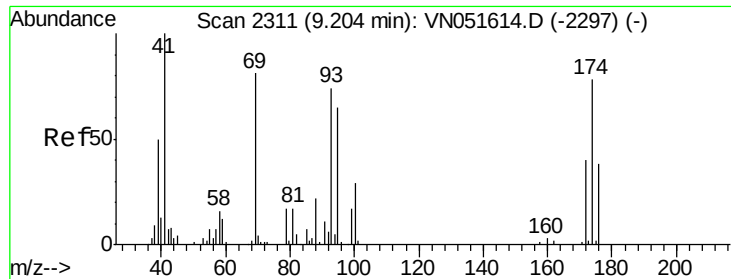
MMDadoda
10/3/2018 5:27:41 PM



#44
Isopropyl Acetate
Concen: 8.991 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.01 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion: 43 Resp: 113120
Ion Ratio Lower Upper
43 100
61 17.2 15.4 23.0





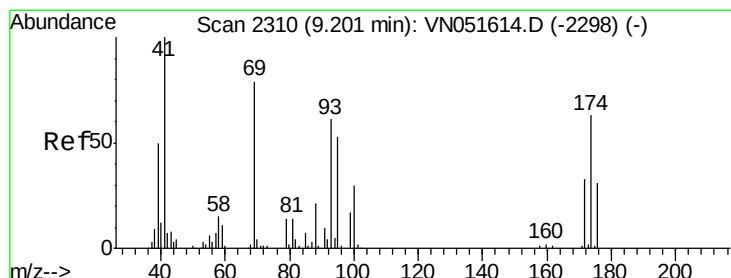
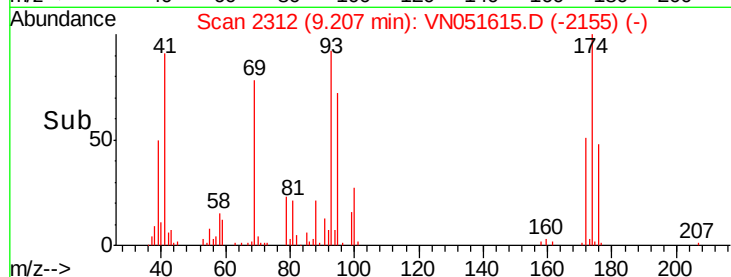
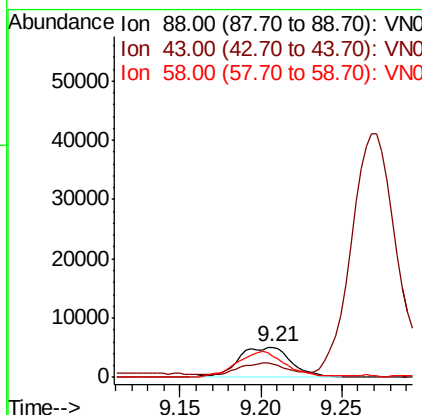
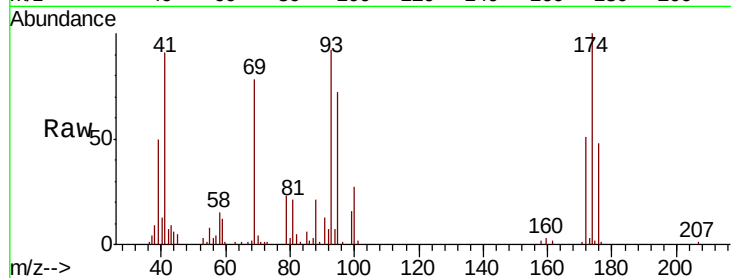
#45
1,4-Dioxane
Concen: 168.760 ug/l m
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	29.0	43.6
58	78.4	59.0	88.6

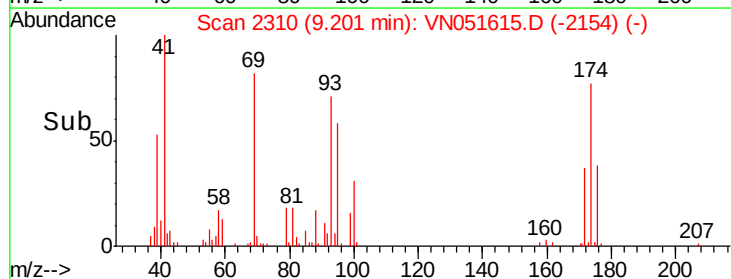
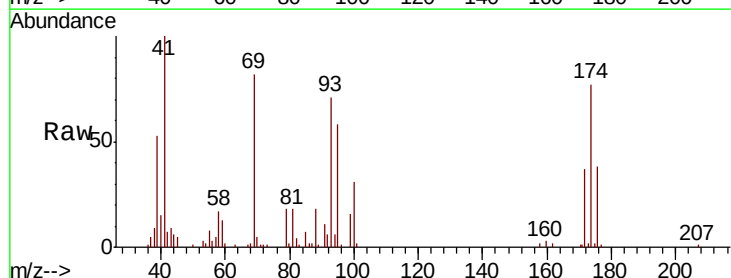
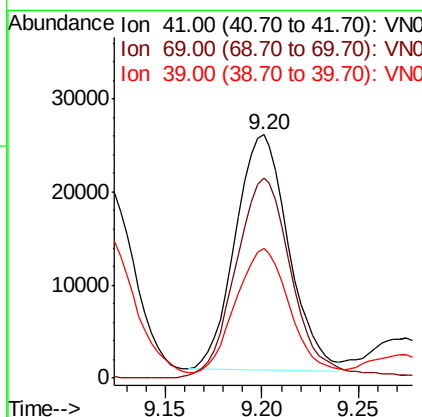
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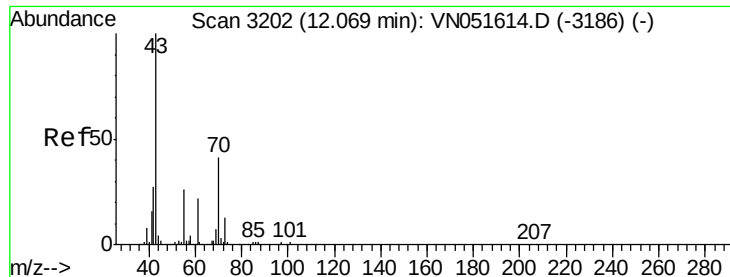
MMDadoda
10/3/2018 5:27:41 PM



#46
Methyl methacrylate
Concen: 8.301 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.3	39.6	118.7
39	52.8	24.9	74.6





#47

n-amvl Acetate

Concen: 7.793 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 73365

Ion Ratio Lower Upper

43 100

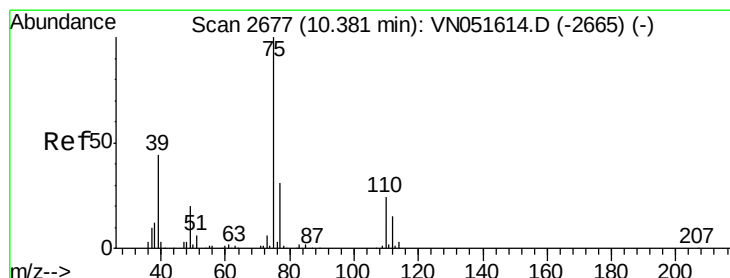
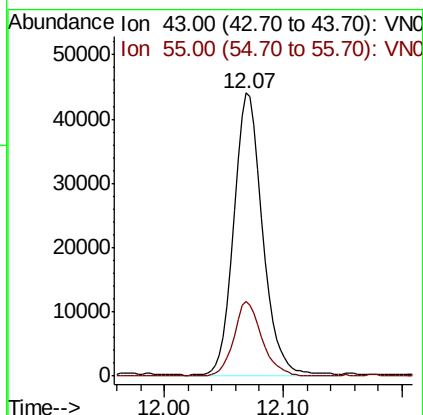
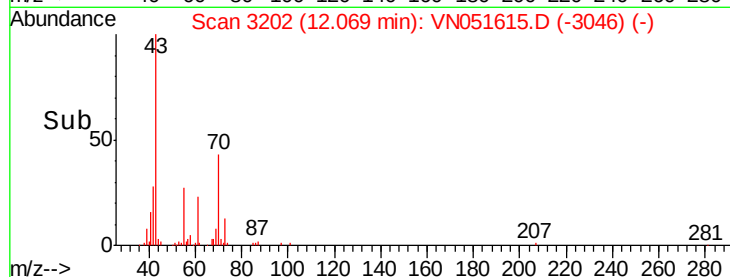
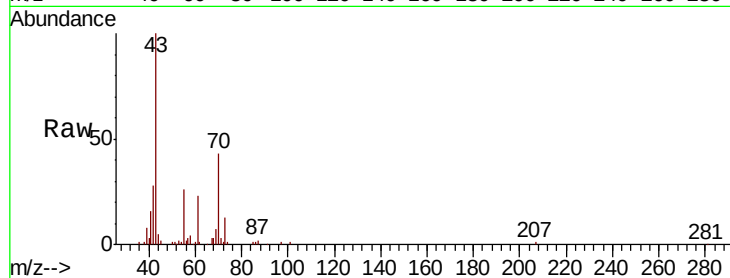
55 25.9 21.5 32.3

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 8.614 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051615.D

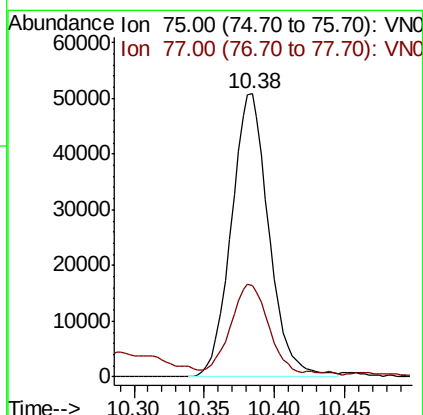
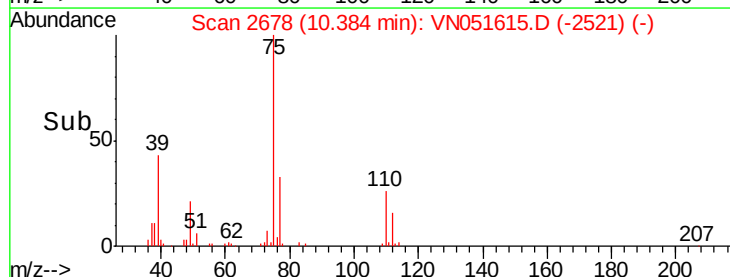
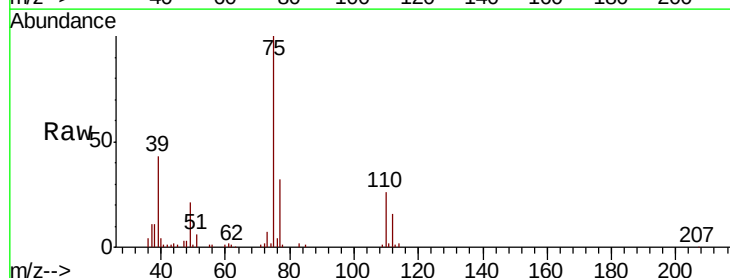
Acq: 28 Sep 2018 13:23

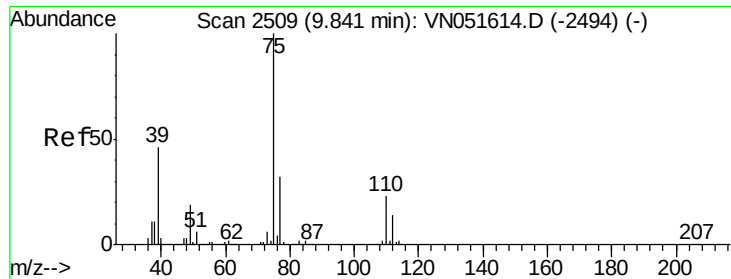
Tgt Ion: 75 Resp: 94534

Ion Ratio Lower Upper

75 100

77 31.3 26.0 39.0





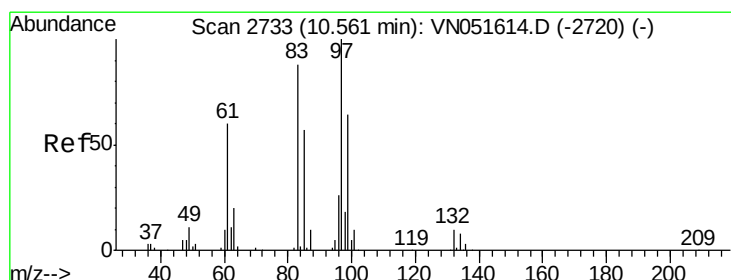
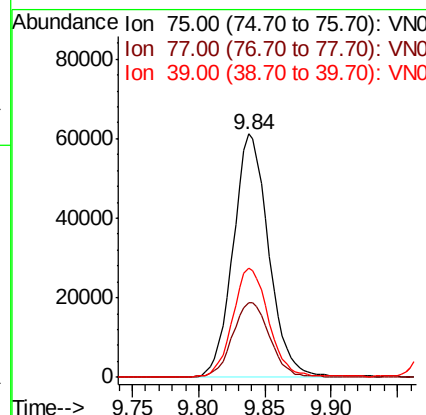
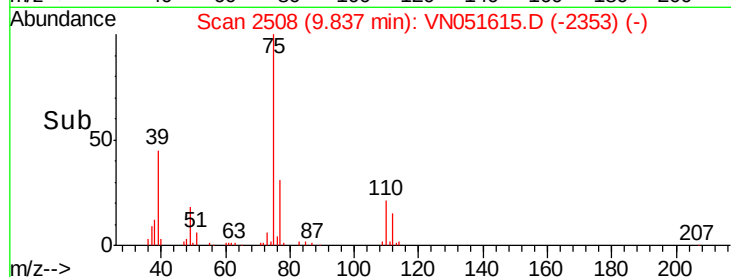
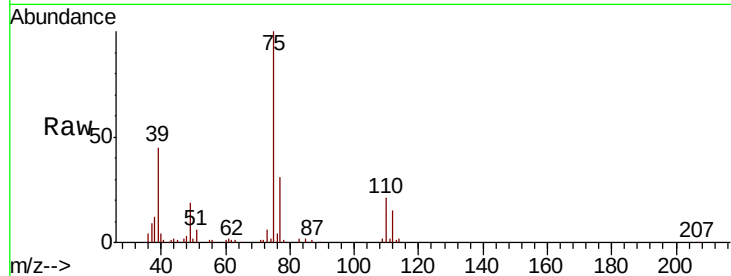
#49
 cis-1,3-Dichloropropene
 Concen: 8.903 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.0
39	44.7	36.6	55.0

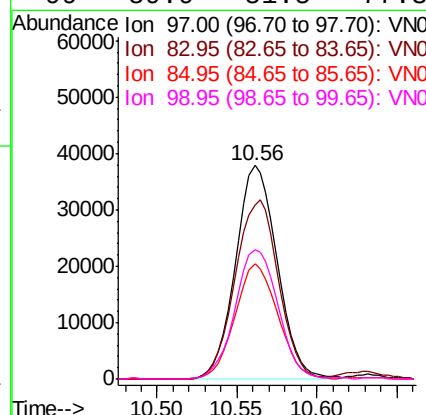
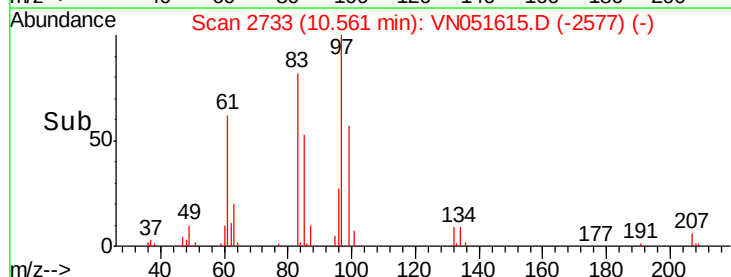
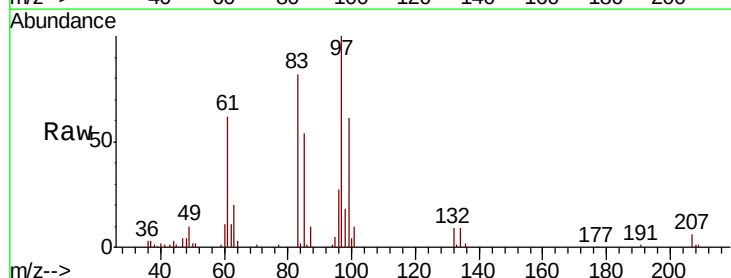
Manual Integrations
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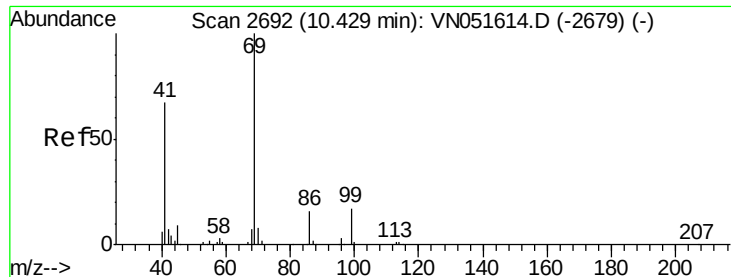
MMDadoda
 10/3/2018 5:27:41 PM



#50
 1,1,2-Trichloroethane
 Concen: 9.466 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.7	70.2	105.2
85	54.0	45.6	68.4
99	59.9	51.5	77.3





#51

Ethyl methacrylate

Concen: 8.296 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

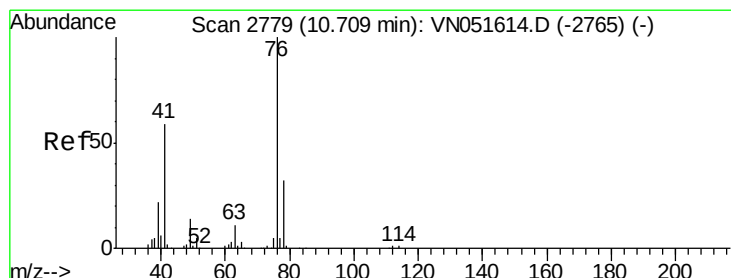
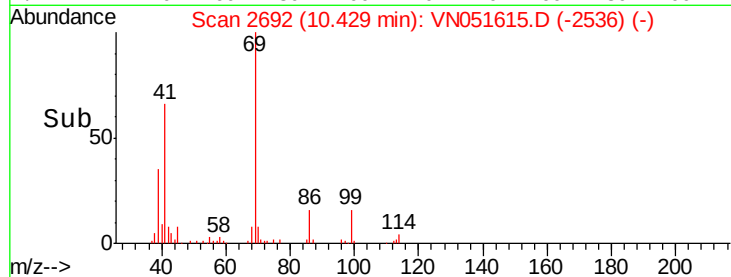
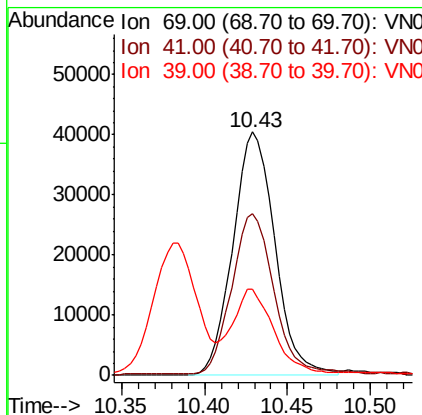
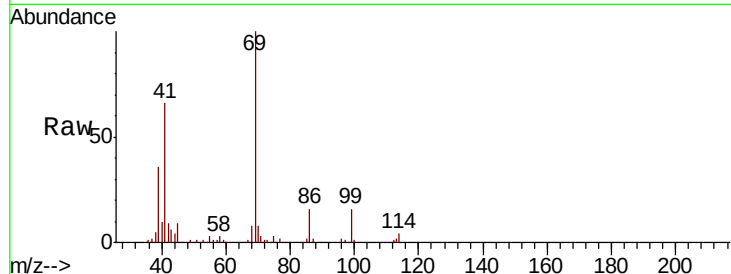
ClientSampled :

VSTDIC010

Tot Ion:	69	Resp:	71650
Ion	Ratio	Lower	Upper
69	100		
41	65.8	33.3	99.8
39	34.5	17.2	51.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 9.147 ug/l

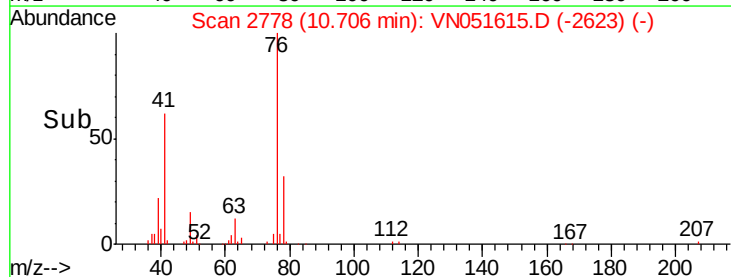
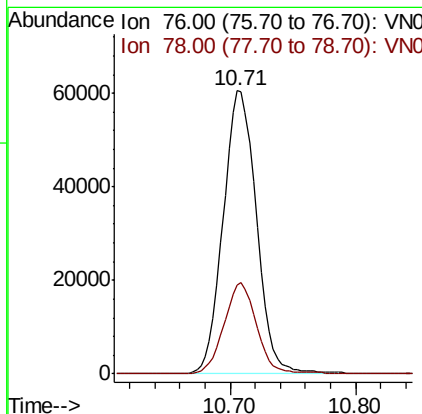
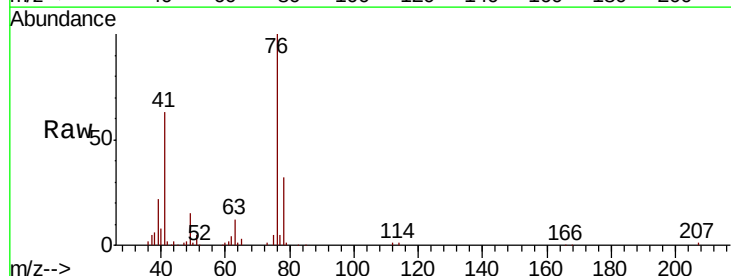
RT: 10.71 min Scan# 2778

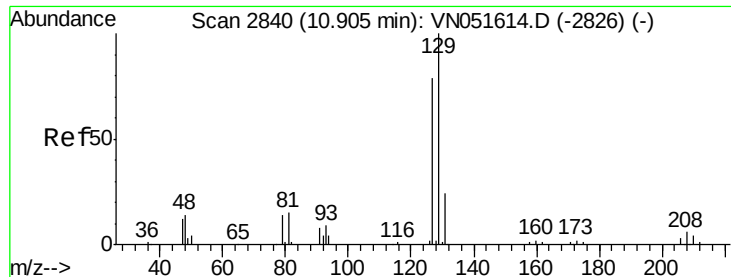
Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Tgt Ion:	76	Resp:	111647
Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	63.4





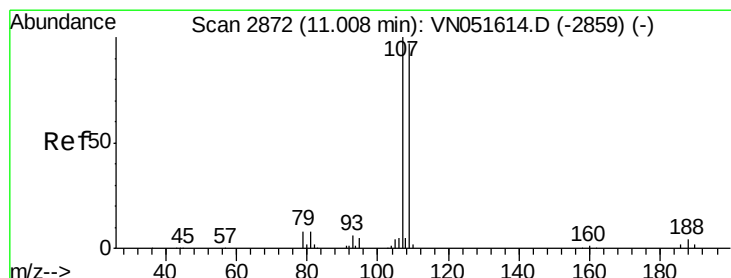
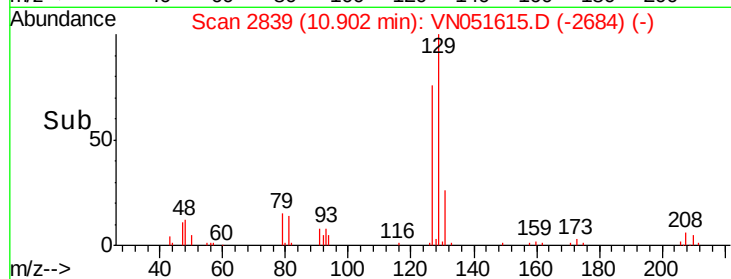
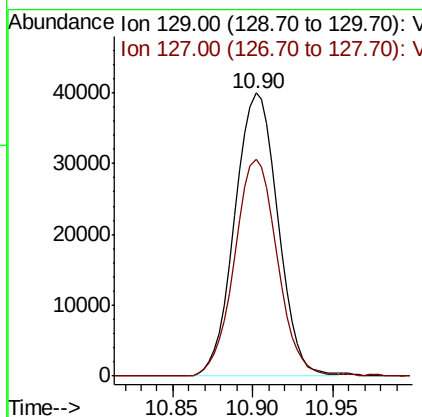
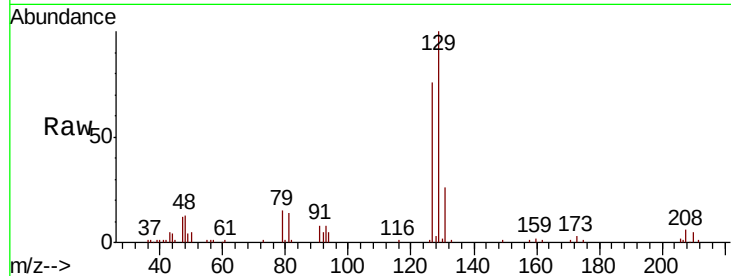
#53
Dibromochloromethane
Concen: 9.070 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.9	116.7

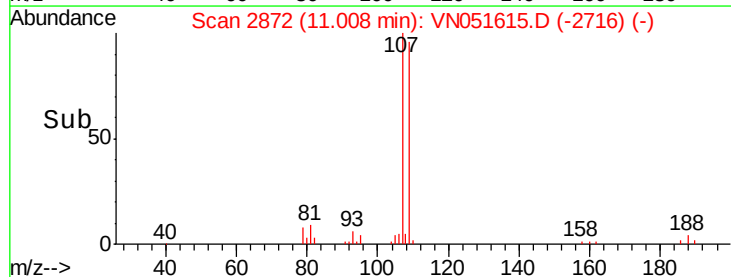
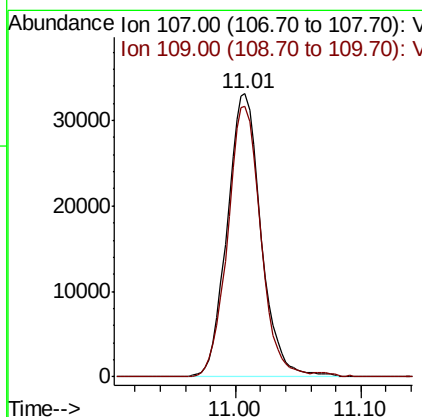
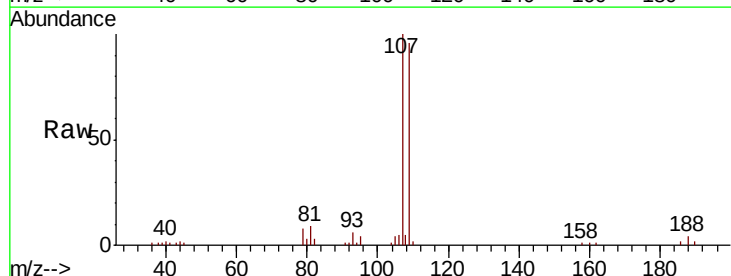
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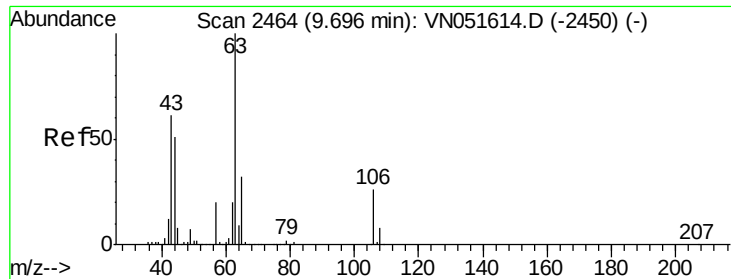
MMDadoda
10/3/2018 5:27:41 PM



#54
1,2-Dibromoethane
Concen: 9.082 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.5	114.7





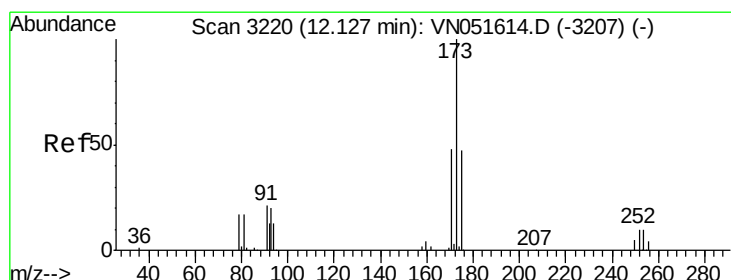
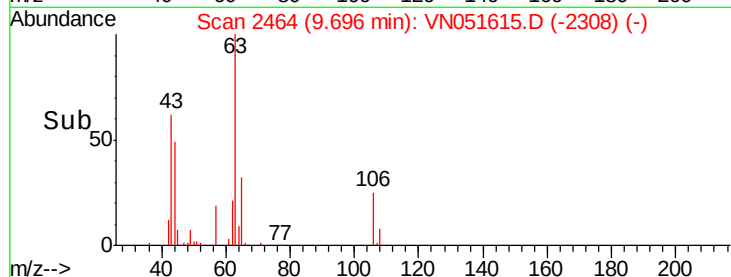
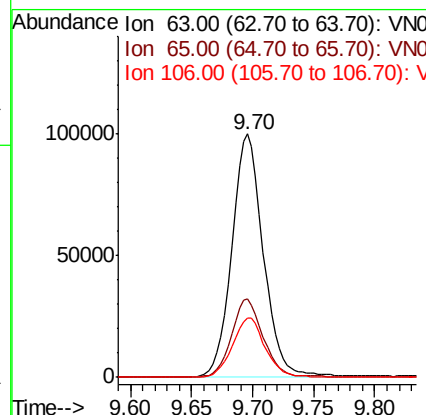
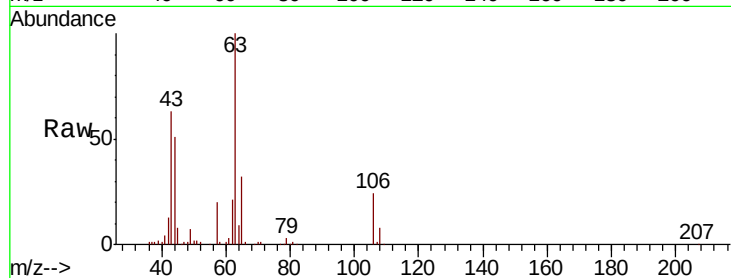
#55
2-Chloroethyl vinyl ether
Concen: 42.240 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.8	38.6
106	25.2	20.4	30.6

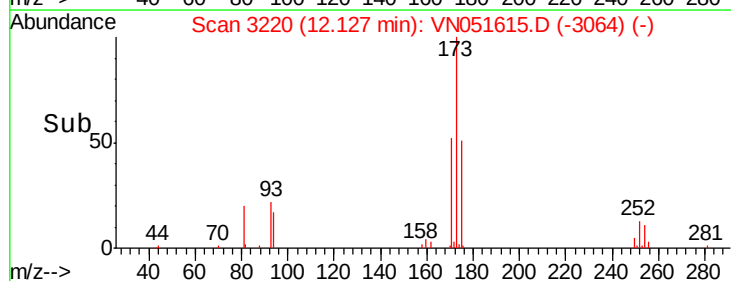
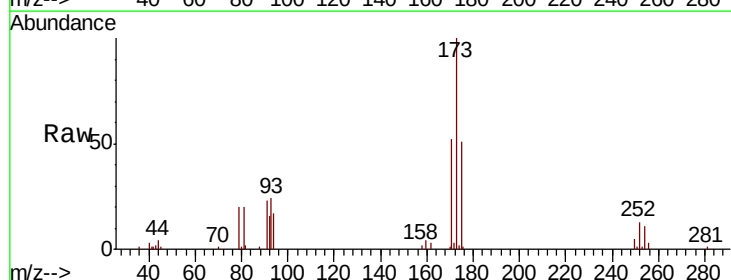
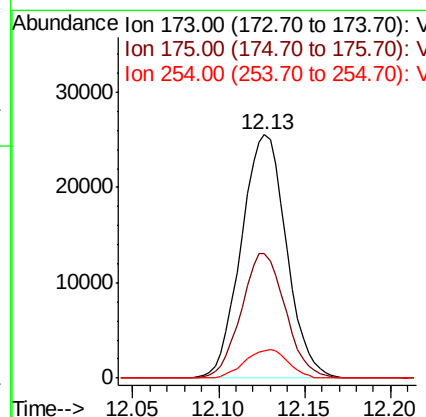
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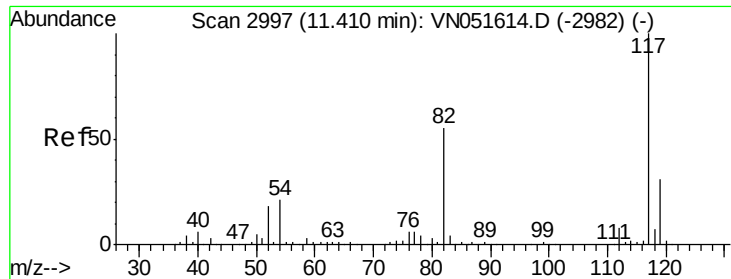
MMDadoda
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#56
Bromoform
Concen: 8.651 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.9	39.0	58.4
254	11.2	8.7	13.1





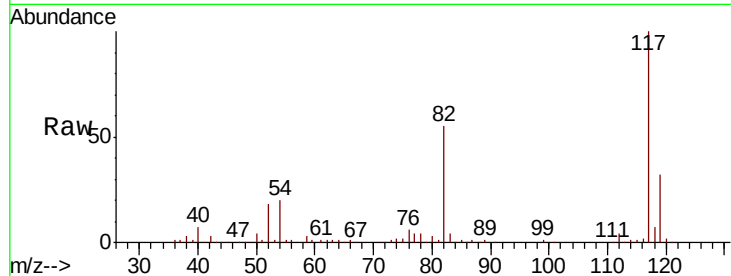
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.2	66.2
119	32.0	25.2	37.8

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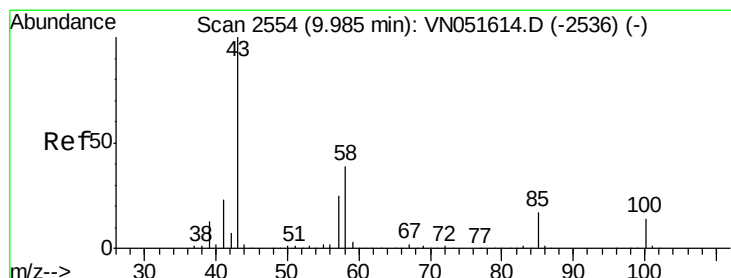
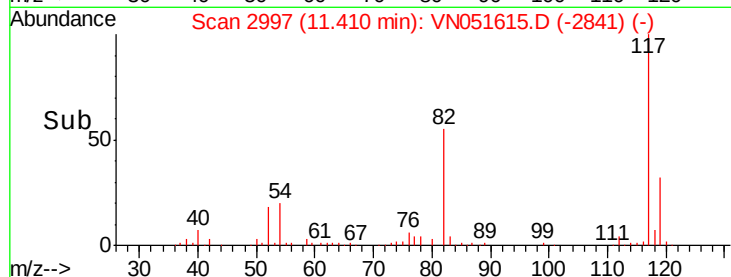
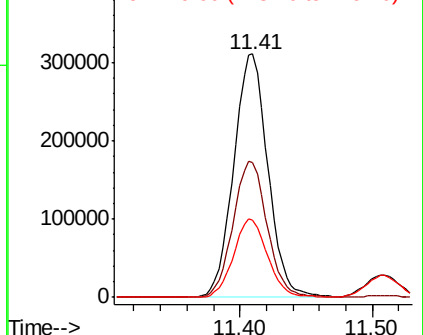


Abundance

Ion 117.00 (116.70 to 117.70): V

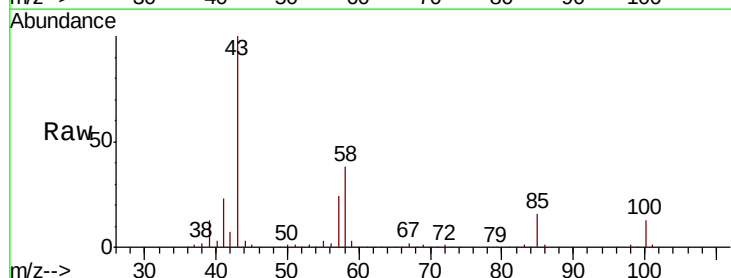
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 46.820 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	31.0	46.4
85	15.7	13.4	20.2

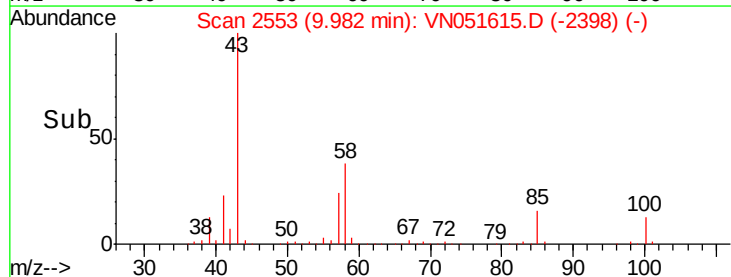
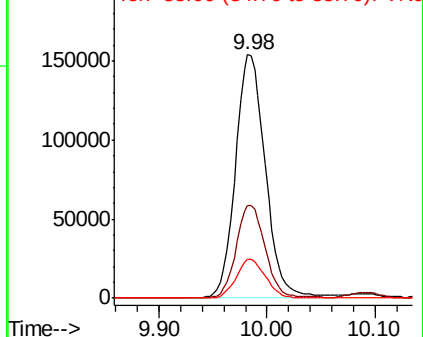


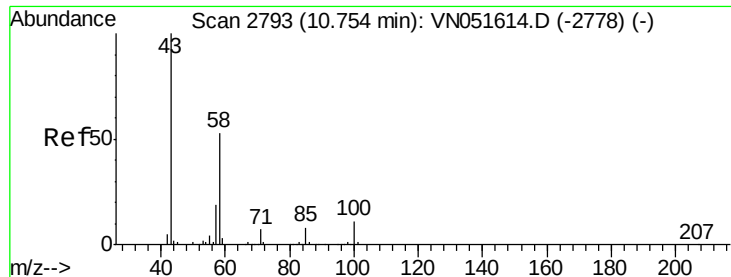
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





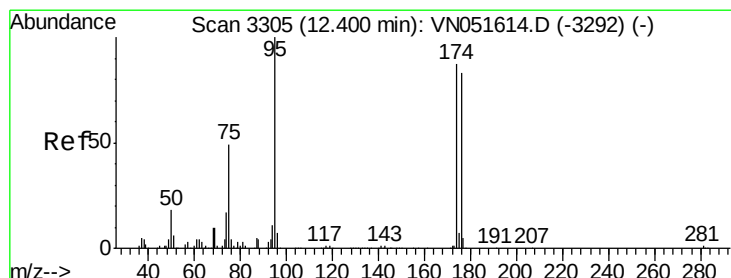
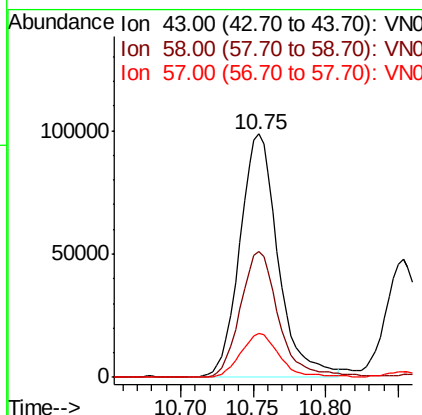
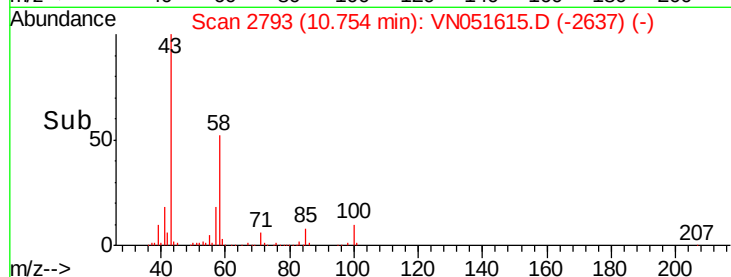
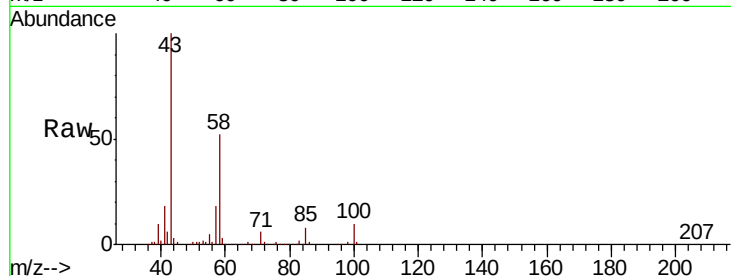
#59
2-Hexanone
Concen: 43.351 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.5	62.3
57	18.4	14.2	21.4

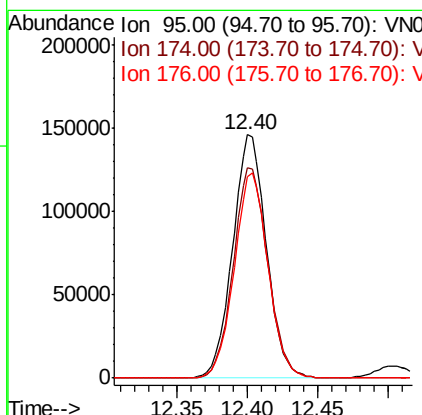
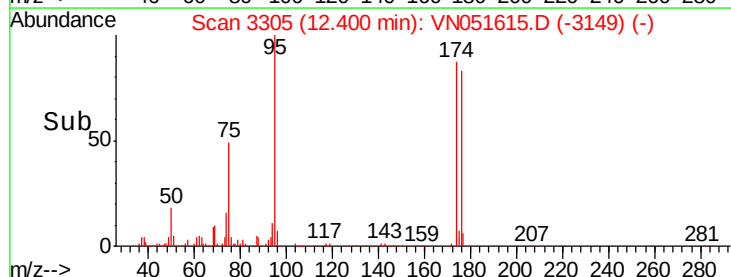
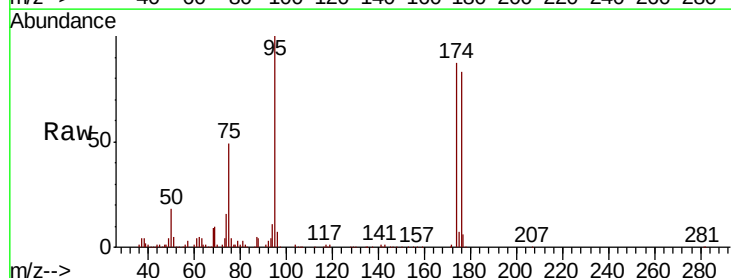
Manual Integrations
APPROVED

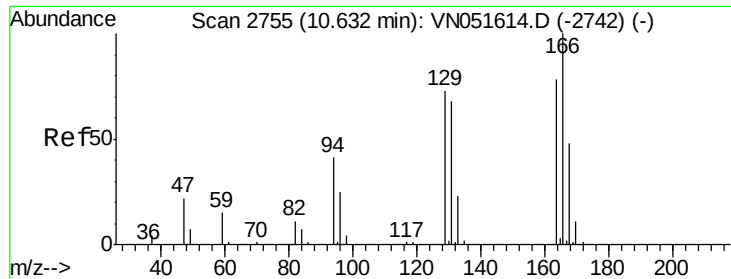
MMDadoda
10/3/2018 5:27:41 PM



#60
4-Bromofluorobenzene
Concen: 43.351 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.3	71.2	106.8
176	84.5	67.8	101.8





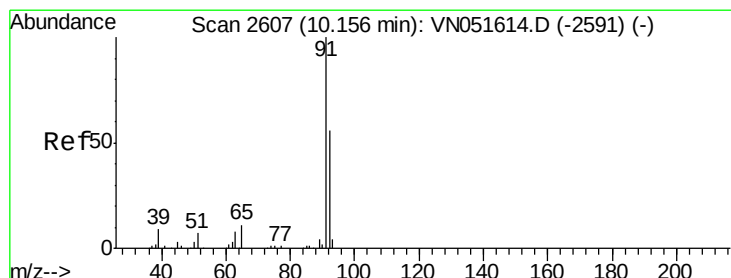
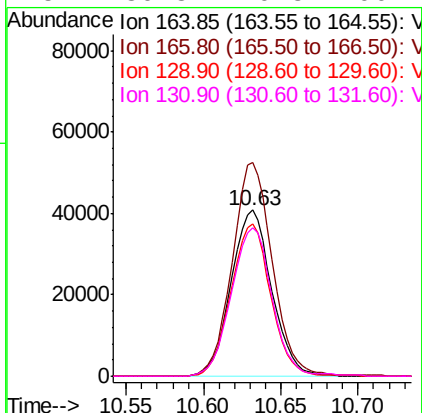
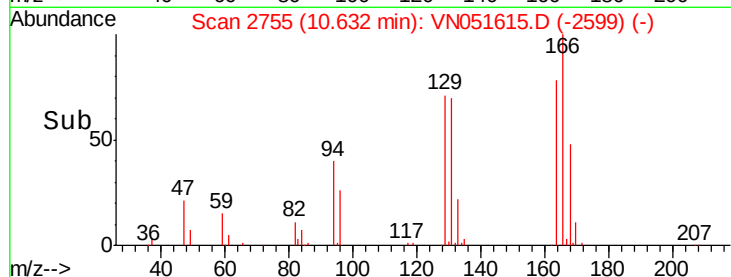
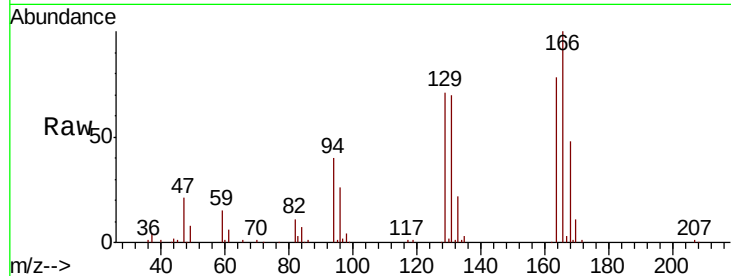
#61
Tetrachloroethene
Concen: 9.423 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.1	154.7
129	91.5	75.3	112.9
131	89.8	70.8	106.2

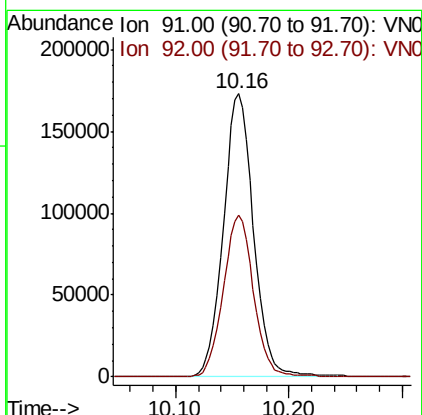
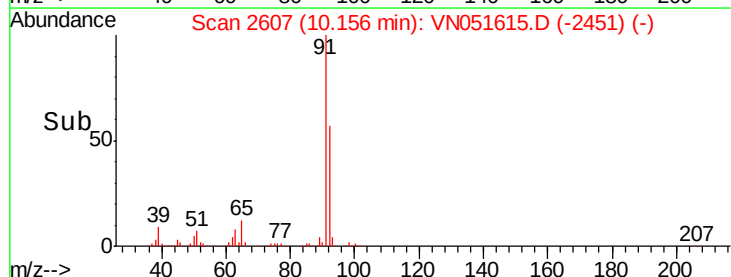
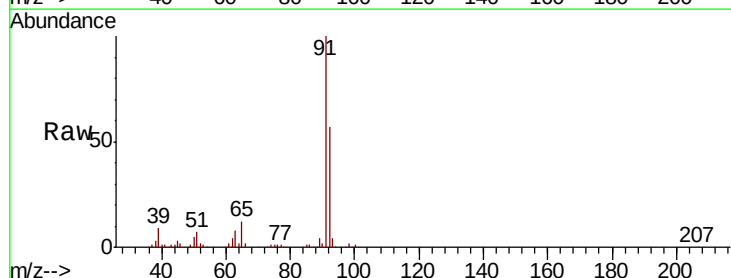
Manual Integrations
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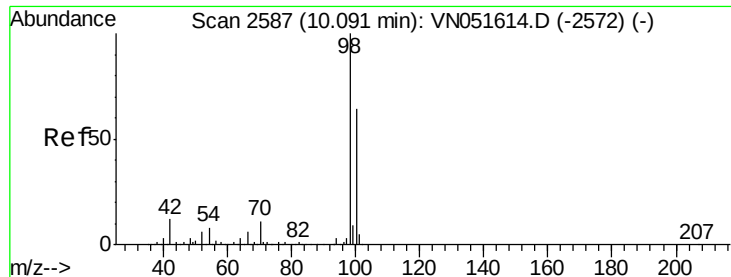
MMDadoda
10/3/2018 5:27:41 PM



#62
Toluene
Concen: 9.400 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.3	67.9





#63

Toluene-d8

Concen: 9.400 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

Tot Ion: 98 Resp: 802358

Ion Ratio Lower Upper

98 100

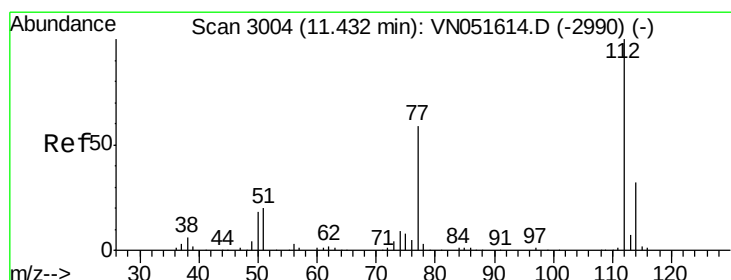
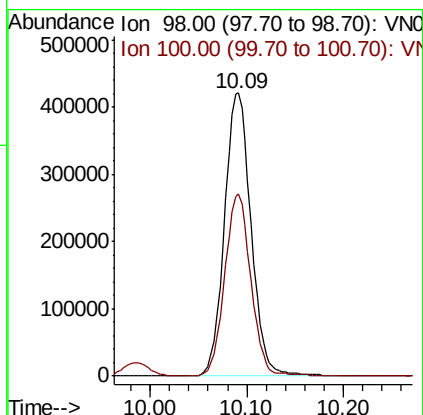
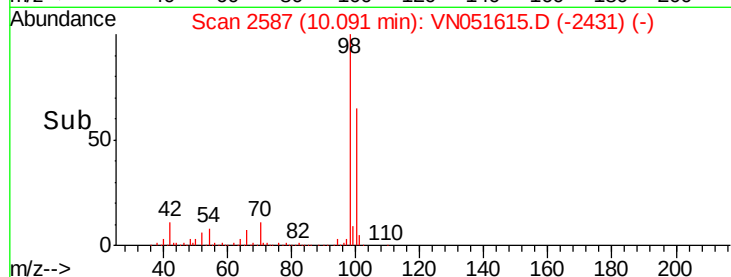
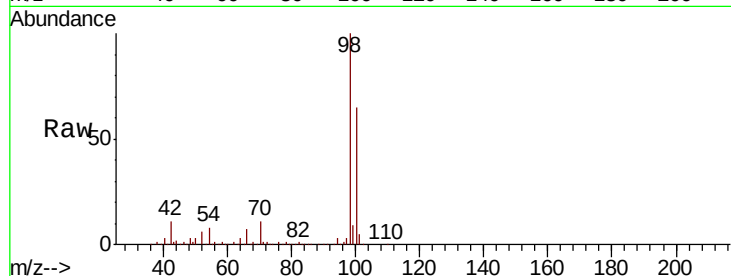
100 63.2 51.4 77.0

Manual Integrations

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#64

Chlorobenzene

Concen: 9.220 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051615.D

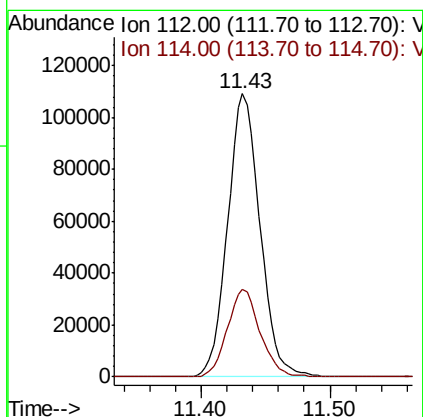
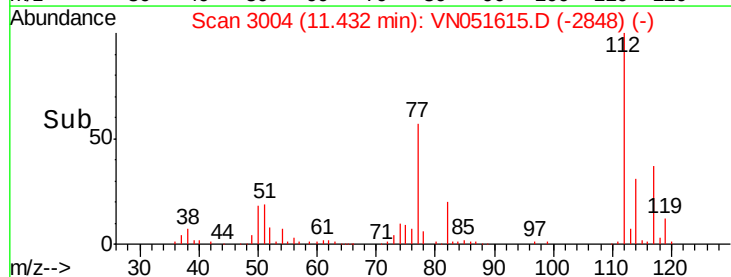
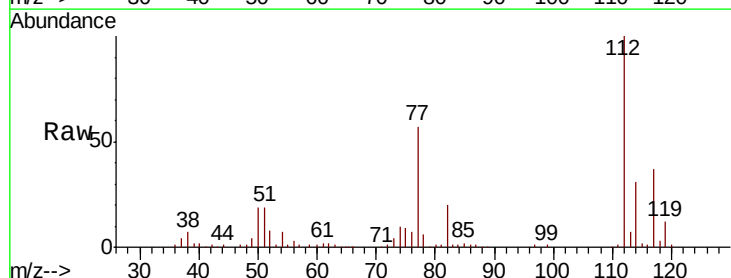
Acq: 28 Sep 2018 13:23

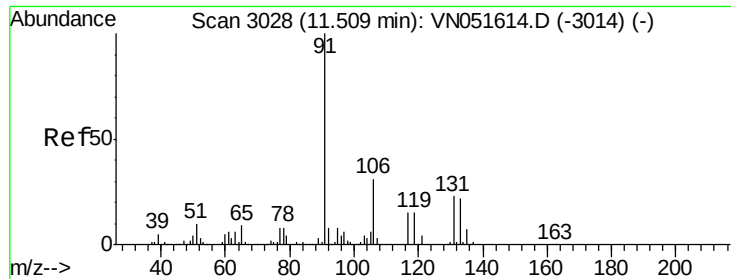
Tgt Ion: 112 Resp: 190397

Ion Ratio Lower Upper

112 100

114 31.1 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 9.242 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

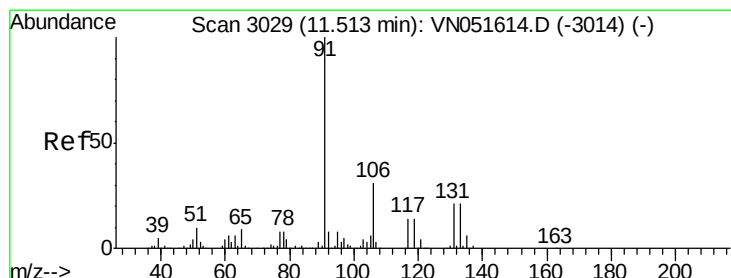
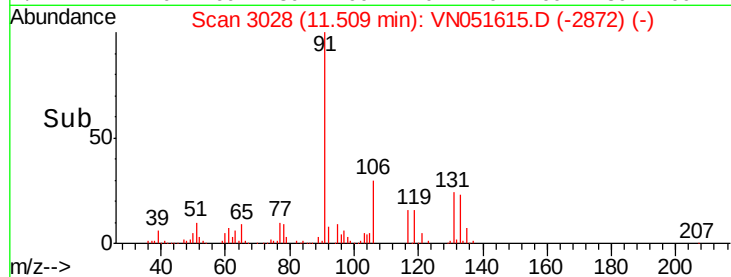
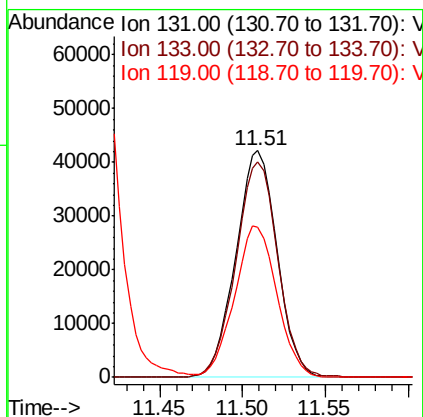
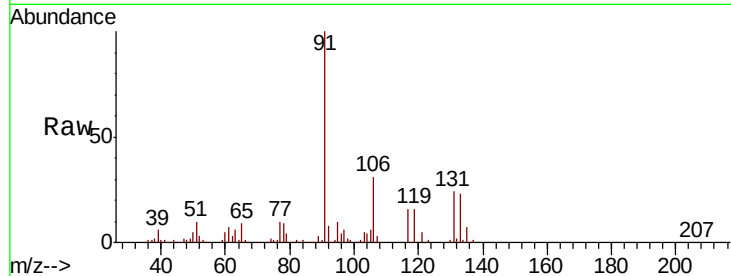
ClientSampled :

VSTDIC010

Tot Ion:	131	Resp:	72873
Ion	Ratio	Lower	Upper
131	100		
133	97.0	0.0	193.0
119	68.4	0.0	135.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 8.738 ug/l

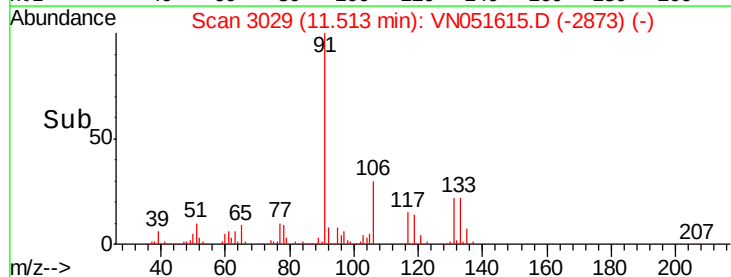
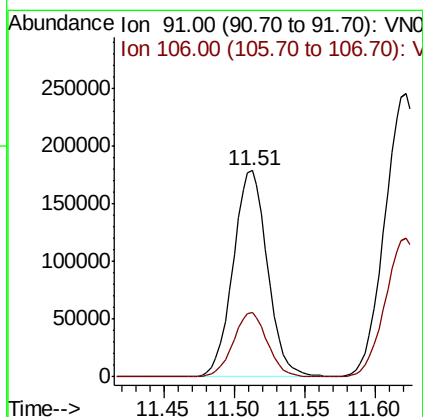
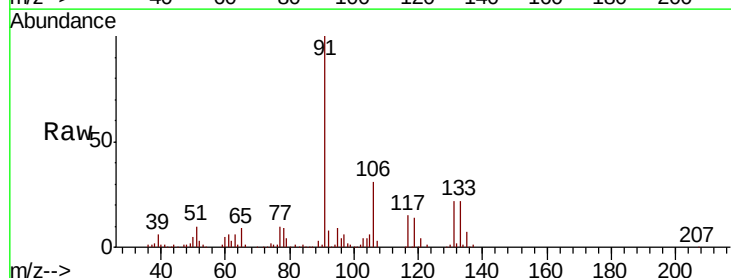
RT: 11.51 min Scan# 3029

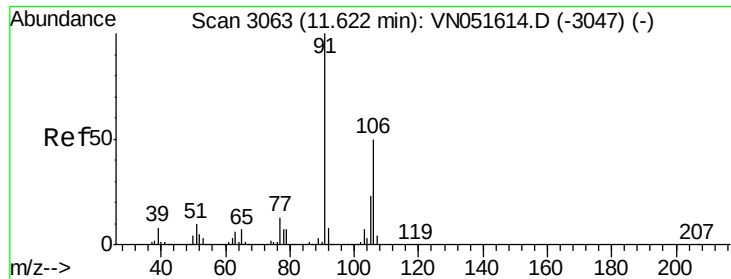
Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Tgt Ion:	91	Resp:	305445
Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.0	37.4





#67

m/p-Xylenes

Concen: 17.413 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

Tot Ion:106 Resp: 234583

Ion Ratio Lower Upper

106 100

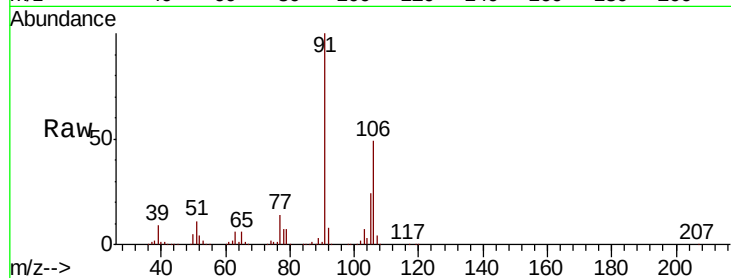
91 203.8 161.5 242.3

Manual Integrations

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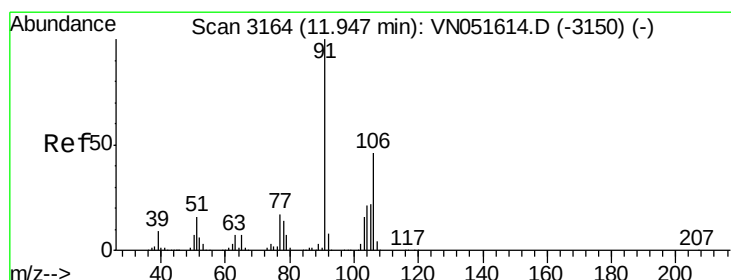
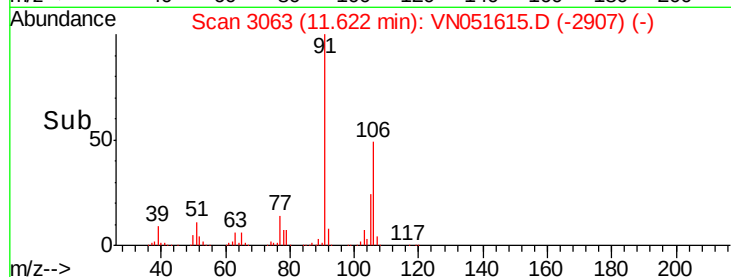
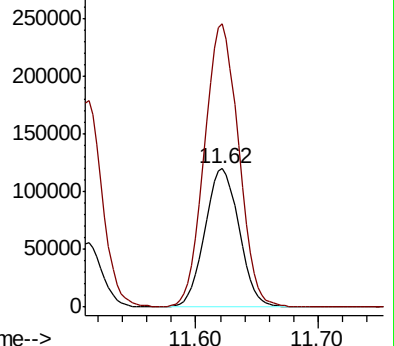
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 8.784 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN051615.D

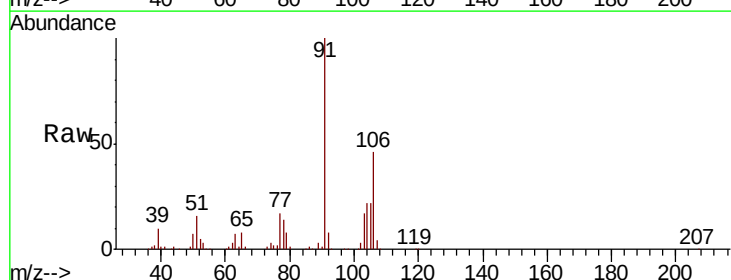
Acq: 28 Sep 2018 13:23

Tgt Ion:106 Resp: 112959

Ion Ratio Lower Upper

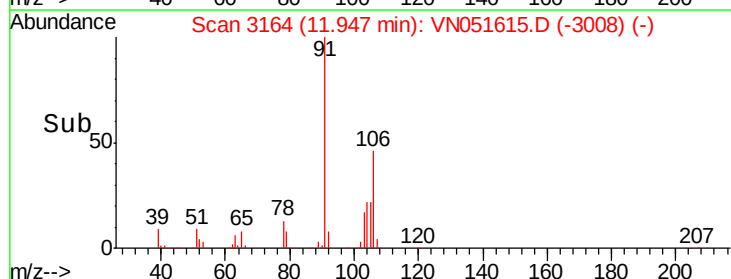
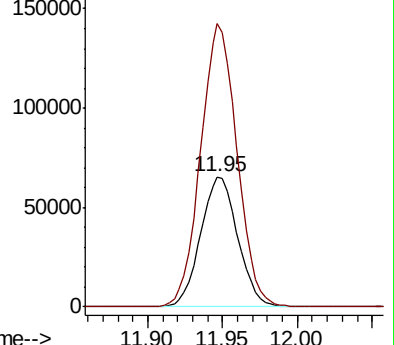
106 100

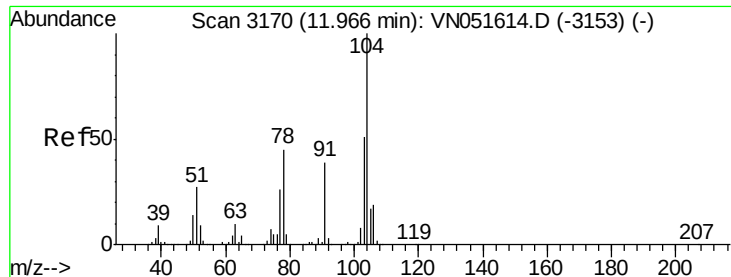
91 213.5 109.7 329.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





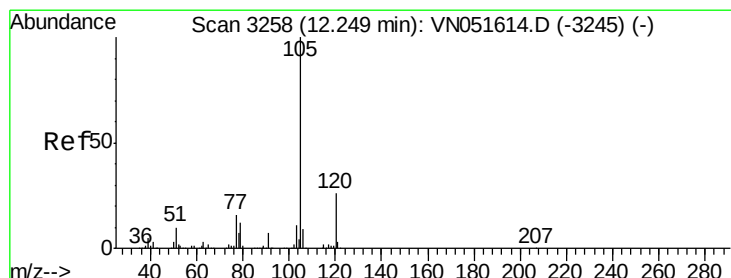
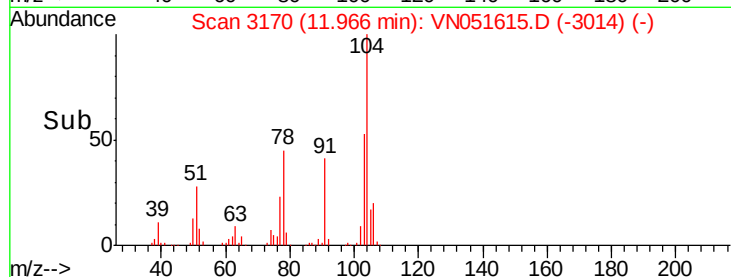
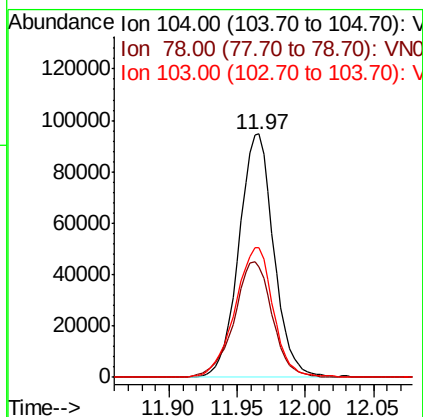
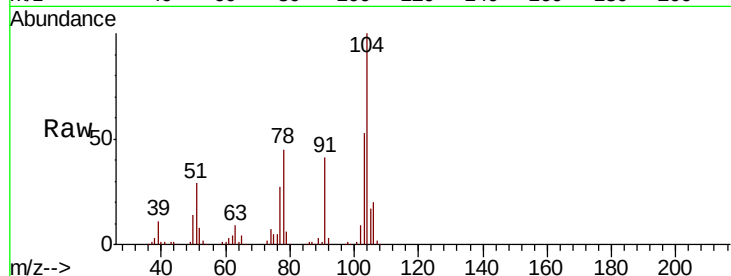
#69
Stvrene
Concen: 8.334 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.3	60.5
103	58.2	45.7	68.5

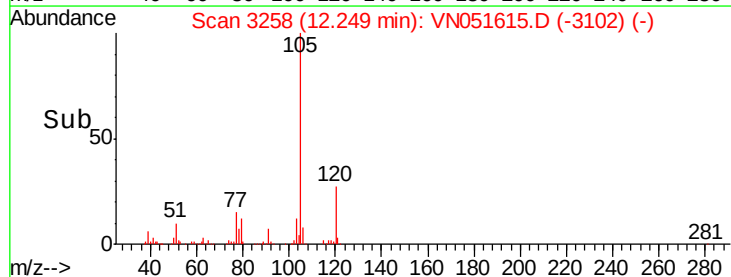
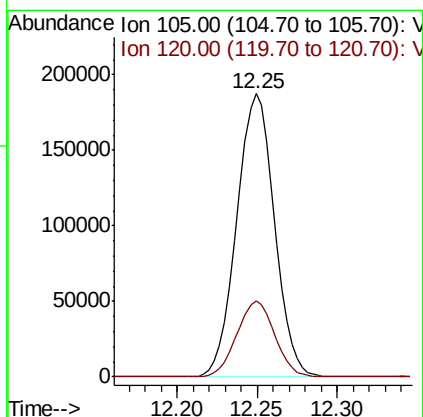
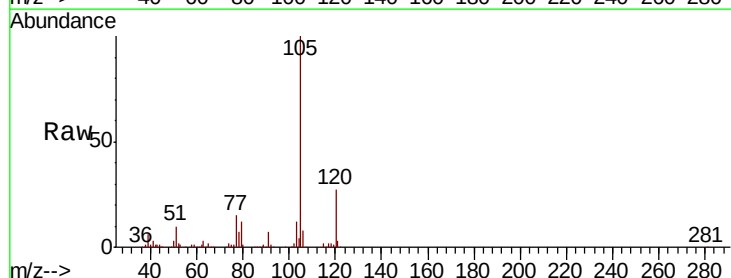
Manual Integrations
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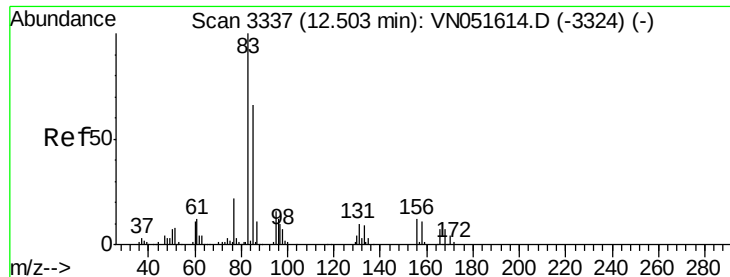
MMDadoda
10/3/2018 5:27:41 PM



#70
Isopropylbenzene
Concen: 8.774 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.7	34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 9.361 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

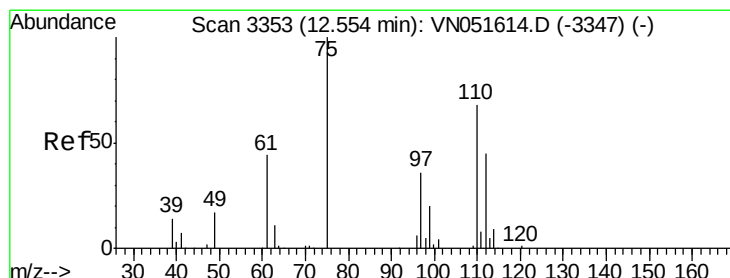
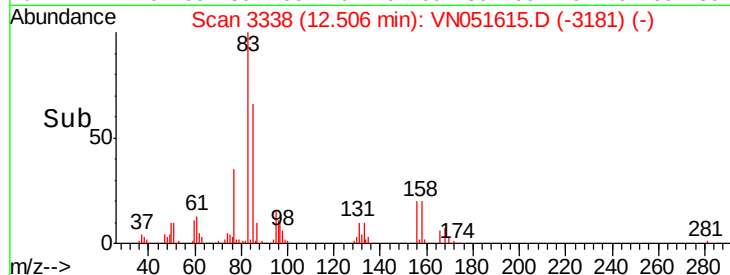
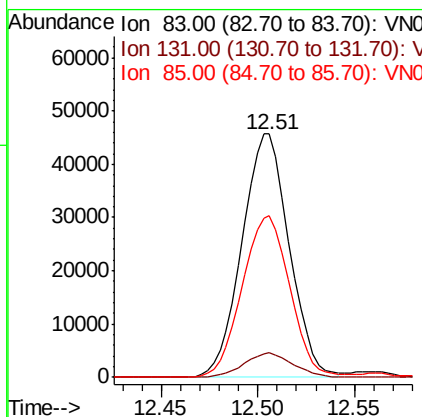
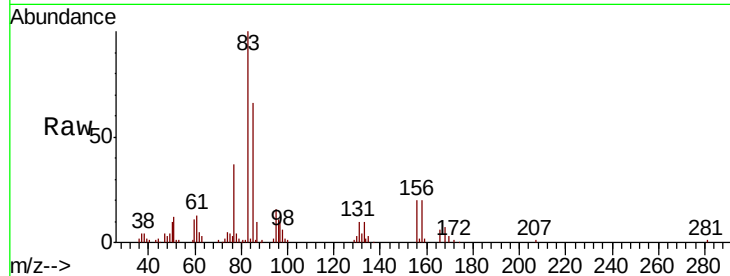
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	77691
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.2	15.6
85	67.0	32.0	96.2

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#72

1,2,3-Trichloropropane

Concen: 9.729 ug/l m

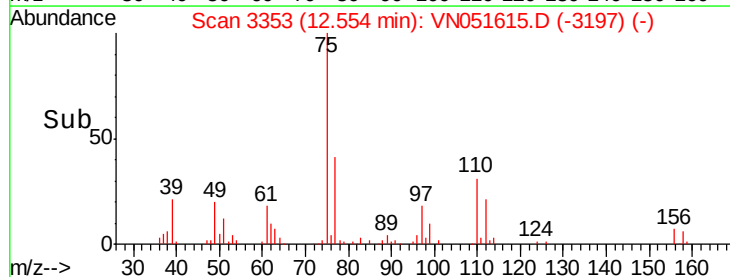
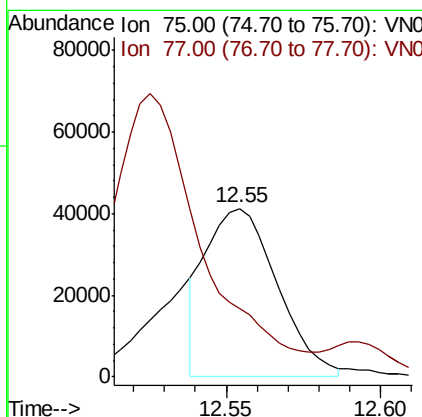
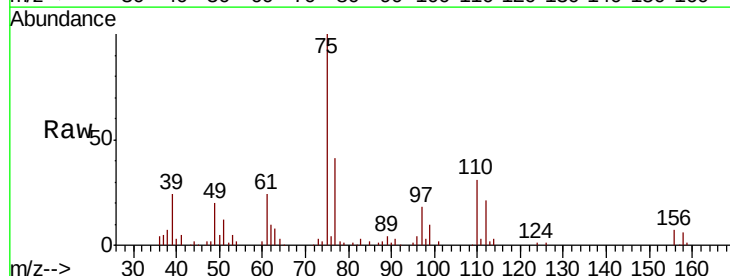
RT: 12.55 min Scan# 3353

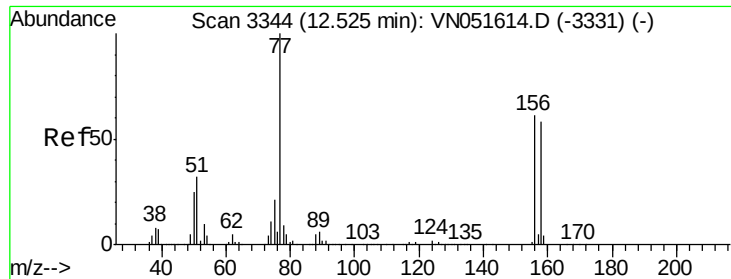
Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Tgt Ion:	75	Resp:	66526
Ion	Ratio	Lower	Upper
75	100		
77	216.1	0.0	492.2





#73

Bromobenzene

Concen: 9.009 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

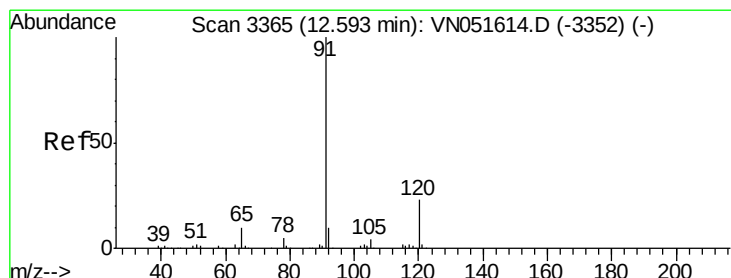
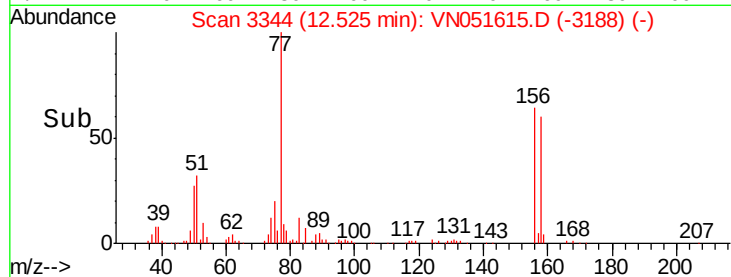
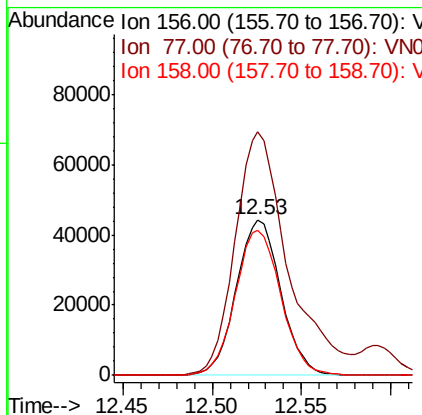
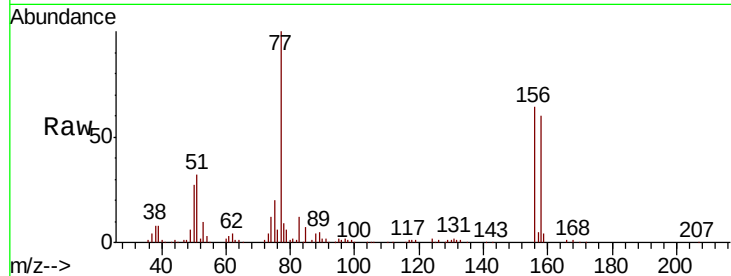
ClientSampled :

VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		76906		
77	187.0	0.0	385.2		
158	95.6	0.0	195.6		

Manual Integrations
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#74

n-propylbenzene

Concen: 8.733 ug/l

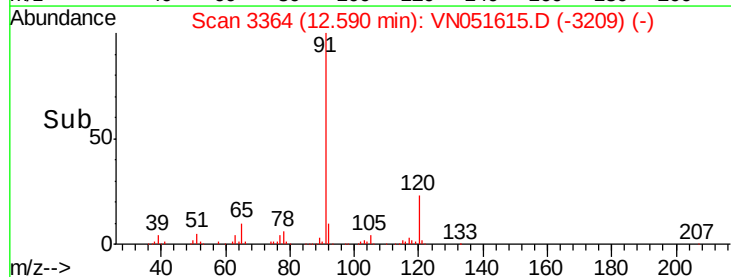
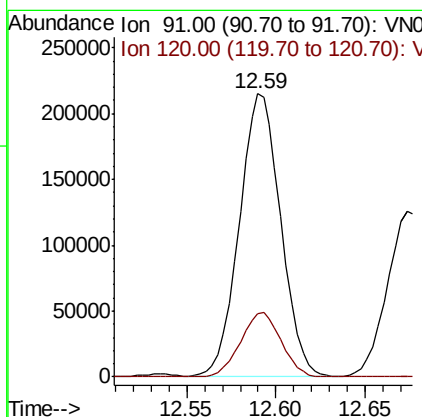
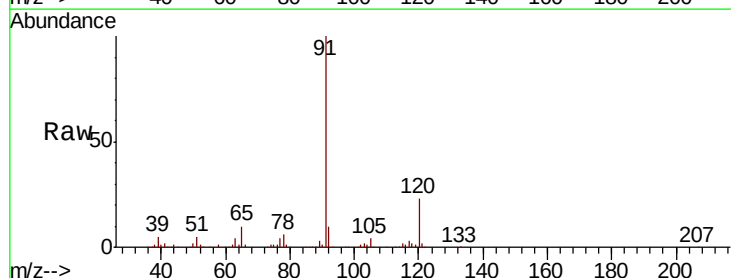
RT: 12.59 min Scan# 3364

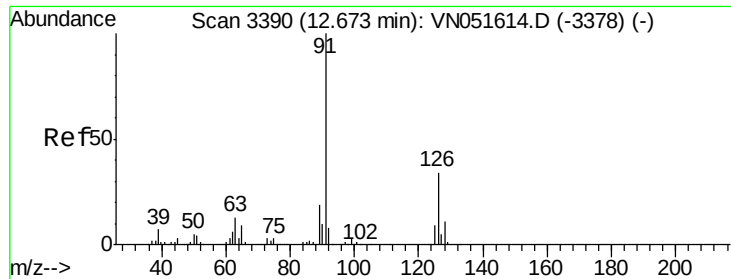
Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		348726		
120	22.4	0.0	45.4		





#75

2-Chlorotoluene

Concen: 8.934 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 213054

Ion Ratio Lower Upper

91 100

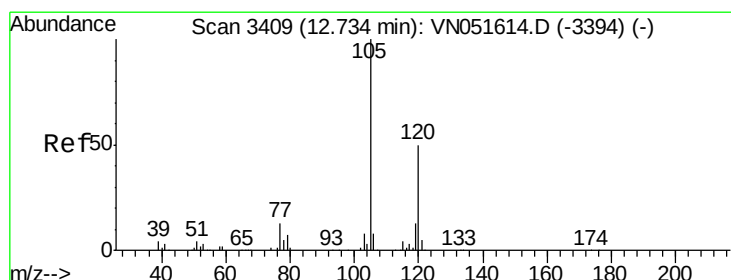
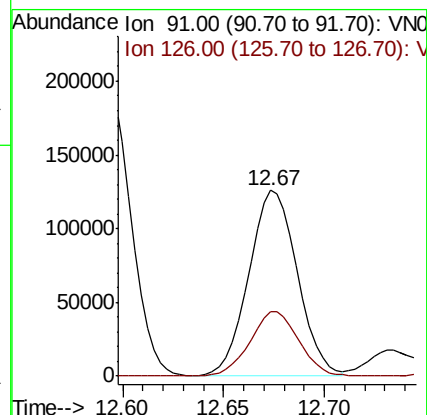
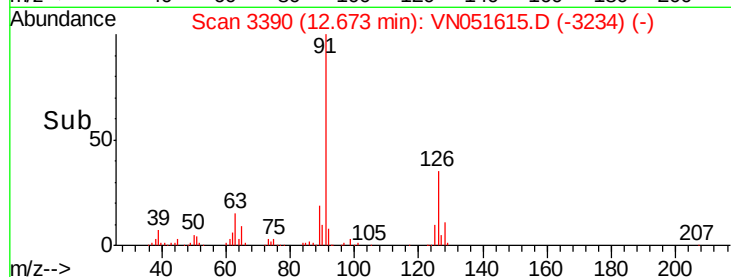
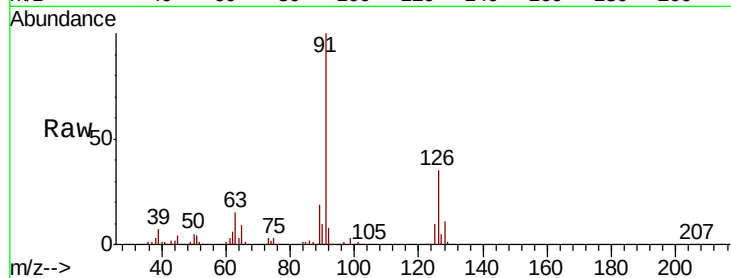
126 34.8 0.0 69.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 8.726 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN051615.D

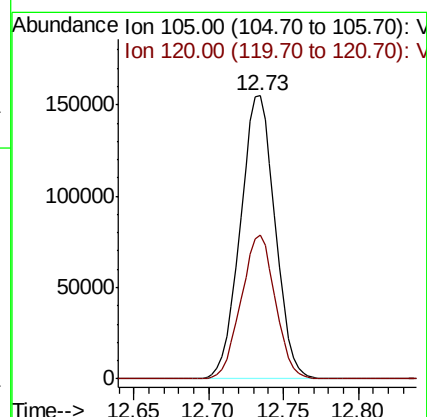
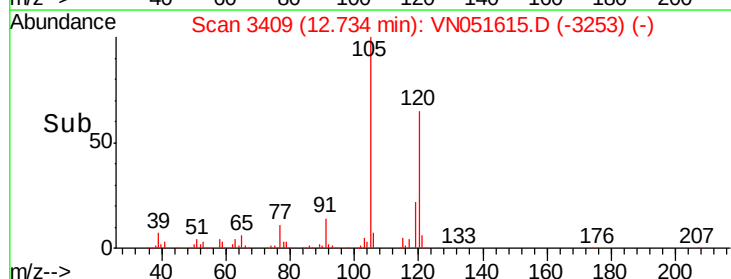
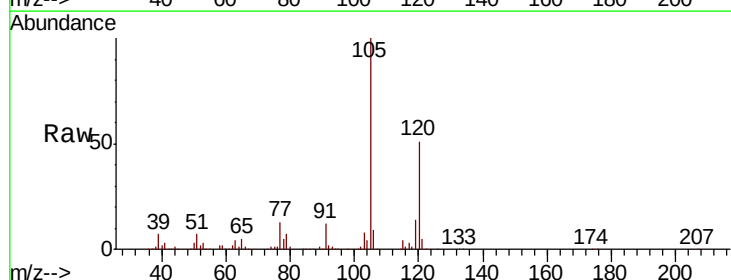
Acq: 28 Sep 2018 13:23

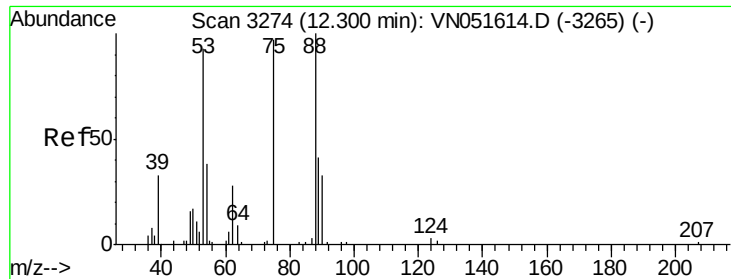
Tgt Ion: 105 Resp: 250105

Ion Ratio Lower Upper

105 100

120 50.0 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 8.203 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

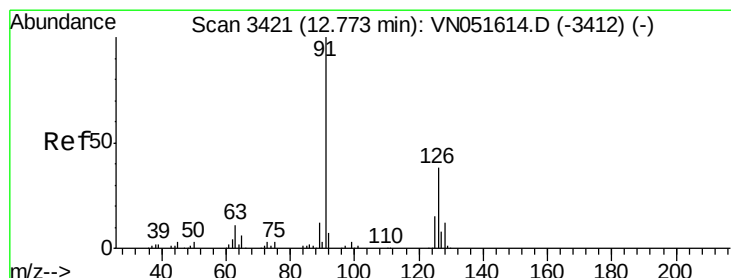
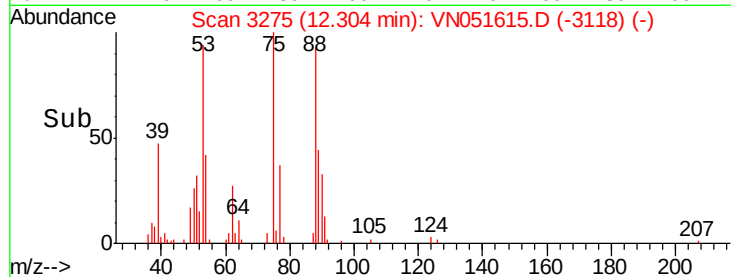
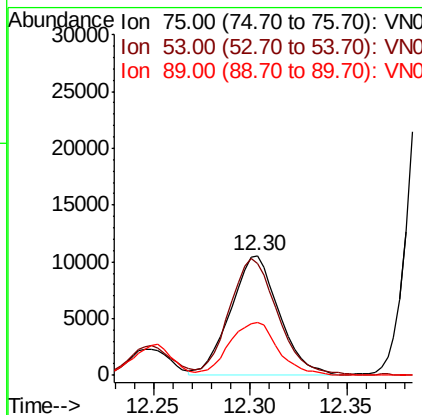
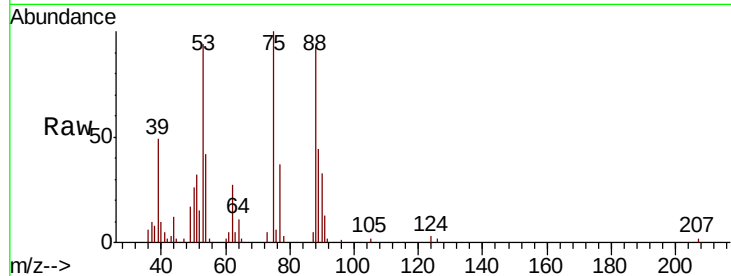
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	18434
Ion	Ratio	Lower	Upper
75	100		
53	91.7	48.1	144.4
89	44.0	22.4	67.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 8.732 ug/l

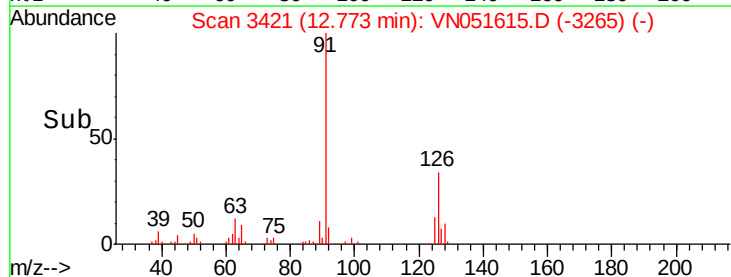
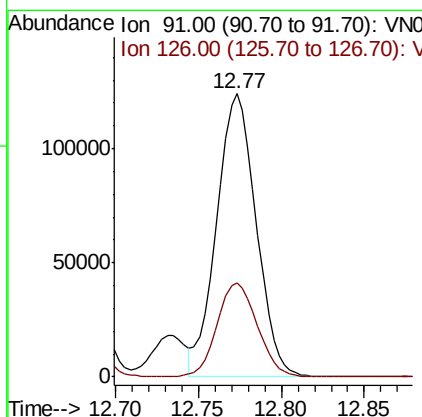
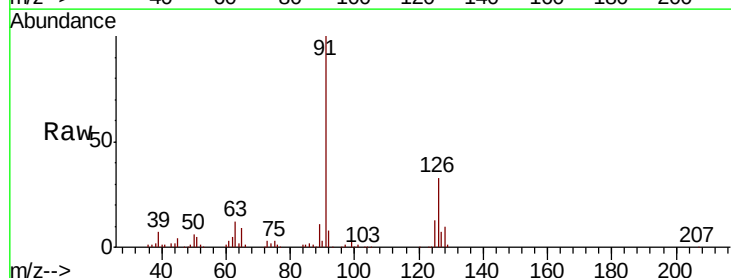
RT: 12.77 min Scan# 3421

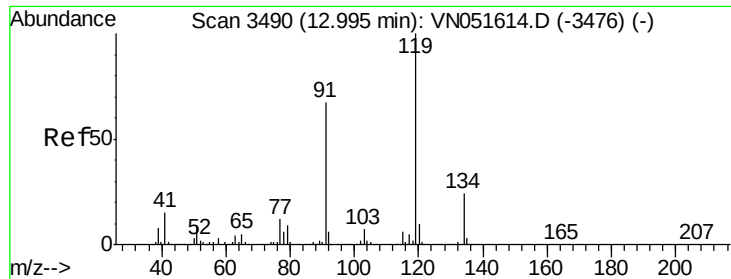
Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Tgt Ion:	91	Resp:	205675
Ion	Ratio	Lower	Upper
91	100		
126	33.7	0.0	68.6





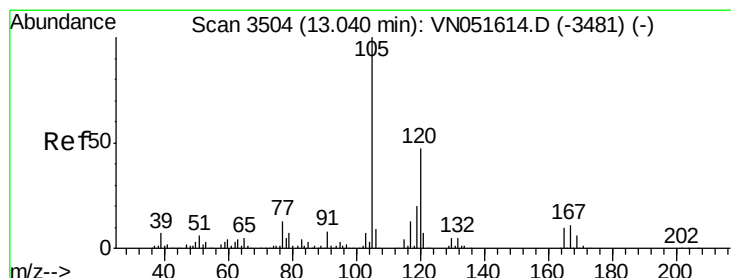
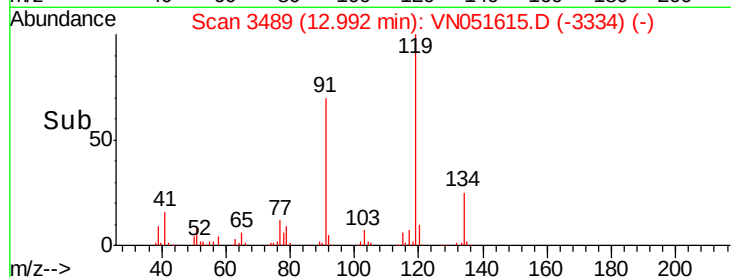
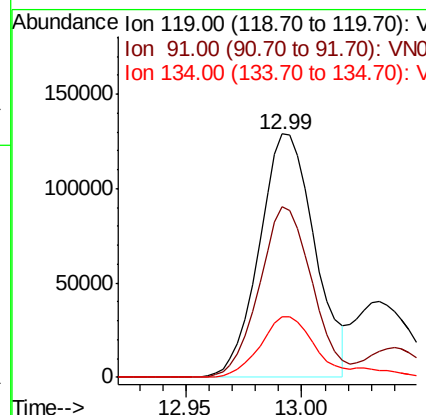
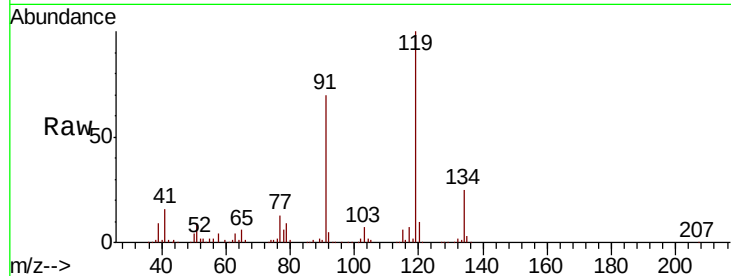
#79
tert-butylbenzene
Concen: 8.623 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	214134		
91	66.8	0.0	132.4	
134	24.3	0.0	48.4	

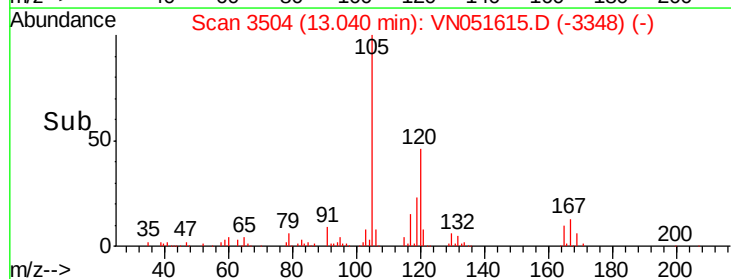
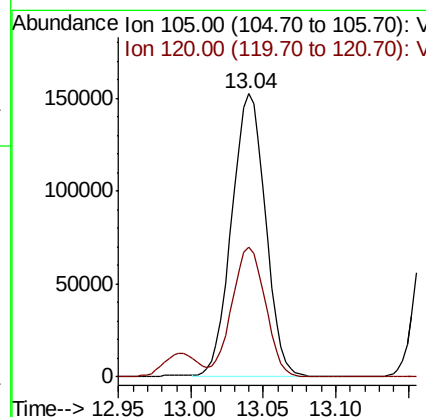
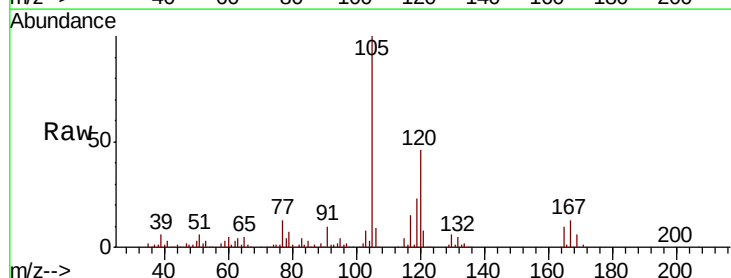
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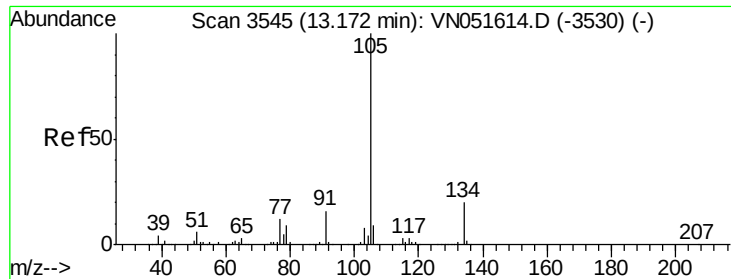
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#80
1,2,4-Trimethylbenzene
Concen: 8.626 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246969		
120	45.6	0.0	91.6	





#81

sec-Butylbenzene

Concen: 8.855 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 303750

Ion Ratio Lower Upper

105 100

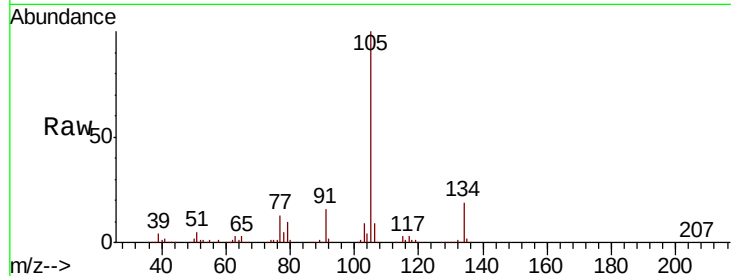
134 19.2 0.0 39.8

Manual Integrations

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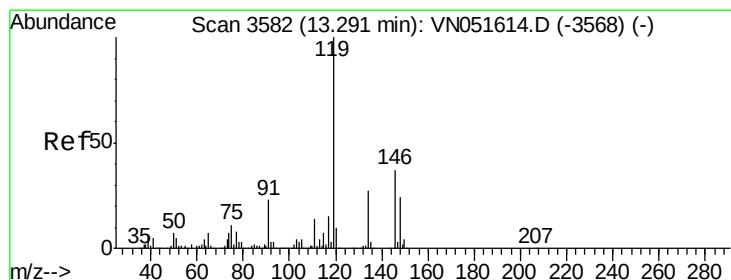
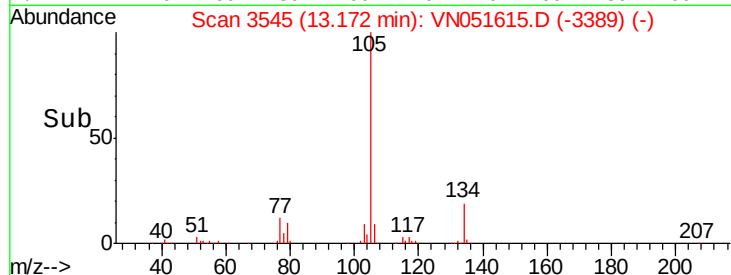
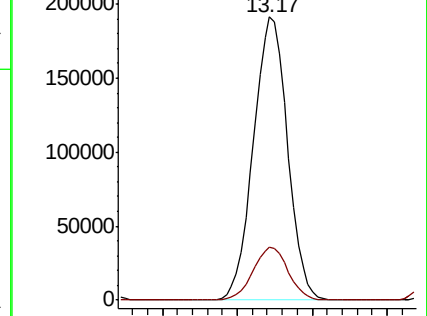
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 8.521 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

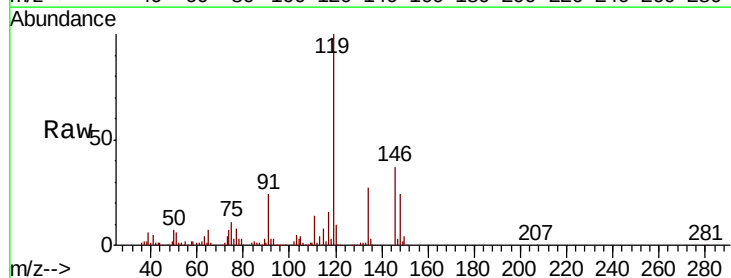
Tgt Ion:119 Resp: 249815

Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.0

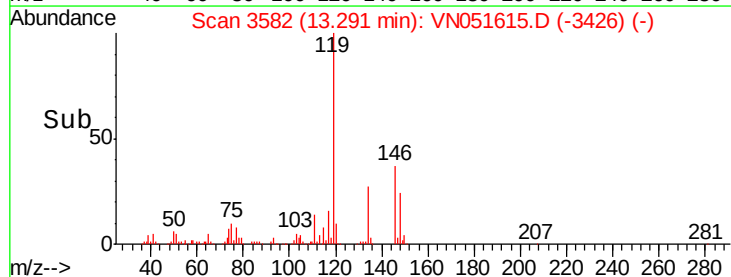
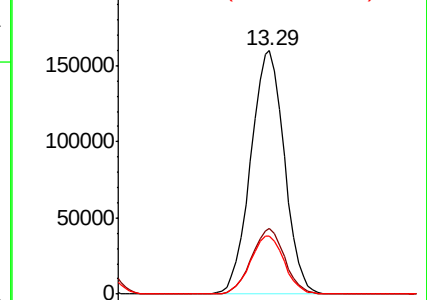
91 24.2 0.0 46.0

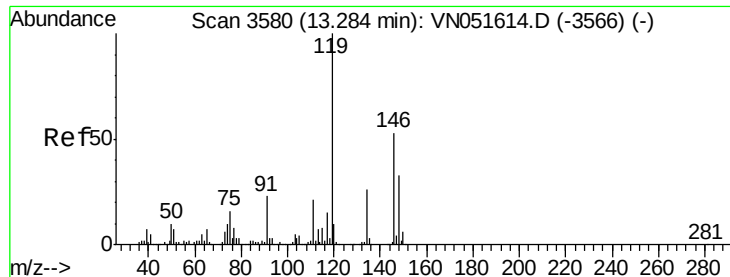


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





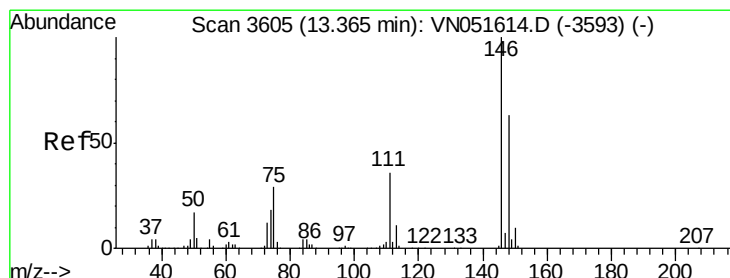
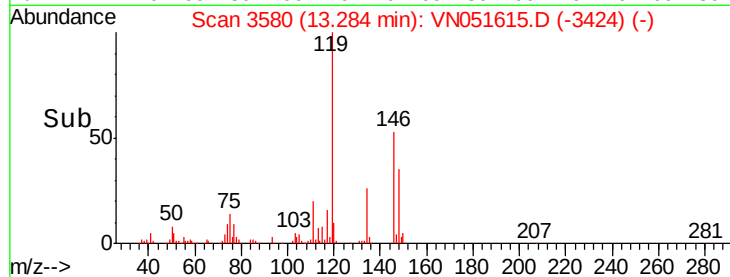
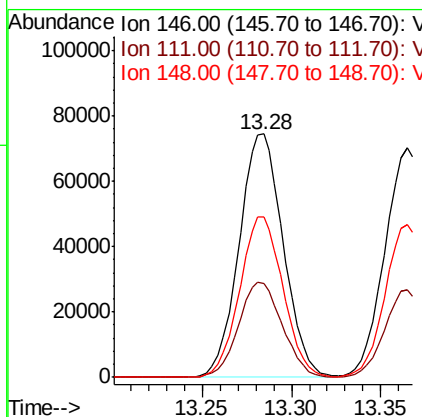
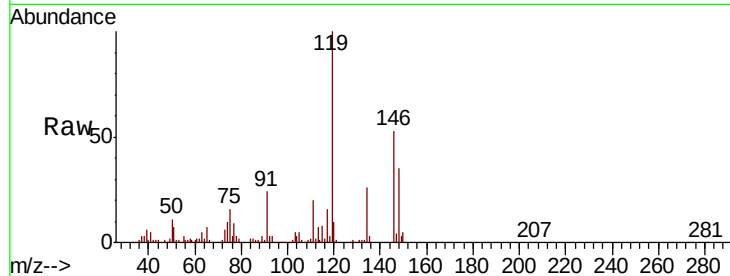
#83
 1,3-Dichlorobenzene
 Concen: 8.653 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.6
148	64.7	32.4	97.2

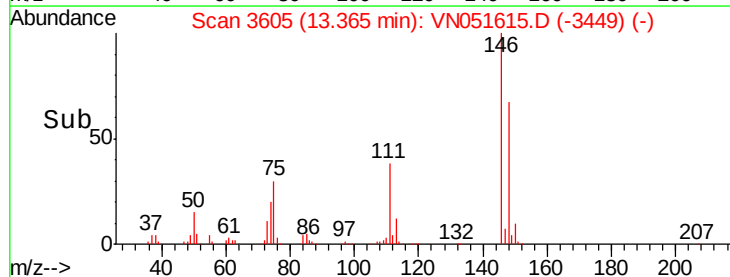
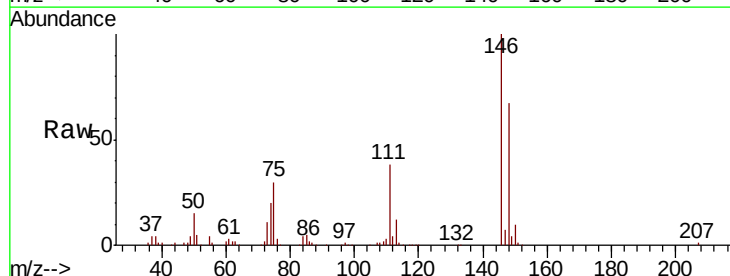
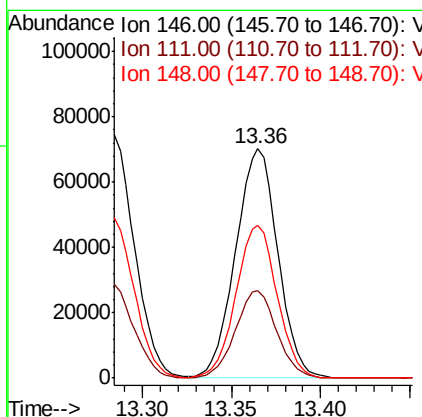
Manual Integrations
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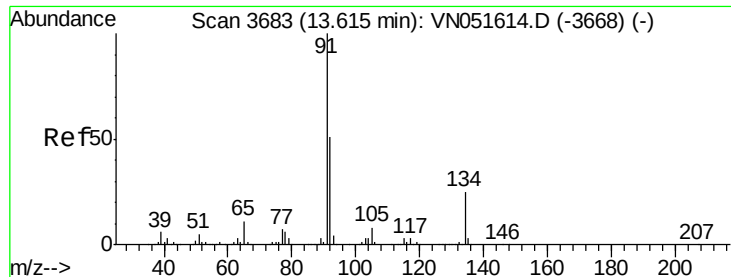
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#84
 1,4-Dichlorobenzene
 Concen: 8.328 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.8	32.1	96.5





#85

n-Butylbenzene

Concen: 7.913 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

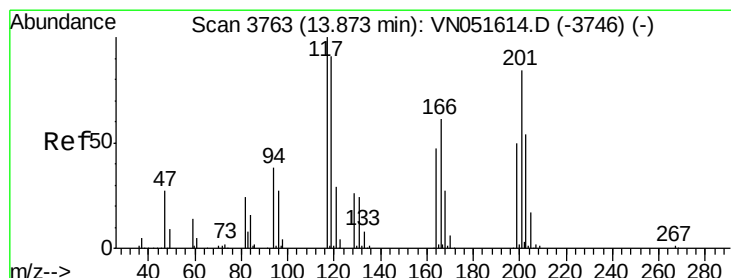
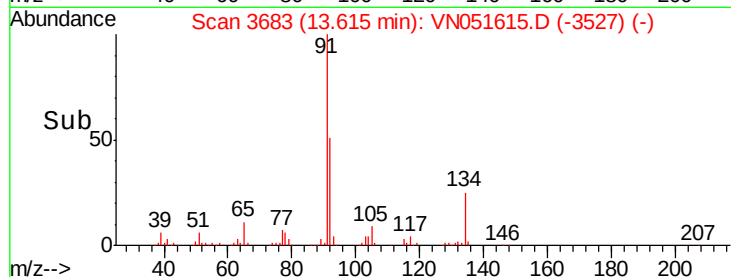
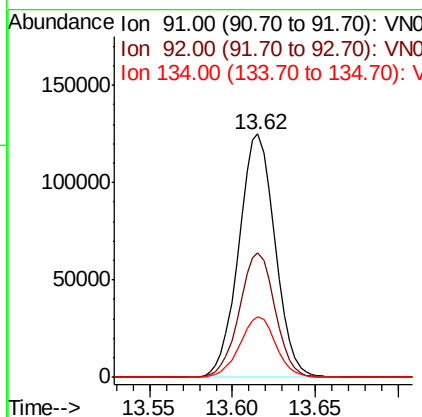
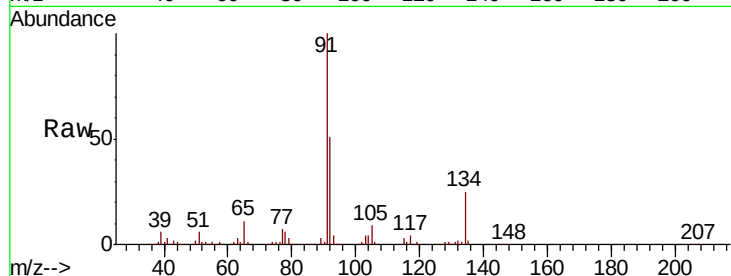
ClientSampleId :

VSTDIC010

Tot Ion:	91	Resp:	190414
Ion	Ratio	Lower	Upper
91	100		
92	50.4	0.0	101.6
134	24.7	0.0	50.6

Manual Integrations
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#86

Hexachloroethane

Concen: 9.071 ug/l

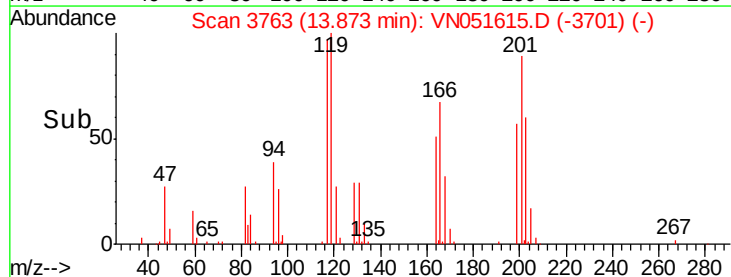
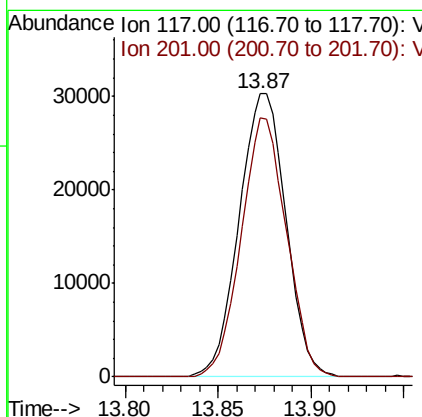
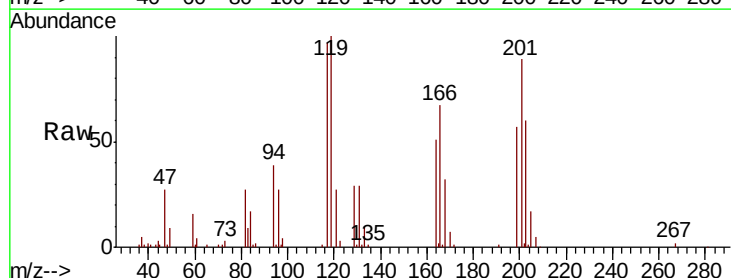
RT: 13.87 min Scan# 3763

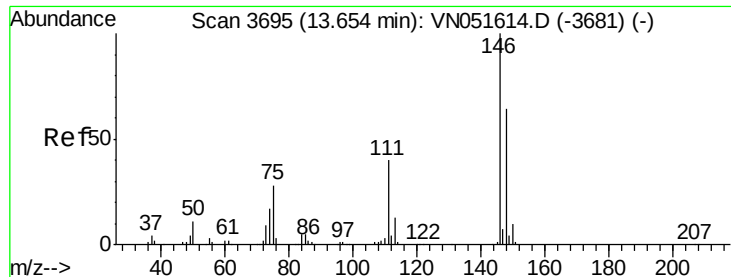
Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Tgt Ion:	117	Resp:	53191
Ion	Ratio	Lower	Upper
117	100		
201	88.2	42.9	128.5





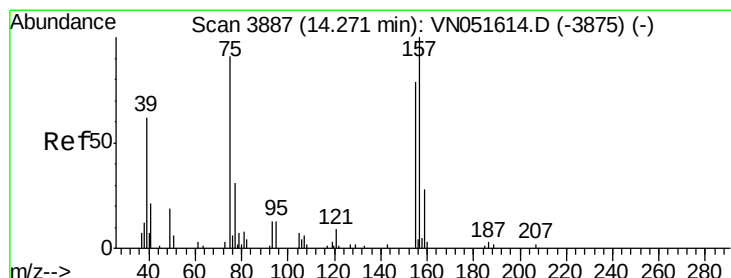
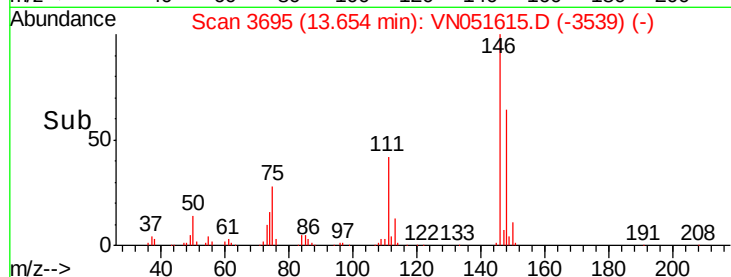
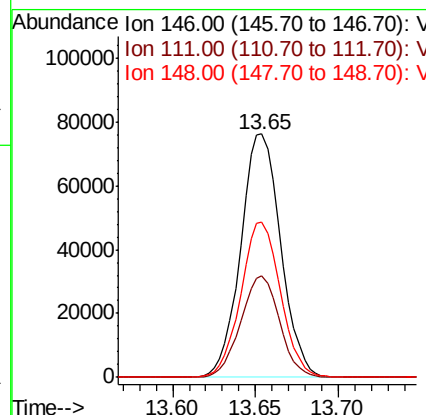
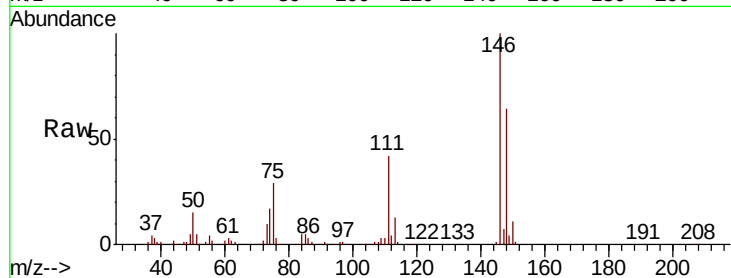
#87
 1,2-Dichlorobenzene
 Concen: 8.798 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.3
148	63.3	32.1	96.5

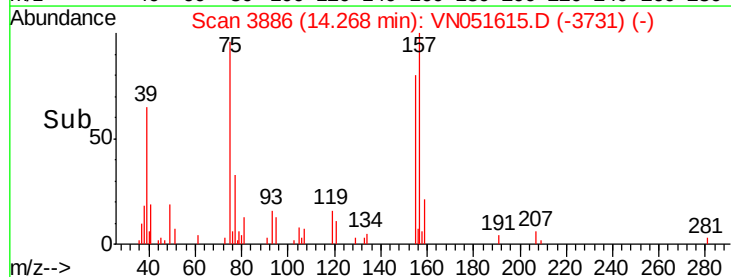
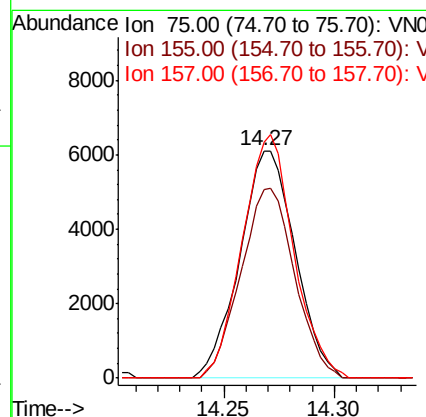
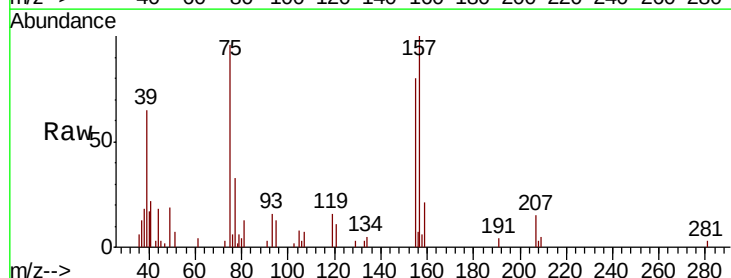
Manual Integrations
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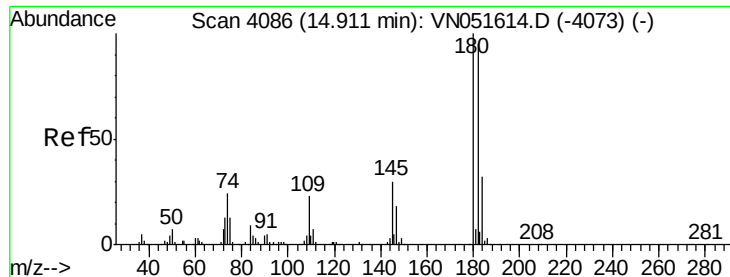
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 8.805 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	67.1	100.7
157	99.5	85.8	128.6





#89

1,2,4-Trichlorobenzene

Concen: 6.147 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

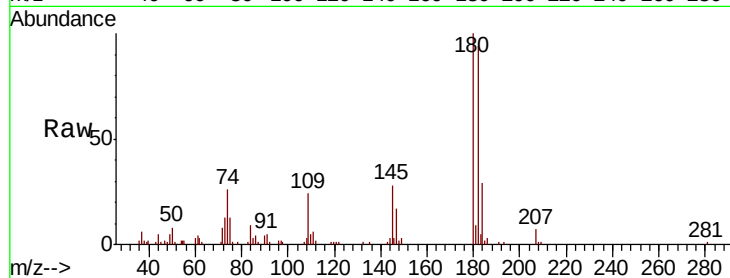
ClientSampleId :

VSTDIC010

Tot Ion:	180	Resp:	41867
Ion Ratio	Lower	Upper	
180	100		
182	92.3	75.2	112.8
145	27.7	22.9	34.3

Manual Integrations
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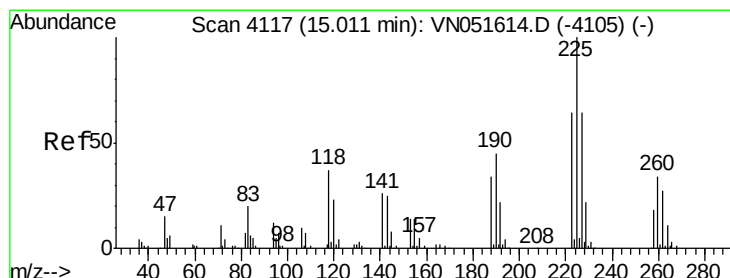
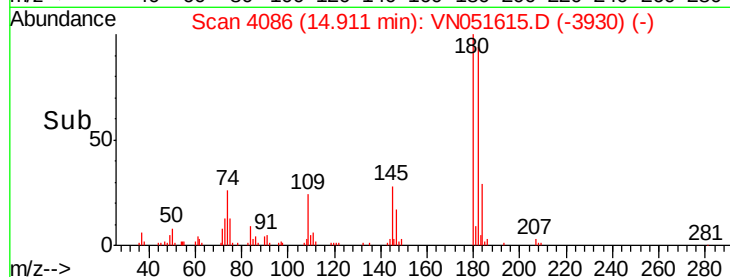
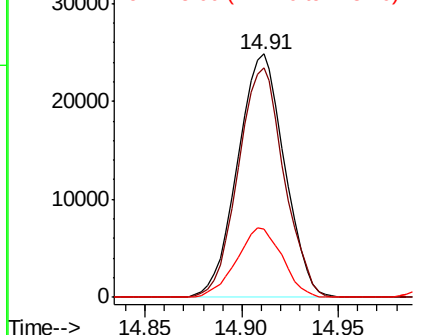


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 10.136 ug/l

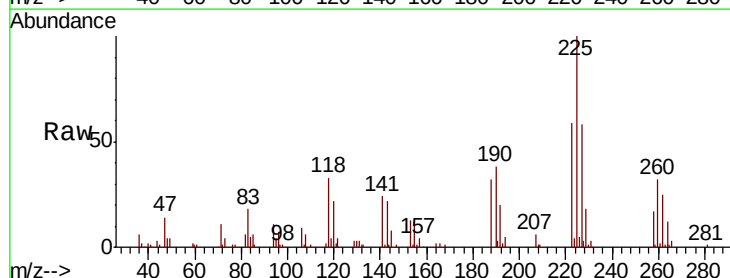
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Tgt Ion:	225	Resp:	56282
Ion Ratio	Lower	Upper	
225	100		
223	62.7	0.0	131.0
227	61.7	0.0	129.0

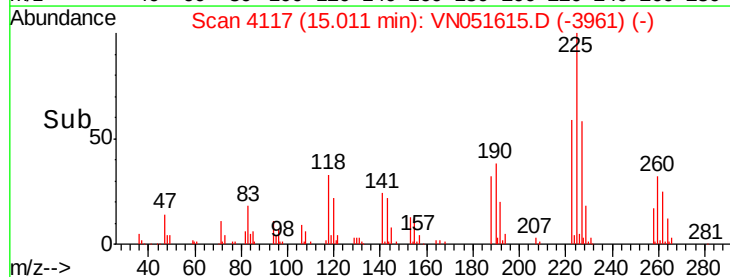
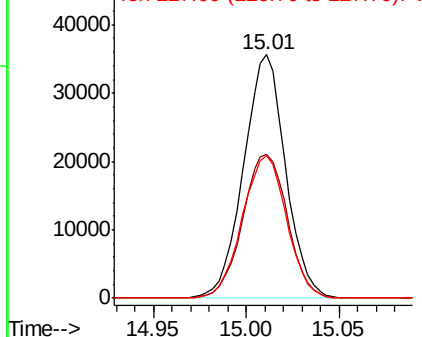


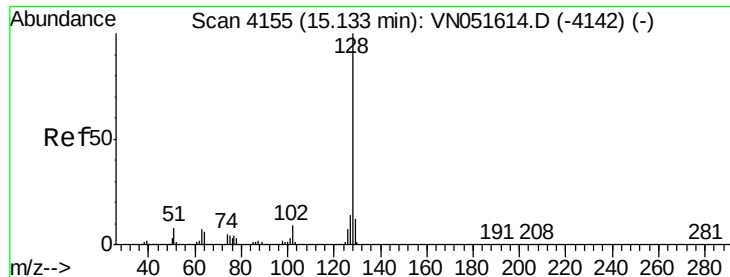
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 5.275 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

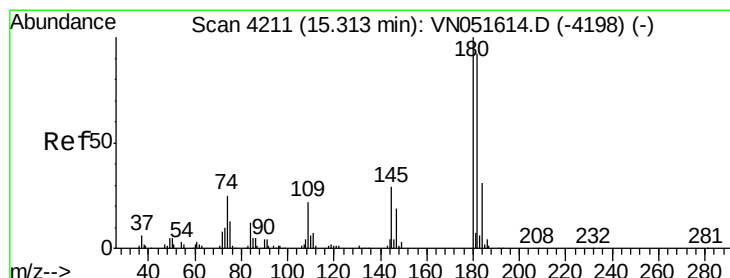
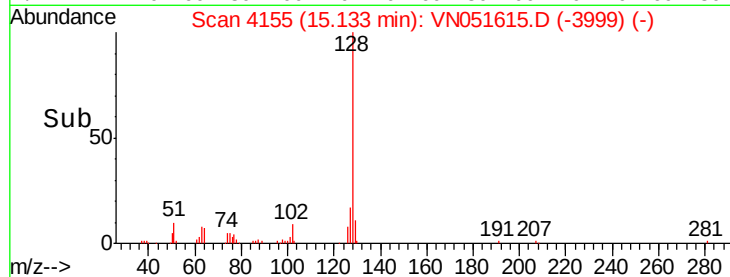
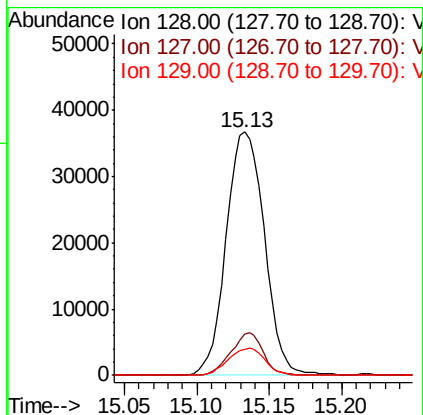
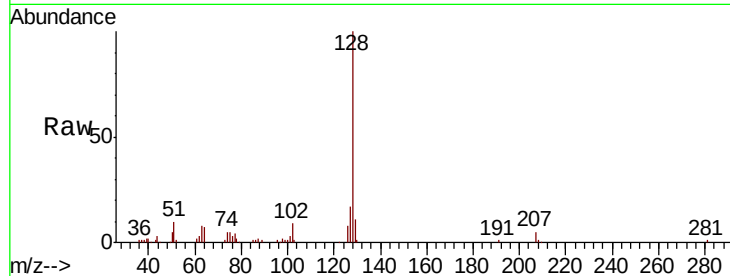
ClientSampled :

VSTDIC010

Tot Ion:	128	Resp:	67474
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.8	16.2
129	10.5	9.1	13.7

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 6.745 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Tgt Ion:	180	Resp:	46199
Ion Ratio	Lower	Upper	
180	100		
182	96.9	0.0	191.8
145	30.8	0.0	60.4

