

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051624.D
 Acq On : 28 Sep 2018 19:12
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:47 PM

Quant Time: Sep 29 05:38:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70284	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	384236	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	335303	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	151662	30.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.30%
60) 4-Bromofluorobenzene	12.40	95	147797	28.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.57%
63) Toluene-d8	10.09	98	458930	29.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	152612	24.742	ug/l 98
3) Chloromethane	2.06	50	169696	24.585	ug/l 98
4) Vinyl Chloride	2.18	62	165169	24.393	ug/l 97
5) Bromomethane	2.57	94	94901	26.982	ug/l 96
6) Chloroethane	2.70	64	87274	25.692	ug/l 94
7) Trichlorofluoromethane	3.01	101	220021	26.595	ug/l 100
8) Diethyl Ether	3.41	74	45391	17.468	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	89140	19.062	ug/l 95
10) 1,1-Dichloroethene	3.74	96	79667	18.772	ug/l 95
11) Methyl Iodide	3.96	142	107901	19.752	ug/l 98
12) Methyl Acetate	4.33	43	56487	15.082	ug/l 92
13) Acrolein	3.61	56	29153	70.453	ug/l 93
14) Acrylonitrile	5.00	53	117982	78.656	ug/l 97
15) Acetone	3.82	58	28090	71.424	ug/l 98
16) Carbon Disulfide	4.06	76	227060	16.603	ug/l 99
17) Allyl chloride	4.33	41	113843	14.996	ug/l 88
18) Methylene Chloride	4.56	84	89561	18.356	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	81640	18.122	ug/l 97
20) Diisopropyl ether	5.96	45	238018	15.804	ug/l # 96
21) 1,1-Dichloroethane	5.85	63	155351	17.405	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	91344	18.566	ug/l 95
23) tert-Butyl Alcohol	4.79	59	25652	89.405	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	212684	19.069	ug/l 99
25) Chloroform	7.37	83	165589	19.402	ug/l 94
26) Cyclohexane	7.66	56	125046	16.189	ug/l # 87
29) 1,1-Dichloropropene	7.80	75	118237	18.046	ug/l 99
30) 2-Butanone	6.84	43	131682	73.845	ug/l 95
31) 2,2-Dichloropropane	6.83	77	133563	18.888	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	153779	20.889	ug/l 98
33) Carbon Tetrachloride	7.78	117	139202	21.038	ug/l 99
34) Benzene	8.04	78	349092	17.959	ug/l 98
35) Methacrylonitrile	7.17	41	20949	10.449	ug/l 86
36) 1,2-Dichloroethane	8.13	62	122604	19.787	ug/l 99
37) Trichloroethene	8.84	130	101961	20.430	ug/l 92
38) Methylcyclohexane	9.08	83	131017	17.329	ug/l 95
39) 1,2-Dichloropropane	9.12	63	90516	16.994	ug/l 98
40) Dibromomethane	9.21	93	54769	18.510	ug/l 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	126333	19.560	ug/l	98
42) Vinyl Acetate	5.90	43	772760	77.841	ug/l	96
43) Ethyl Acetate	6.94	43	59675	15.810	ug/l	98
44) Isopropyl Acetate	8.17	43	114141	15.444	ug/l	99
45) 1,4-Dioxane	9.20	88	15497	387.626	ug/l	93
46) Methyl methacrylate	9.20	41	55164	16.045	ug/l	87
47) n-amyl Acetate	12.07	43	84395	15.262	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	114024	17.689	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	134737	17.878	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	77441	18.520	ug/l	98
51) Ethyl methacrylate	10.43	69	86761	17.102	ug/l	99
52) 1,3-Dichloropropane	10.71	76	129248	18.028	ug/l	98
53) Dibromochloromethane	10.90	129	96595	20.283	ug/l	99
54) 1,2-Dibromoethane	11.01	107	75817	18.897	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	207372	82.698	ug/l	96
56) Bromoform	12.13	173	66029	20.895	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	307500	80.774	ug/l	97
59) 2-Hexanone	10.75	43	192838	76.998	ug/l	96
61) Tetrachloroethene	10.63	164	97425	20.523	ug/l	94
62) Toluene	10.16	91	383574	18.656	ug/l	100
64) Chlorobenzene	11.43	112	240870	19.377	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	100764	21.228	ug/l	96
66) Ethyl Benzene	11.51	91	392798	18.667	ug/l	99
67) m/p-Xylenes	11.62	106	317535	39.155	ug/l	99
68) o-Xylene	11.95	106	150698	19.466	ug/l	97
69) Styrene	11.96	104	233300	19.200	ug/l	99
70) Isopropylbenzene	12.25	105	406224	19.672	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	90328	18.080	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	77881m	18.233	ug/l	
73) Bromobenzene	12.53	156	103655	20.170	ug/l	89
74) n-propylbenzene	12.59	91	441004	18.345	ug/l	97
75) 2-Chlorotoluene	12.68	91	273899	19.080	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	343723	19.920	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	21821	16.130	ug/l	96
78) 4-Chlorotoluene	12.77	91	263181	18.560	ug/l	98
79) tert-butylbenzene	12.99	119	311207	20.818	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	344544	19.991	ug/l	100
81) sec-Butylbenzene	13.17	105	399264	19.335	ug/l	98
82) p-Isopropyltoluene	13.29	119	347816	19.707	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	180222	20.126	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	164736	19.571	ug/l	99
85) n-Butylbenzene	13.62	91	253277	17.483	ug/l	98
86) Hexachloroethane	13.88	117	67872	19.227	ug/l	86
87) 1,2-Dichlorobenzene	13.65	146	179596	20.502	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16372	22.484	ug/l	87
89) 1,2,4-Trichlorobenzene	14.91	180	100185	24.435	ug/l	100
90) Hexachlorobutadiene	15.01	225	92708	27.736	ug/l	99
91) Naphthalene	15.13	128	168834	22.287	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	101255	24.555	ug/l	99

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VSTDCCC020EC

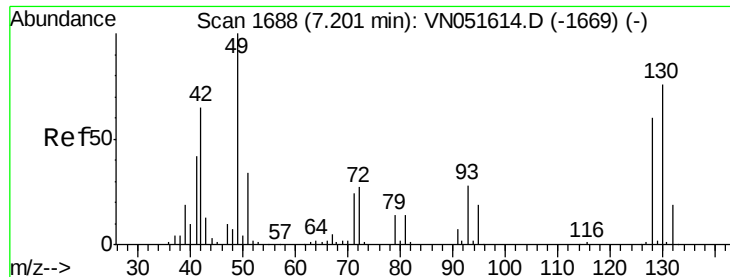
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

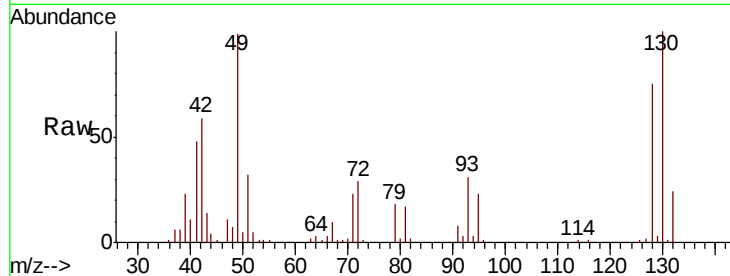
ClientSampleId :

VSTDCCC020EC

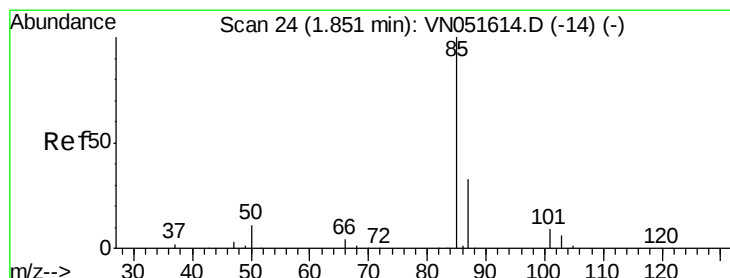
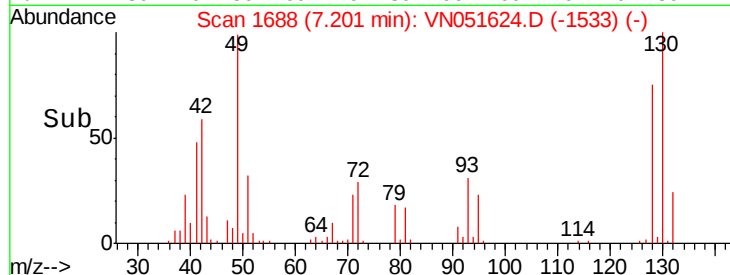
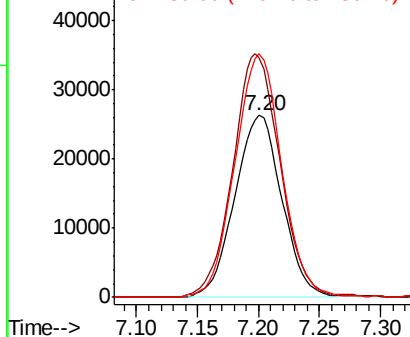
Tot Ion:	128	Resp:	70284
Ion	Ratio	Lower	Upper
128	100		
49	134.5	0.0	426.8
130	133.2	0.0	326.3

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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: 24.742 ug/l

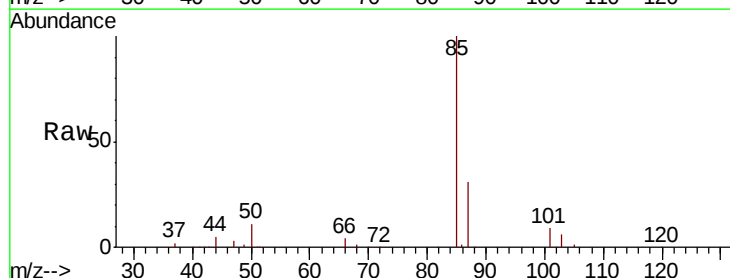
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

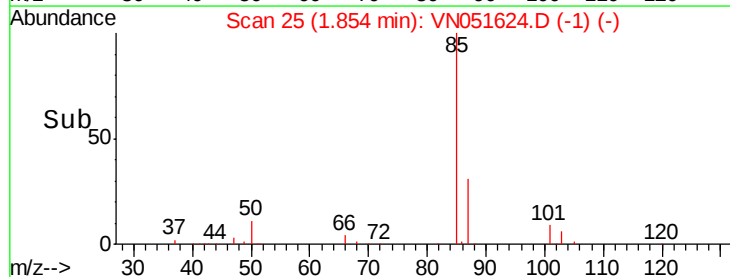
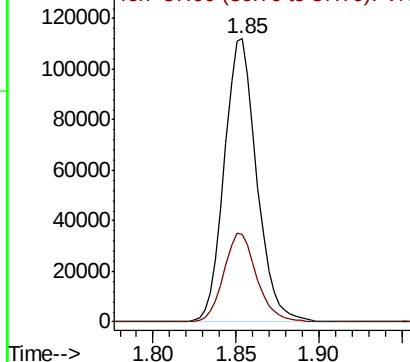
Lab File: VN051624.D

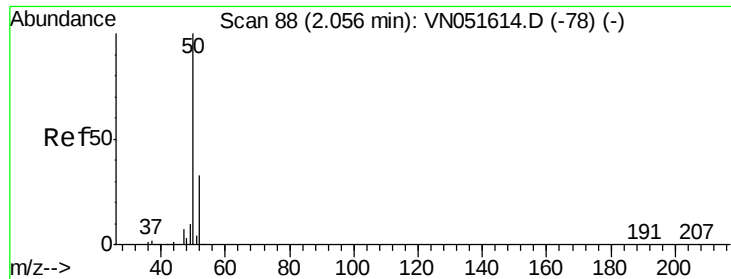
Acq: 28 Sep 2018 19:12

Tgt Ion:	85	Resp:	152612
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: 24.585 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 169696

Ion Ratio Lower Upper

50 100

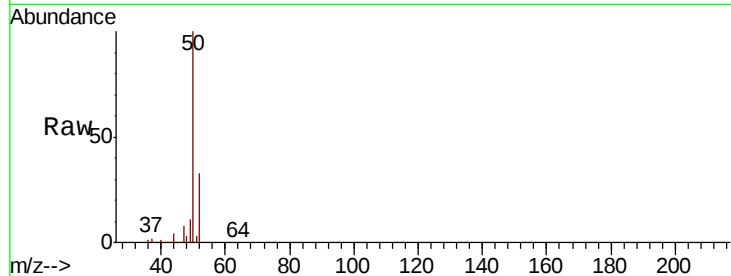
52 33.4 26.0 39.0

Manual Integrations

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10/3/2018 5:27:47 PM



Abundance Ion 50.00 (49.70 to 50.70): VN051614.D (-78) (-)

Ion 52.00 (51.70 to 52.70): VN051614.D (-78) (-)

2.06

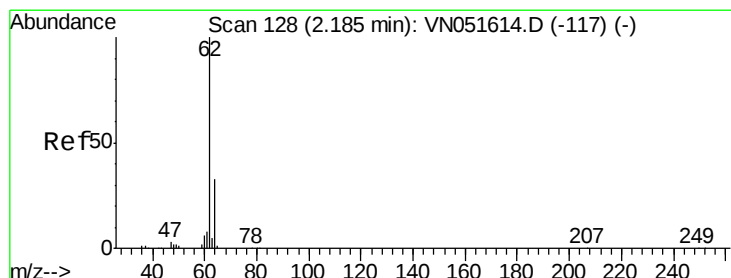
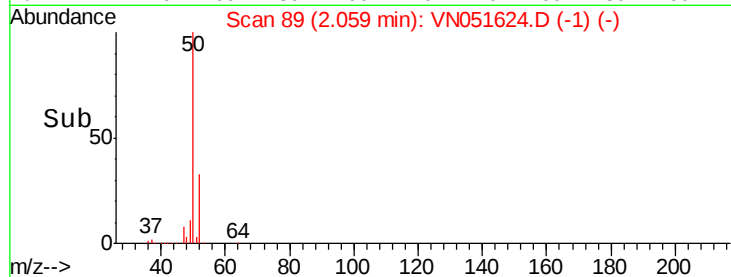
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 24.393 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051624.D

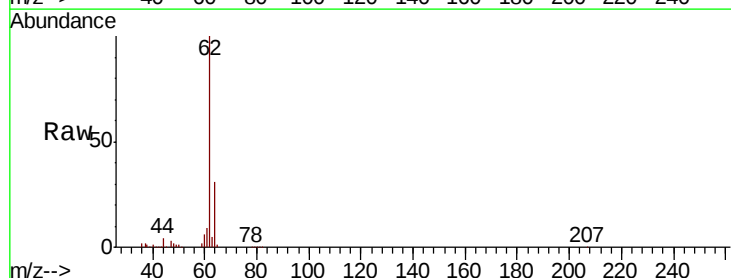
Acq: 28 Sep 2018 19:12

Tgt Ion: 62 Resp: 165169

Ion Ratio Lower Upper

62 100

64 31.0 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VN051614.D (-117) (-)

Ion 64.00 (63.70 to 64.70): VN051614.D (-117) (-)

2.18

120000

100000

80000

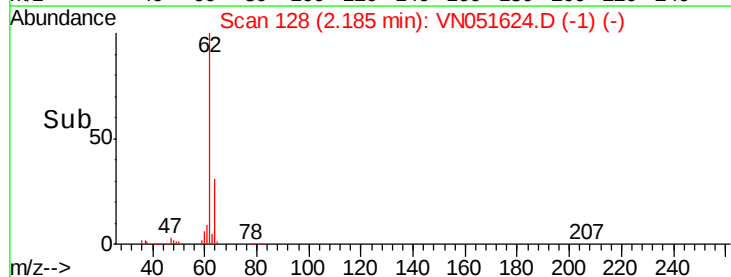
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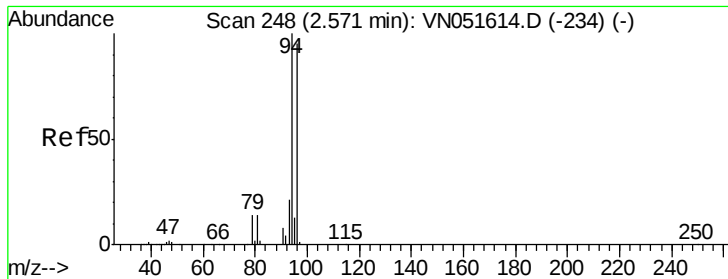
40000

20000

0

Time-->





#5

Bromomethane

Concen: 26.982 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

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ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 94901

Ion Ratio Lower Upper

94 100

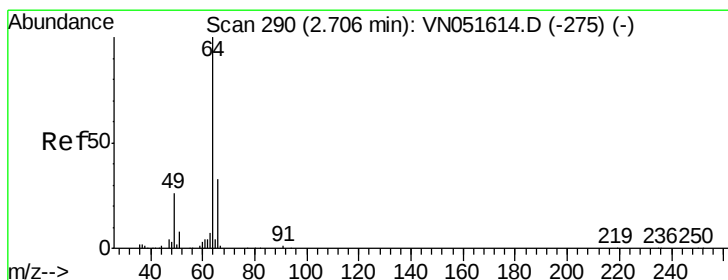
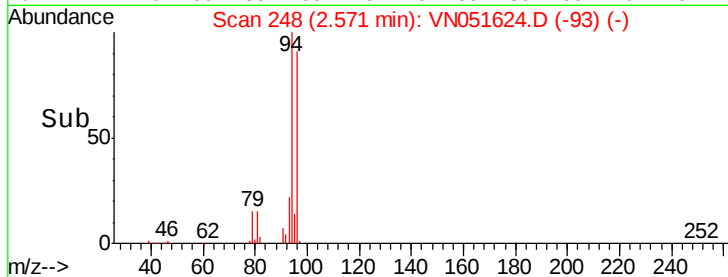
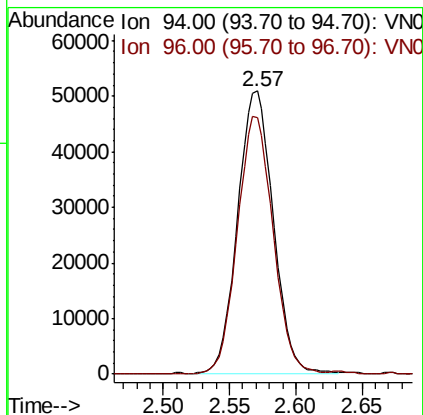
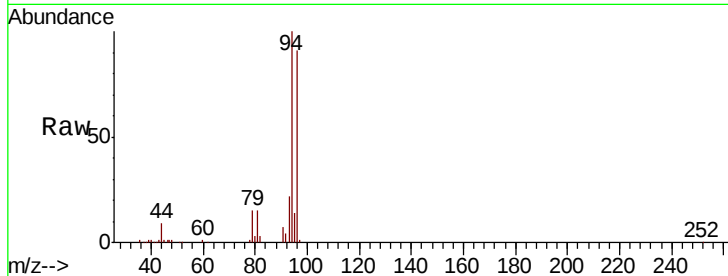
96 91.0 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 25.692 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051624.D

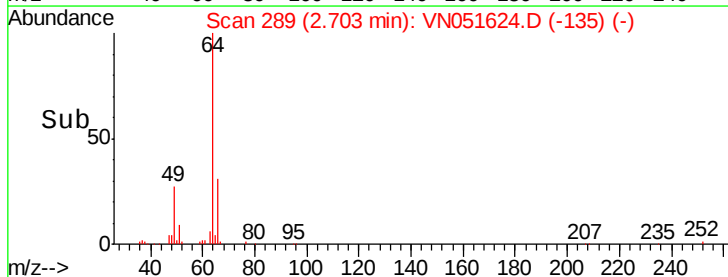
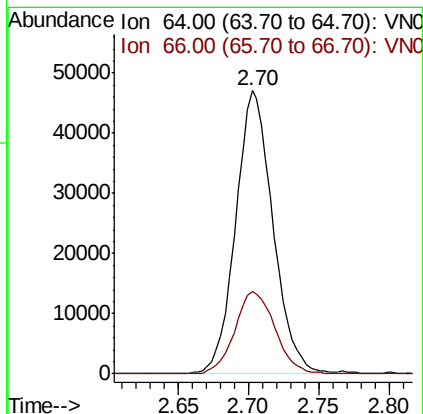
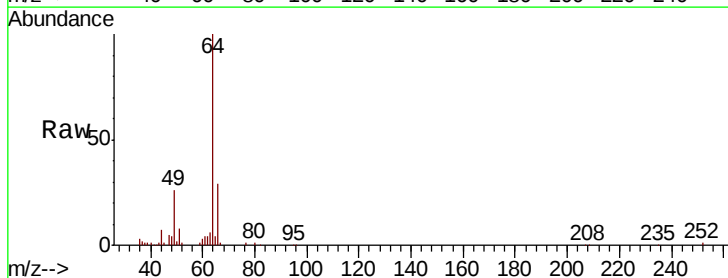
Acq: 28 Sep 2018 19:12

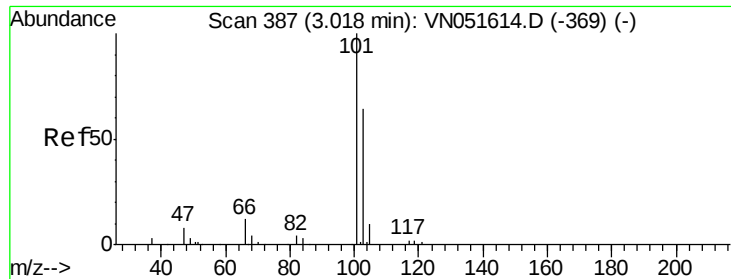
Tgt Ion: 64 Resp: 87274

Ion Ratio Lower Upper

64 100

66 29.0 26.1 39.1





#7

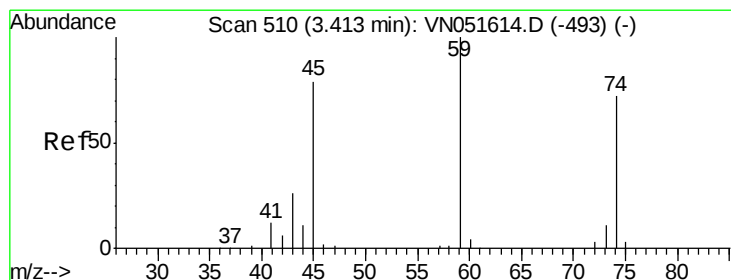
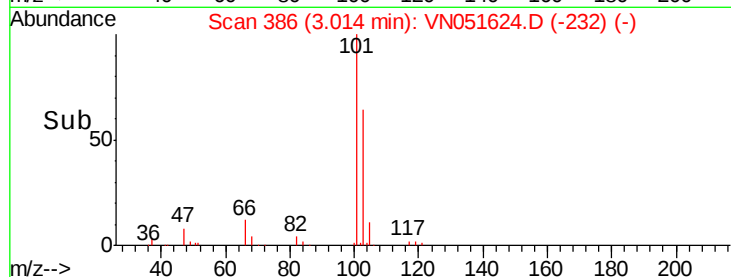
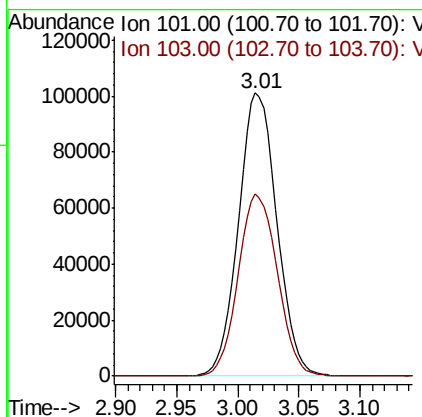
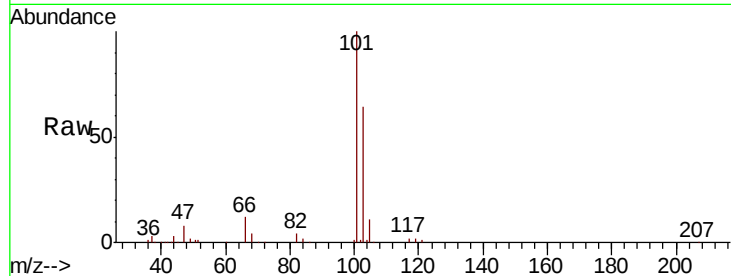
Trichlorofluoromethane
Concen: 26.595 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051624.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.2	76.8

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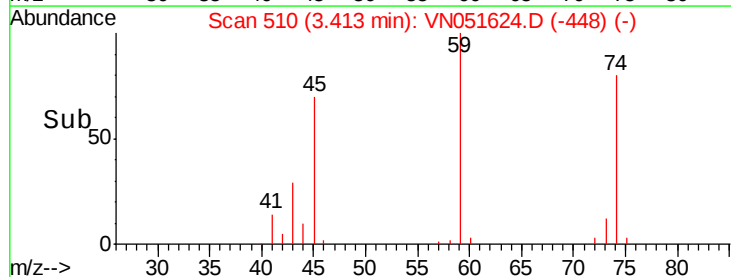
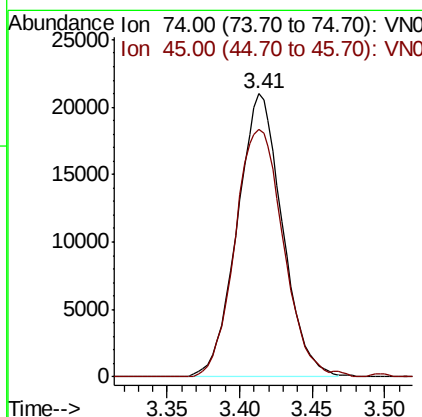
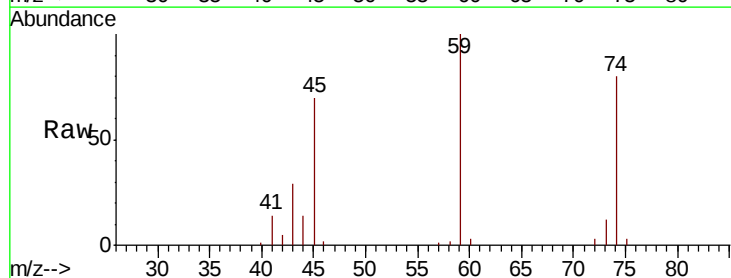
MMDadoda
10/3/2018 5:27:47 PM

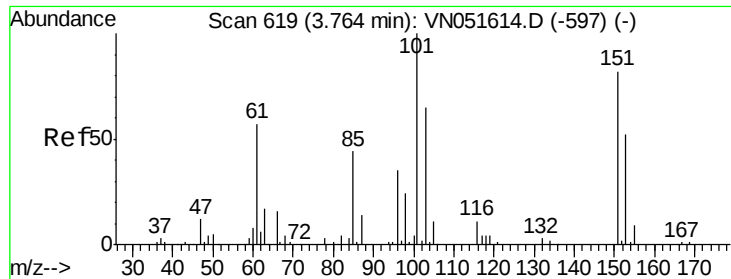


#8

Diethyl Ether
Concen: 17.468 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	21.3	191.5





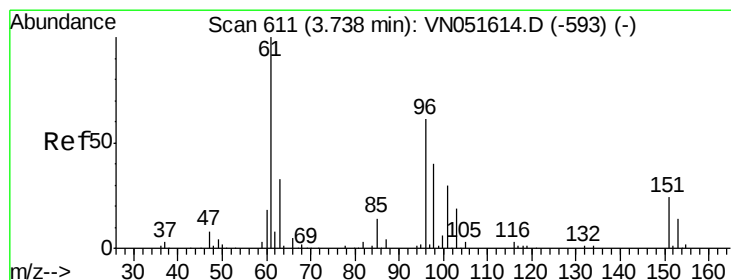
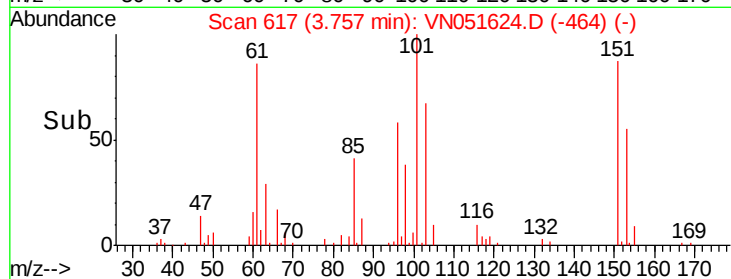
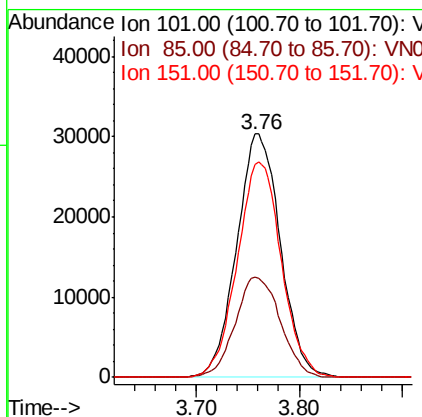
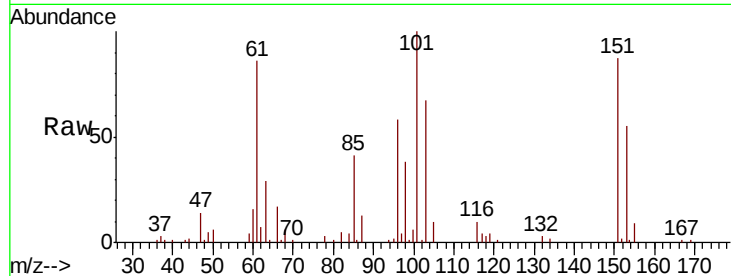
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.062 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VN051624.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	89140		
85	42.7	0.0	89.4	
151	89.3	0.0	167.6	

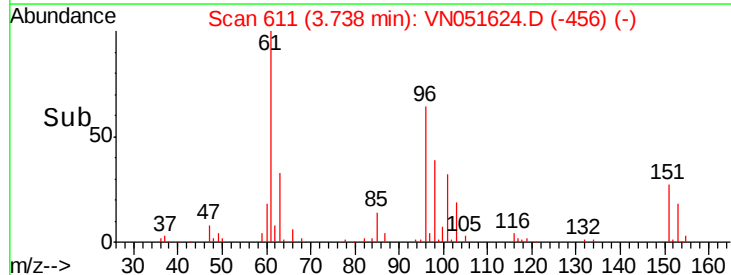
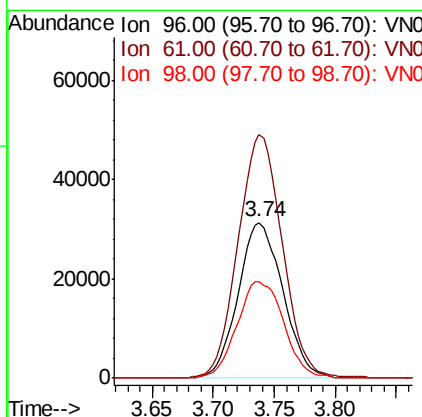
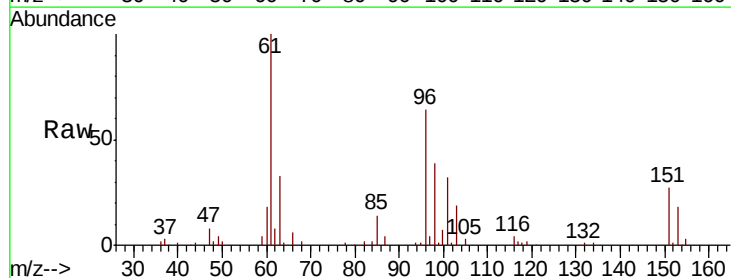
Manual Integrations
 APPROVED

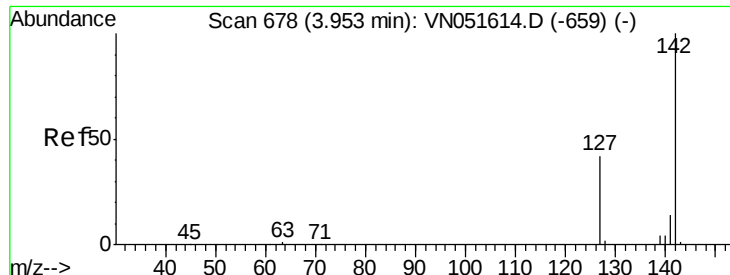
MMDadoda
 10/3/2018 5:27:47 PM



#10
 1,1-Dichloroethene
 Concen: 18.772 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	79667		
61	156.5	131.0	196.4	
98	61.6	52.7	79.1	





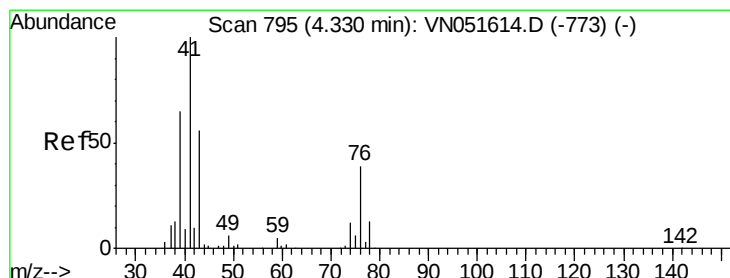
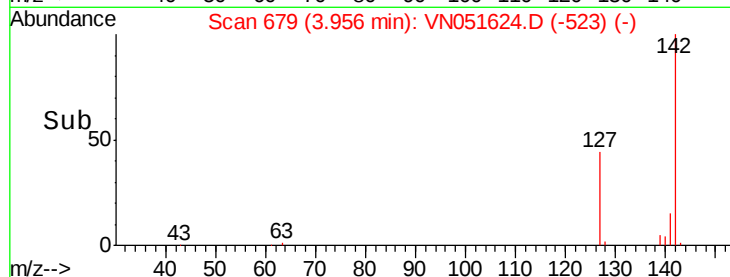
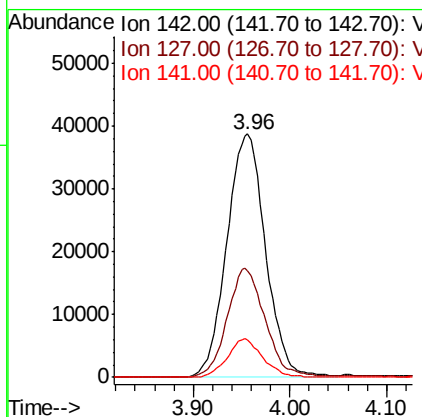
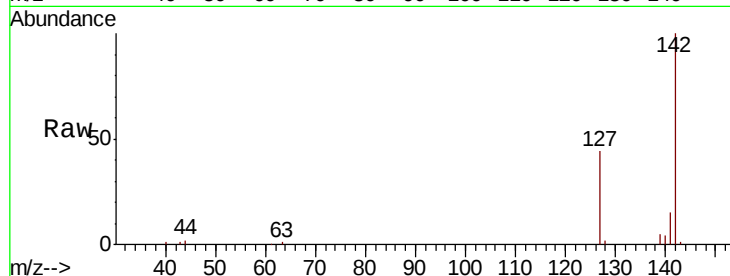
#11
Methyl Iodide
Concen: 19.752 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.5	21.1	63.1
141	15.2	7.1	21.4

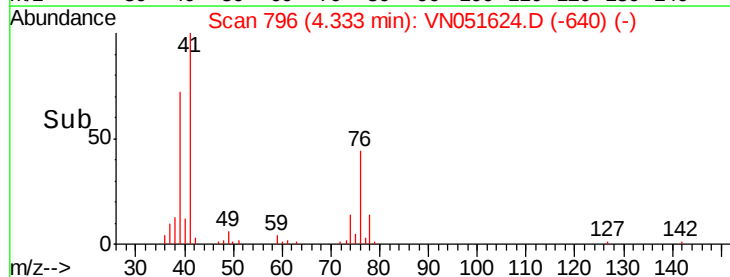
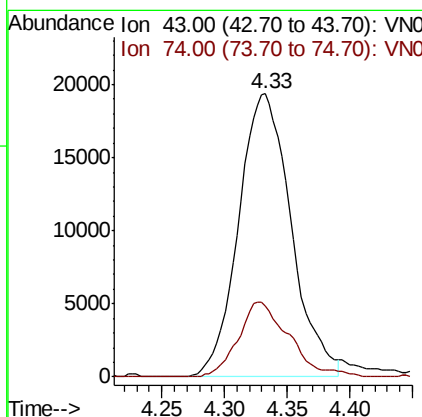
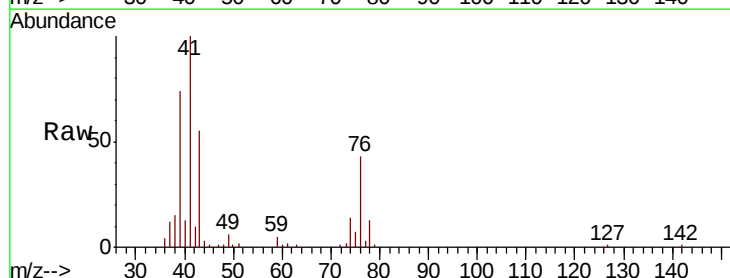
Manual Integrations
APPROVED

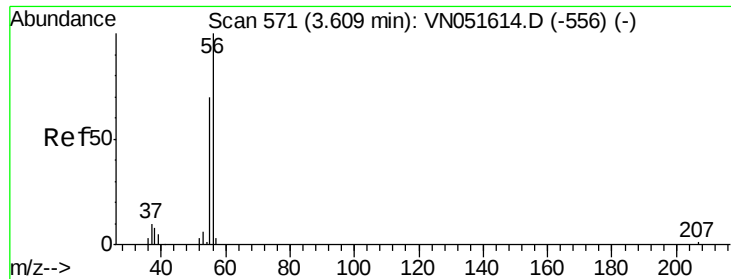
MMDadoda
10/3/2018 5:27:47 PM



#12
Methyl Acetate
Concen: 15.082 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	17.0	25.4





#13

Acrolein

Concen: 70.453 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 29153

Ion Ratio Lower Upper

56 100

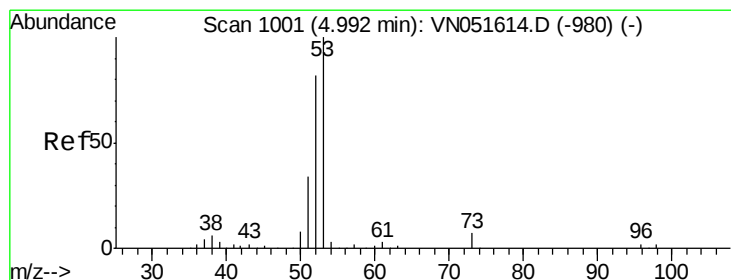
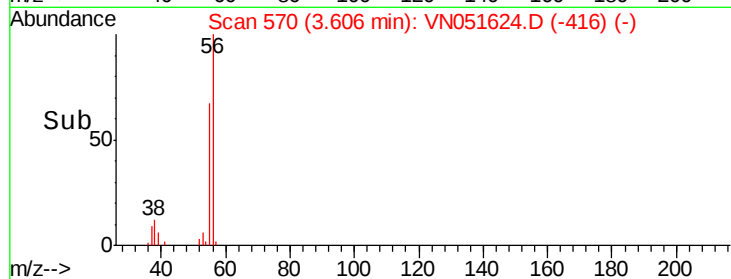
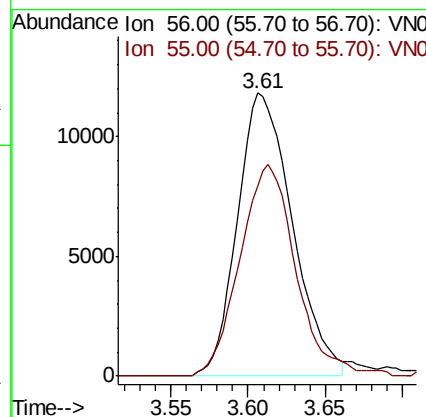
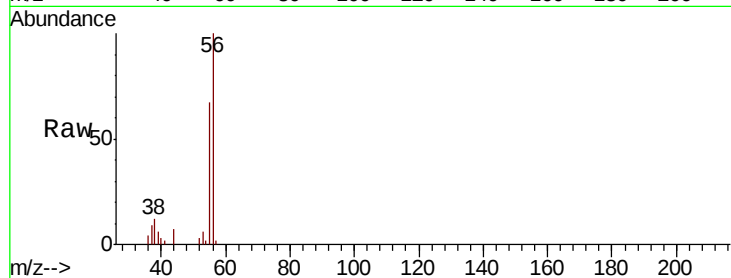
55 75.8 55.8 83.8

Manual Integrations

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#14

Acrylonitrile

Concen: 78.656 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

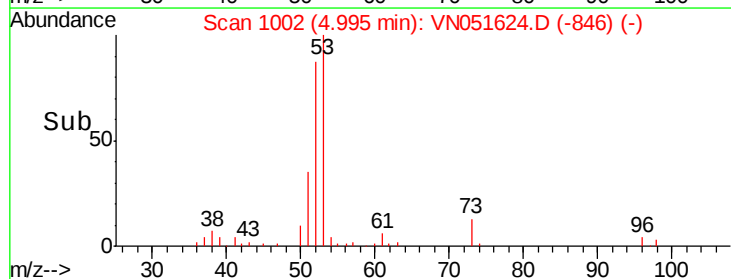
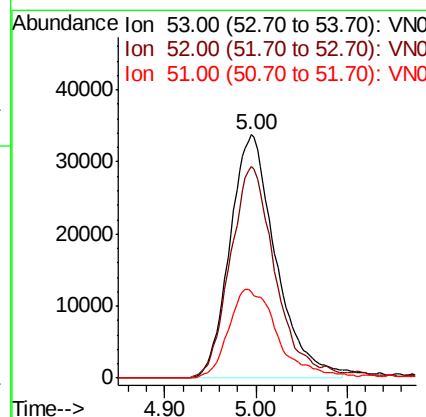
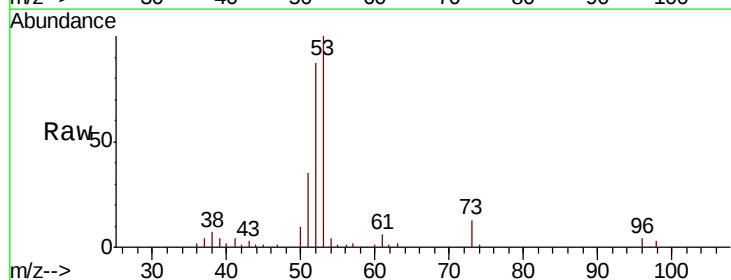
Tgt Ion: 53 Resp: 117982

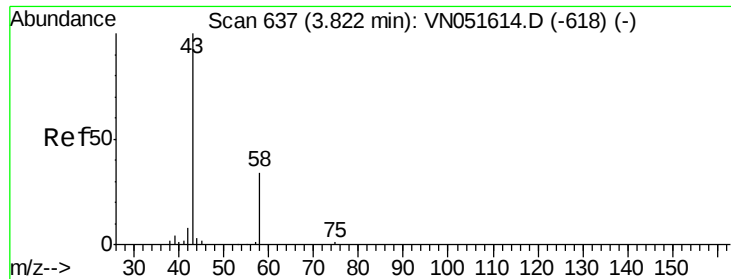
Ion Ratio Lower Upper

53 100

52 84.2 41.3 123.7

51 38.2 17.1 51.2





#15

Acetone

Concen: 71.424 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 28090

Ion Ratio Lower Upper

58 100

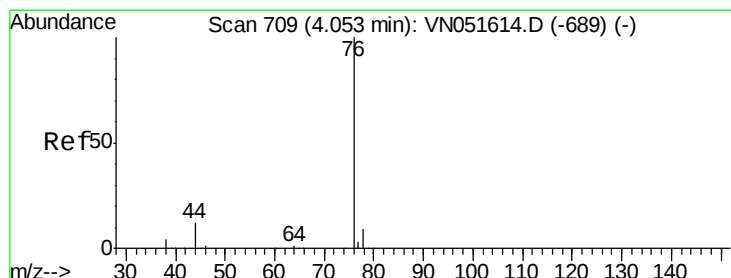
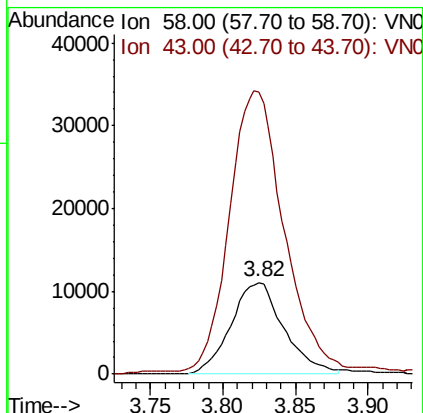
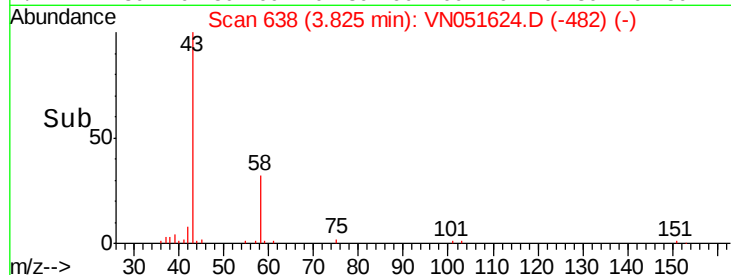
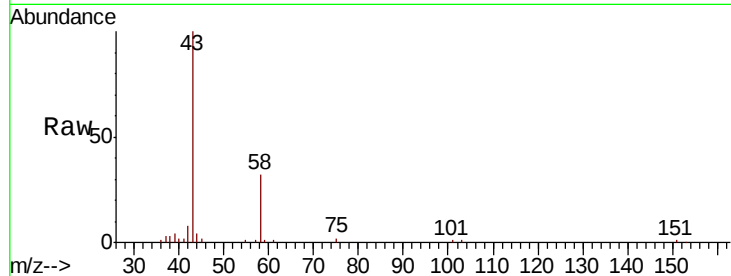
43 302.3 238.0 357.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 16.603 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051624.D

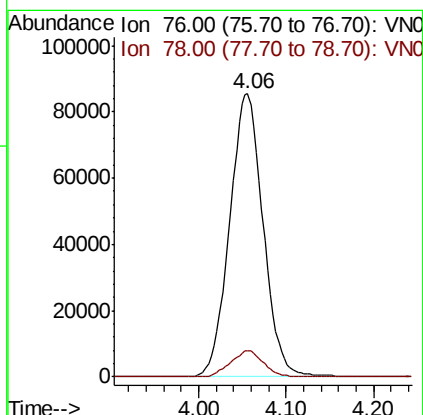
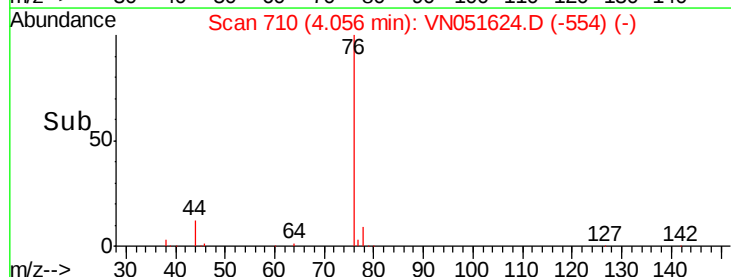
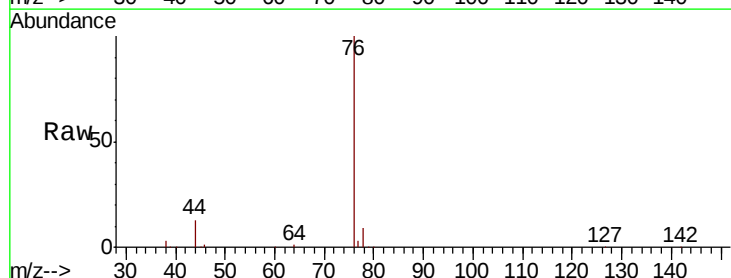
Acq: 28 Sep 2018 19:12

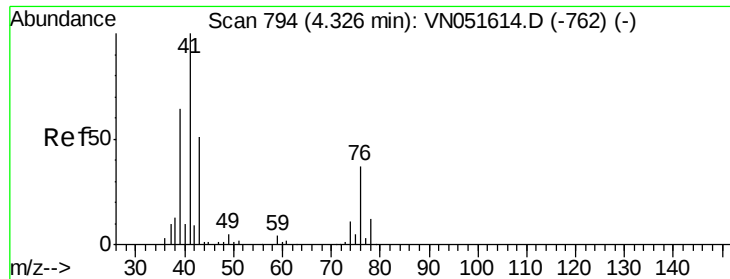
Tgt Ion: 76 Resp: 227060

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





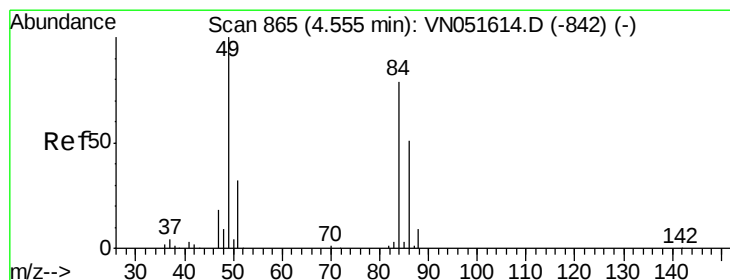
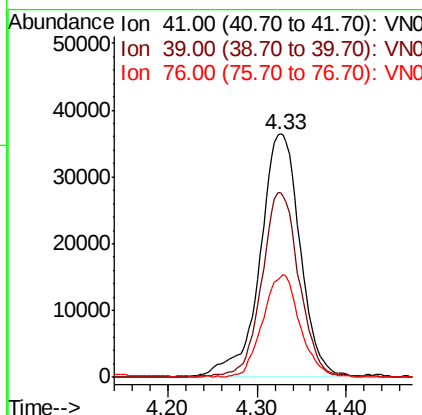
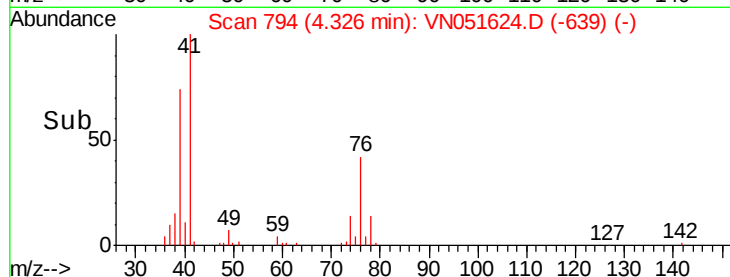
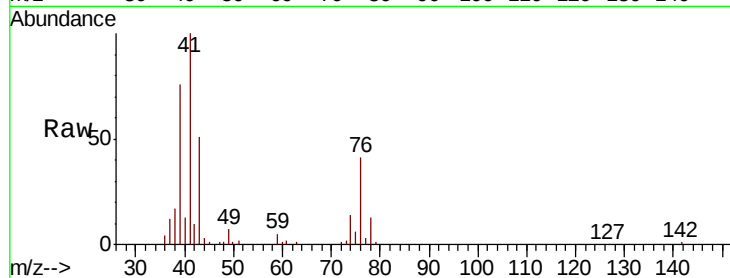
#17
Allvl chloride
Concen: 14.996 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	113843
Ion	Ratio	Lower	Upper
41	100		
39	75.7	31.9	95.9
76	40.7	18.6	56.0

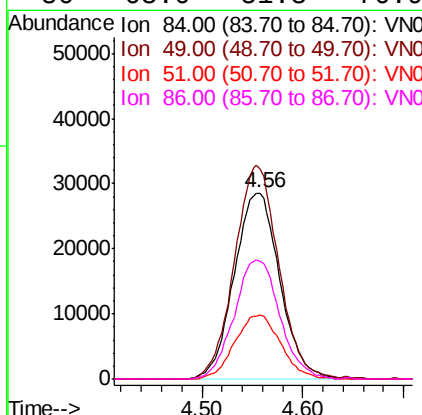
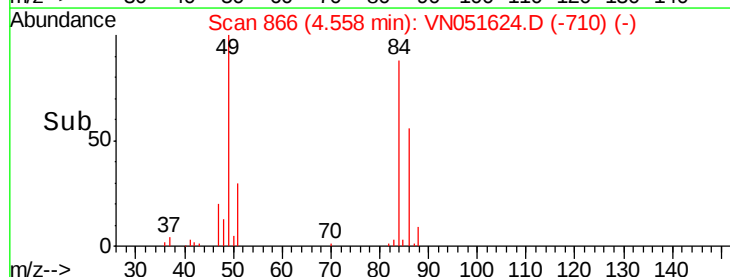
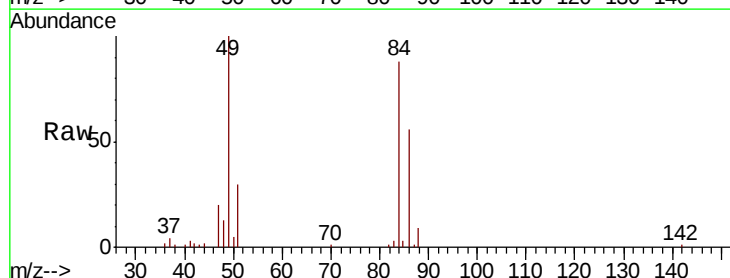
Manual Integrations
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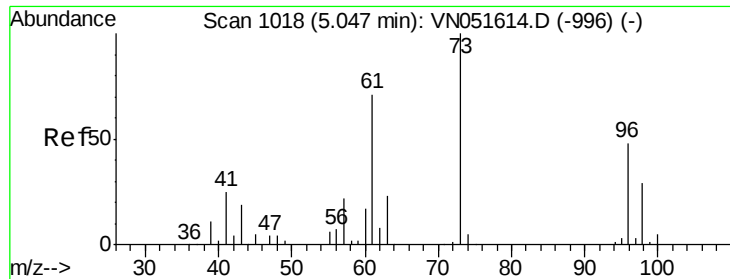
MMDadoda
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#18
Methylene Chloride
Concen: 18.356 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion:	84	Resp:	89561
Ion	Ratio	Lower	Upper
84	100		
49	113.0	100.9	151.3
51	34.2	32.5	48.7
86	63.0	51.3	76.9





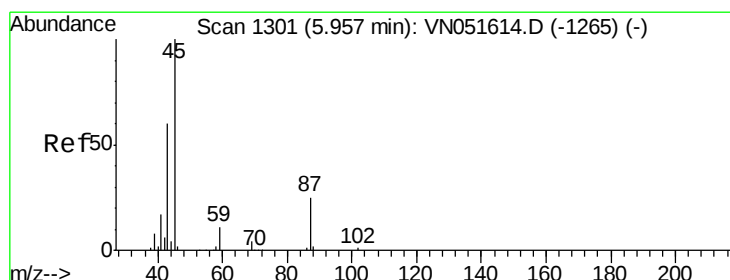
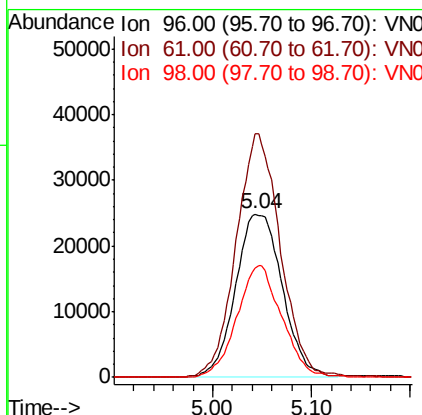
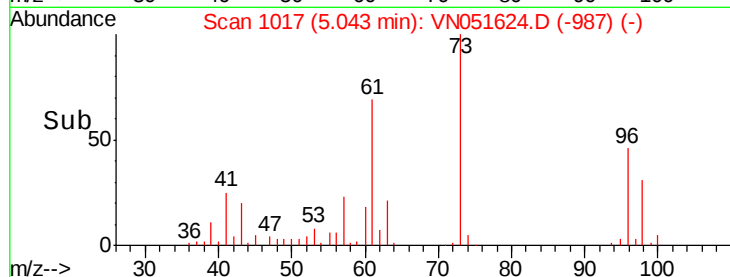
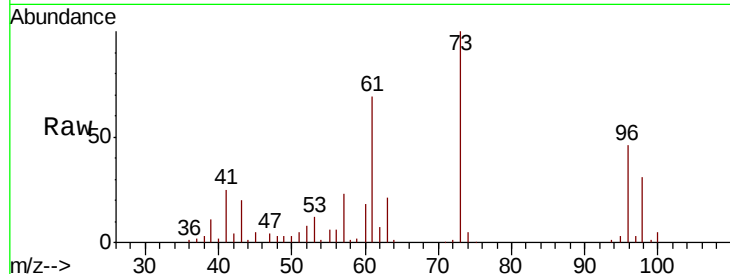
#19
trans-1,2-Dichloroethene
Concen: 18.122 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	118.0	177.0
98	67.2	49.0	73.4

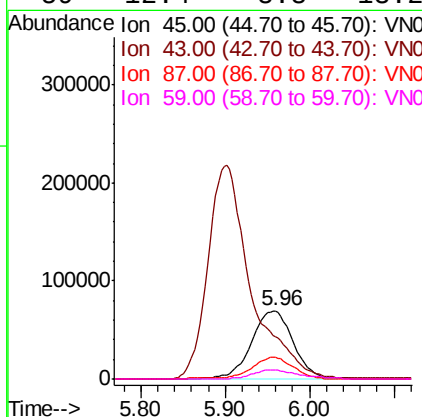
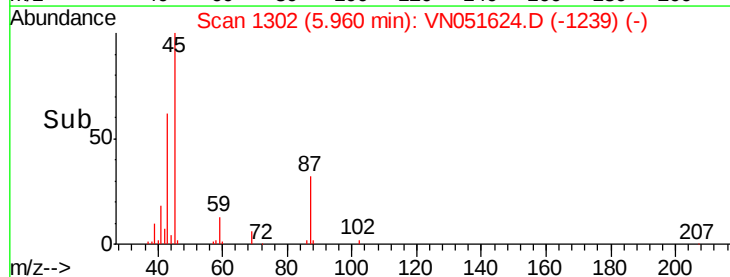
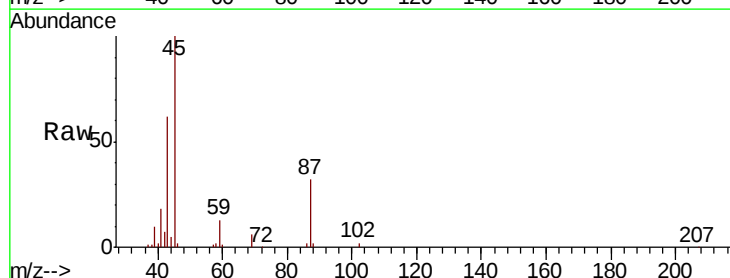
Manual Integrations
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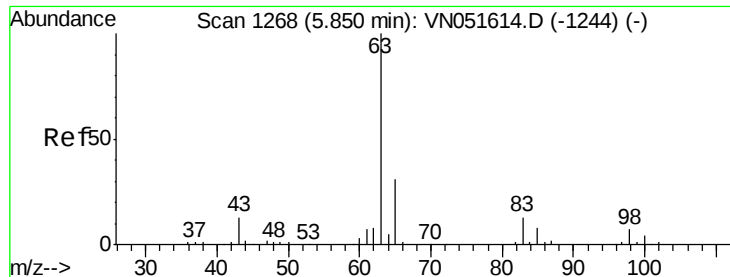
MMDadoda
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#20
Diisopropyl ether
Concen: 15.804 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.3	72.5
87	31.9	20.8	31.2#
59	12.4	8.8	13.2





#21

1,1-Dichloroethane

Concen: 17.405 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

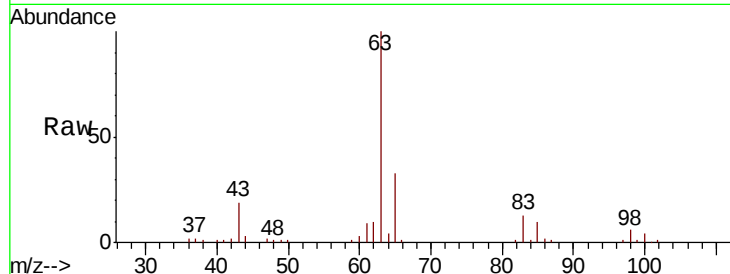
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	155351
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.3	9.9
100	3.8	2.0	5.8

Manual Integrations
APPROVED

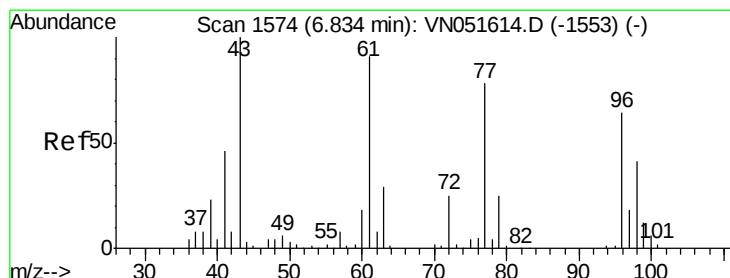
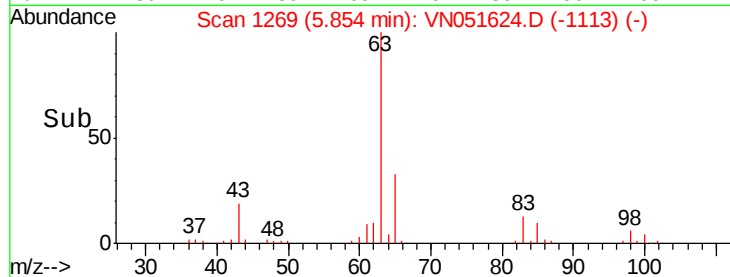
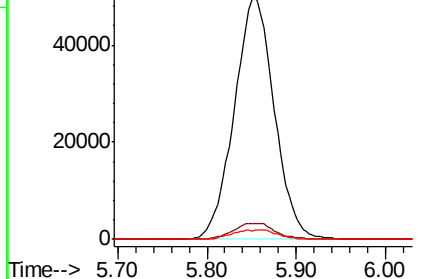
MMDadoda
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Abundance Ion 63.00 (62.70 to 63.70): VN051614.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051614.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.566 ug/l

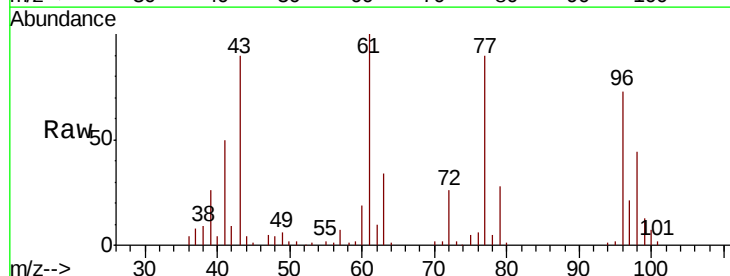
RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

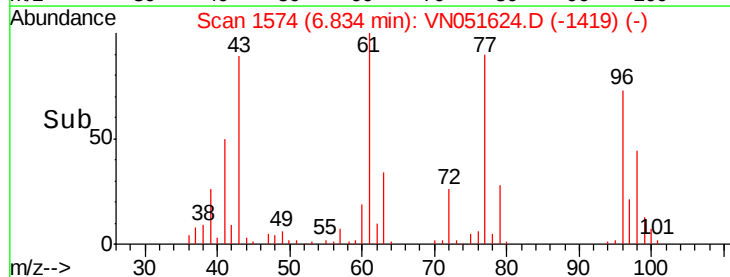
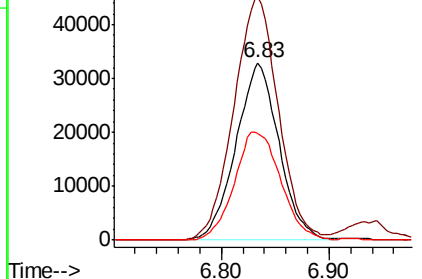
Tgt Ion:	96	Resp:	91344
Ion Ratio	Lower	Upper	
96	100		
61	142.1	120.4	180.6
98	65.7	51.4	77.0

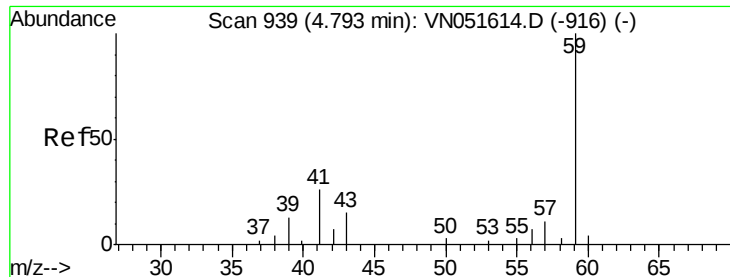


Abundance Ion 96.00 (95.70 to 96.70): VN051614.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN051614.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1553) (-)





#23

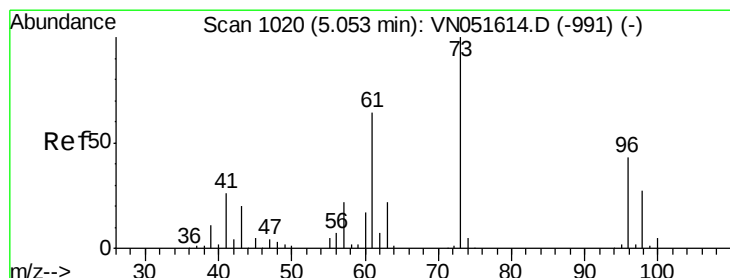
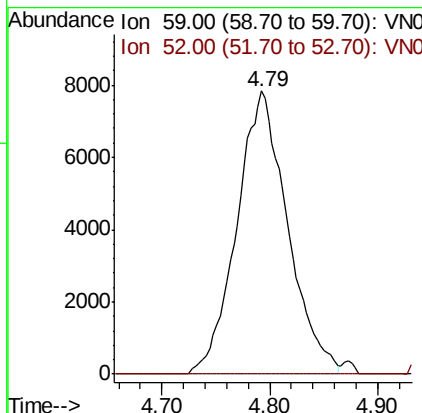
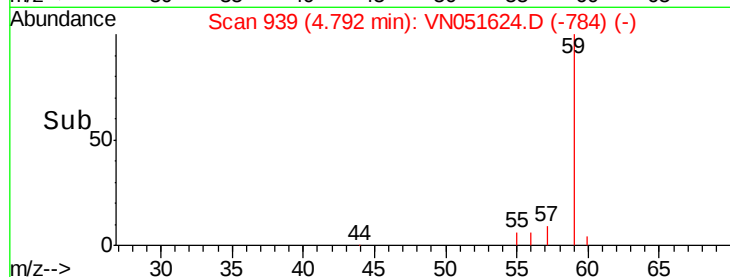
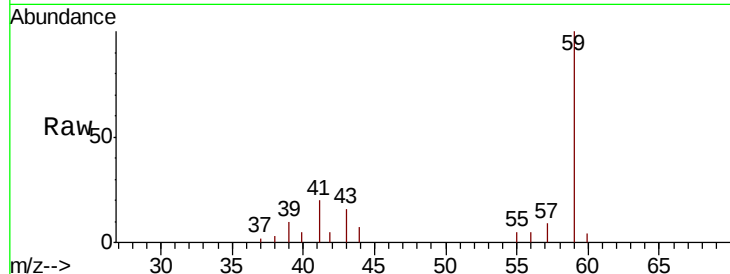
tert-Butyl Alcohol
 Concen: 89.405 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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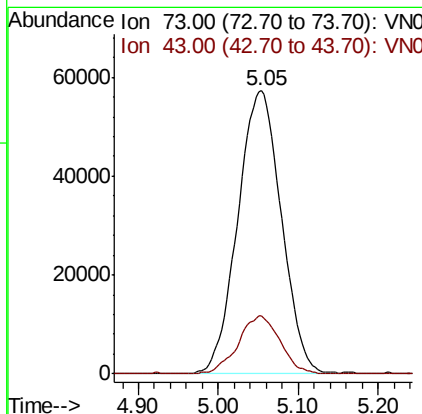
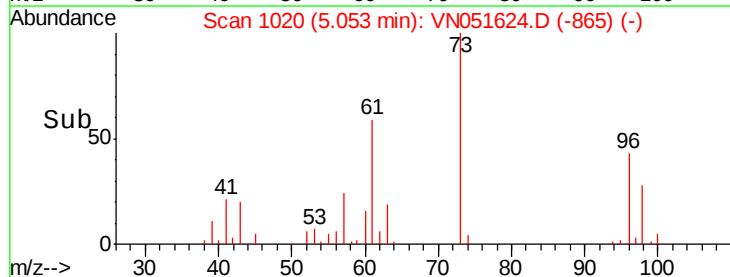
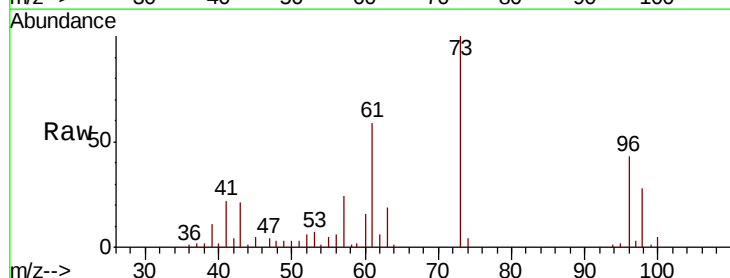
MMDadoda
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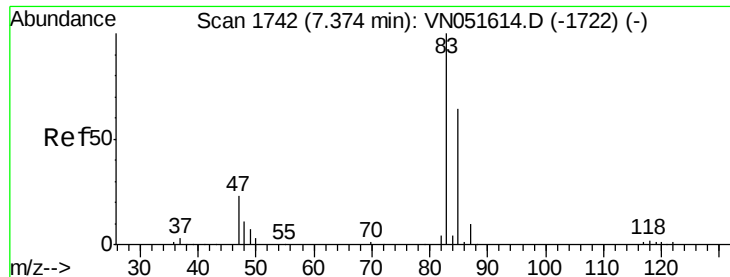


#24

Methyl tert-Butyl Ether
 Concen: 19.069 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.6	16.1	24.1





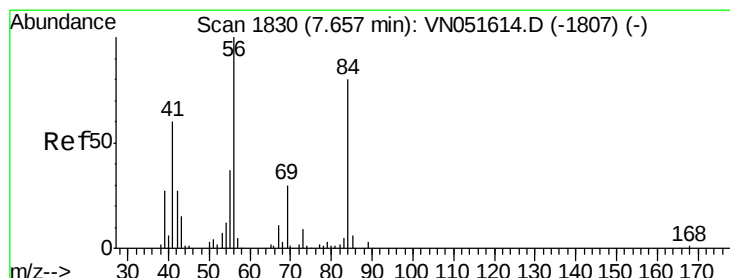
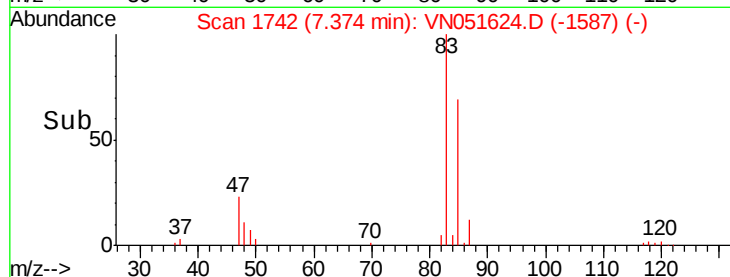
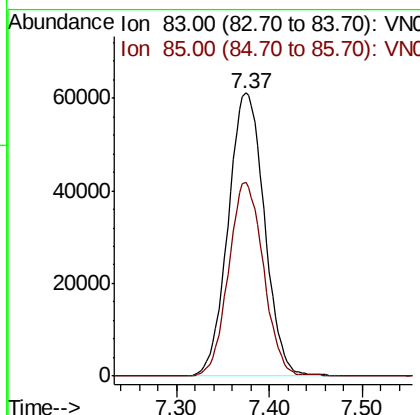
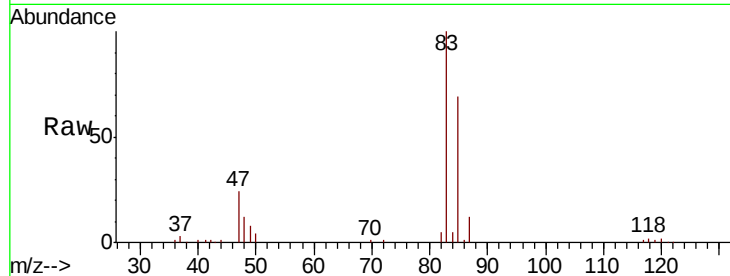
#25
Chloroform
Concen: 19.402 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	165589
Ion Ratio	100	Lower	Upper
83	100		
85	68.6	51.4	77.0

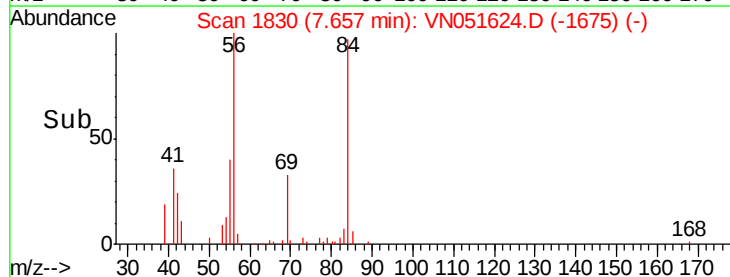
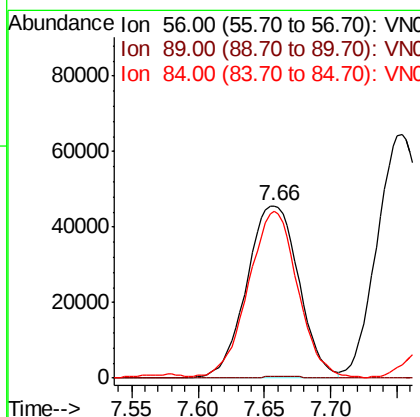
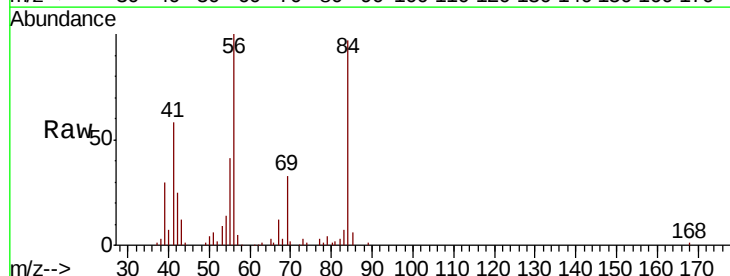
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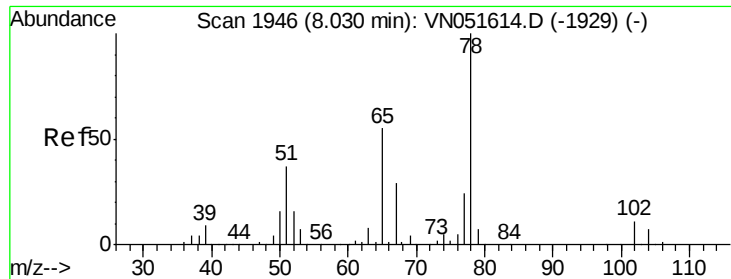
MMDadoda
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#26
Cyclohexane
Concen: 16.189 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	56	Resp	125046
Ion Ratio	100	Lower	Upper
56	100		
89	0.4	2.2	3.2#
84	92.5	65.0	97.4





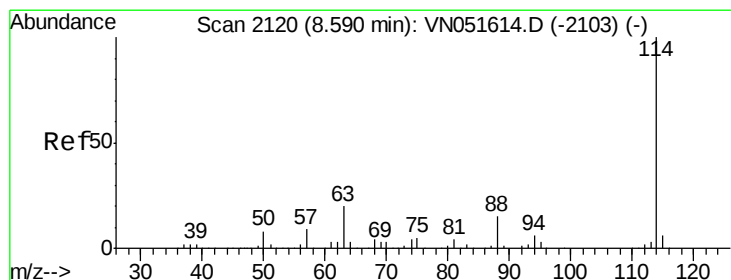
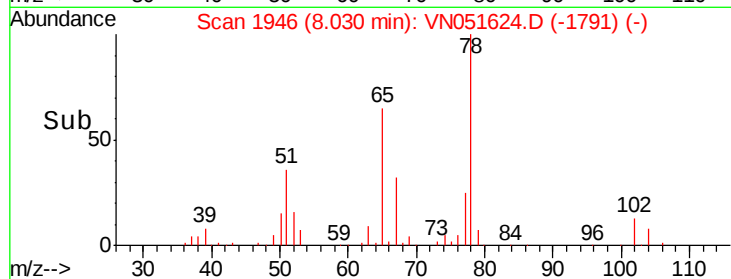
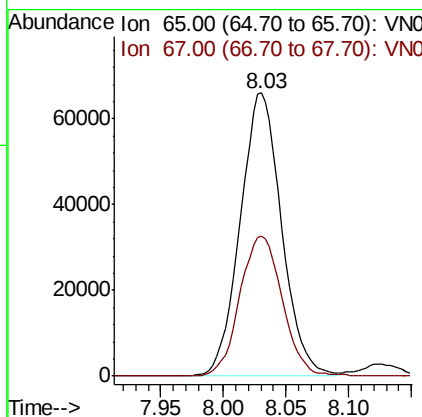
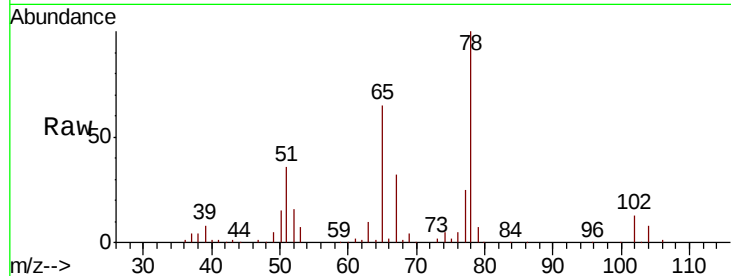
#27
 1,2-Dichloroethane-d4
 Concen: 16.189 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	43.1	64.7

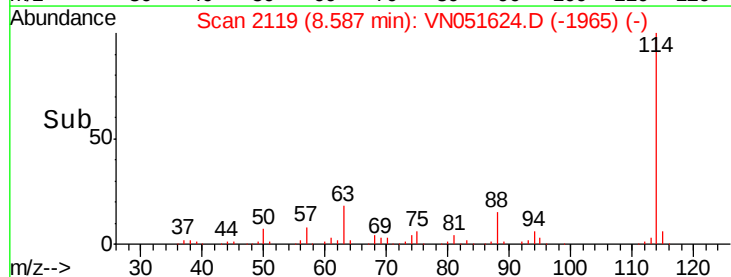
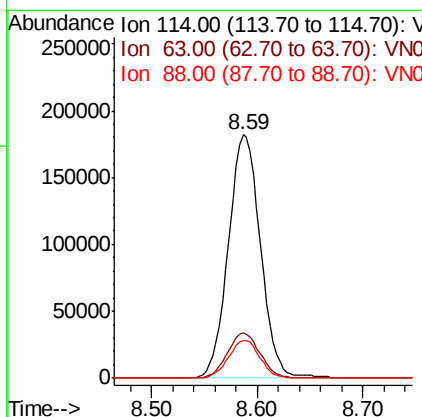
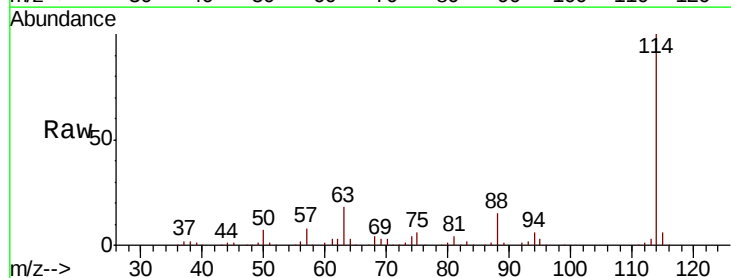
Manual Integrations
 APPROVED

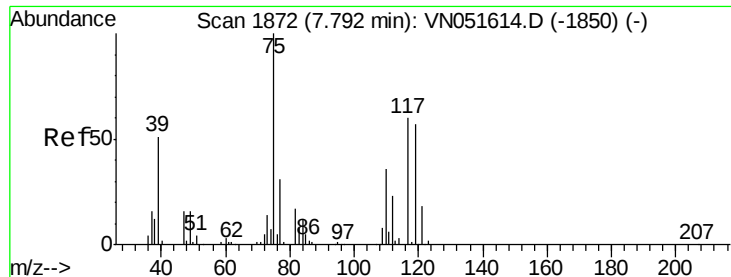
MMDadoda
 10/3/2018 5:27:47 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.9	16.4	24.6
88	15.2	12.6	18.8





#29

1,1-Dichloropropene

Concen: 18.046 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

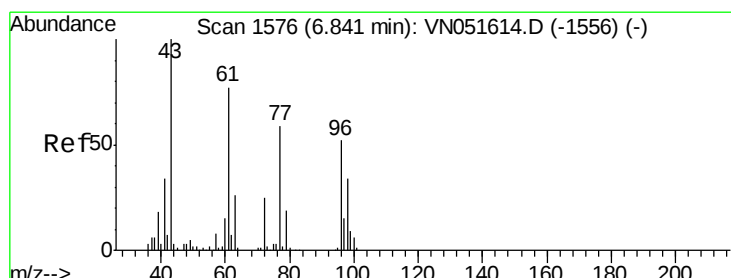
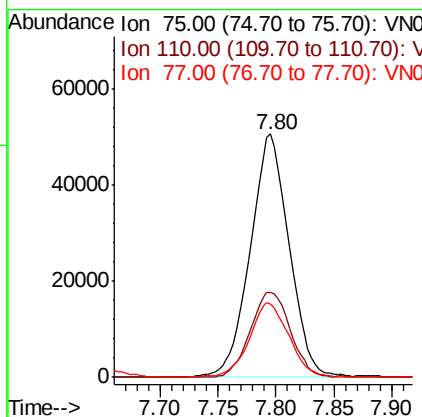
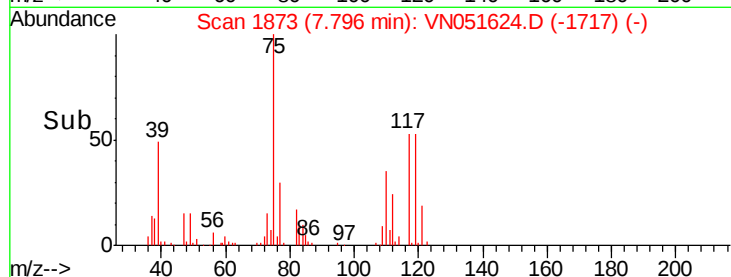
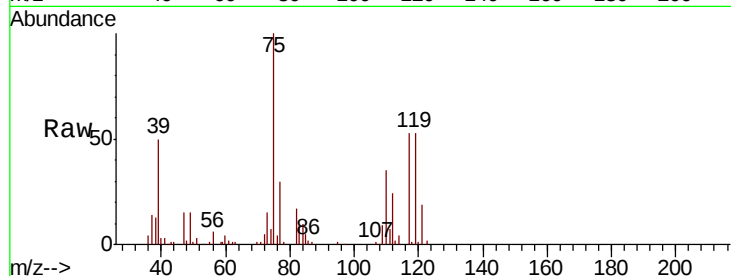
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	118237
Ion Ratio	Lower	Upper	
75	100		
110	36.0	0.0	71.0
77	31.3	0.0	62.4

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#30

2-Butanone

Concen: 73.845 ug/l

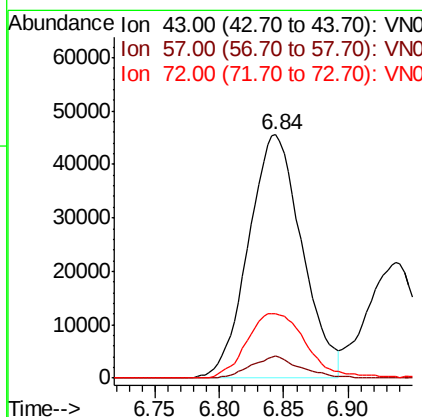
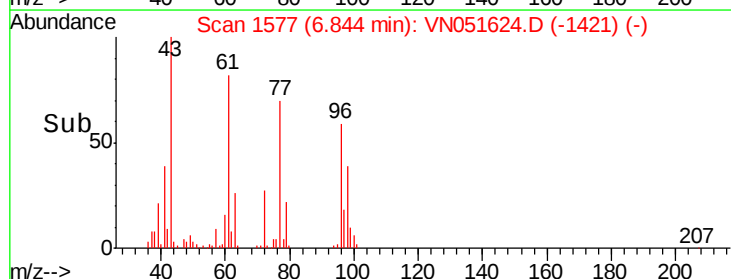
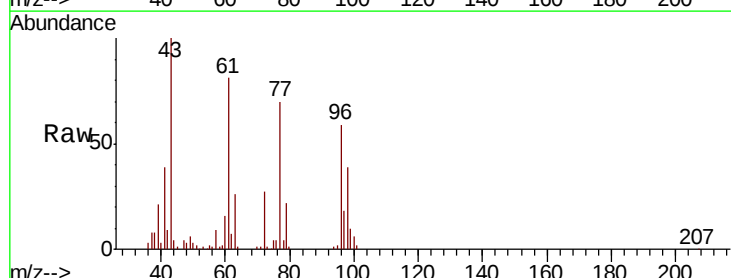
RT: 6.84 min Scan# 1577

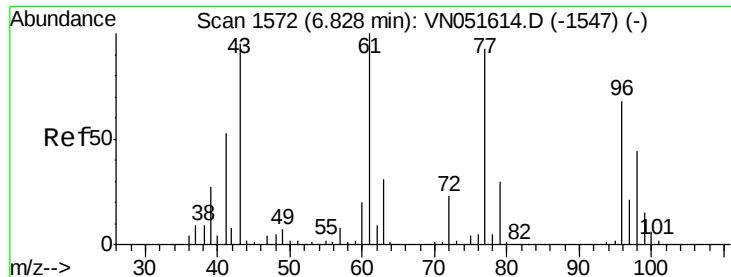
Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Tgt Ion:	43	Resp:	131682
Ion Ratio	Lower	Upper	
43	100		
57	8.3	6.6	10.0
72	29.1	20.8	31.2





#31

2,2-Dichloropropane

Concen: 18.888 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 133563

Ion Ratio Lower Upper

77 100

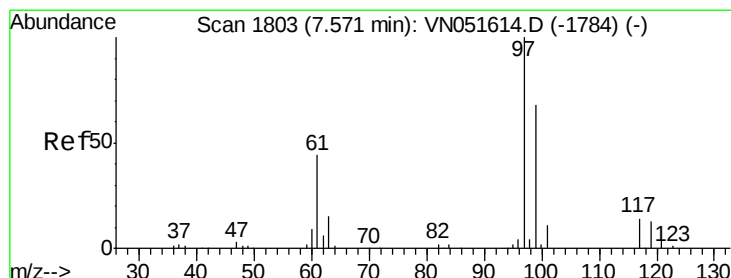
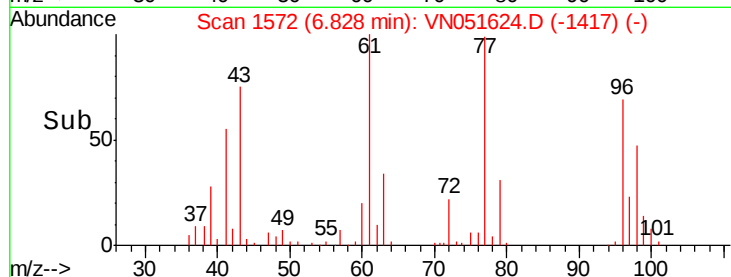
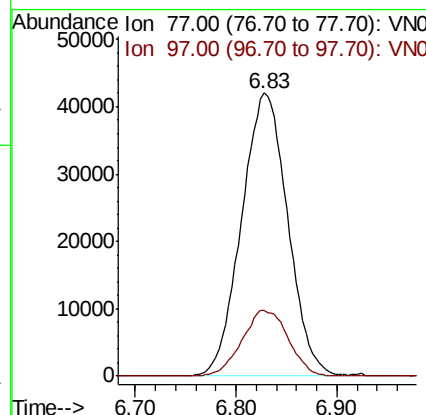
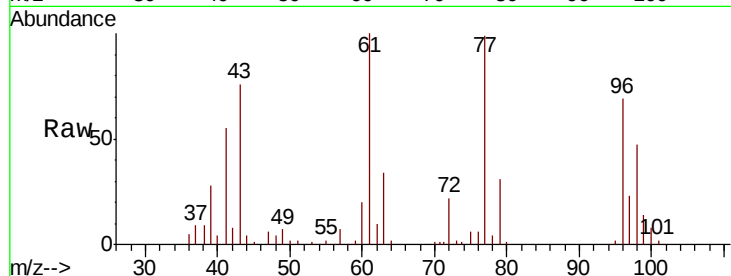
97 23.2 18.6 28.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.889 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

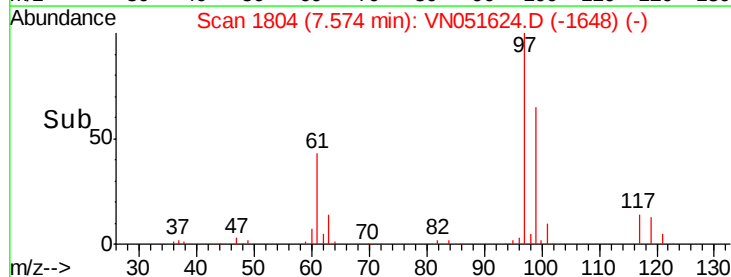
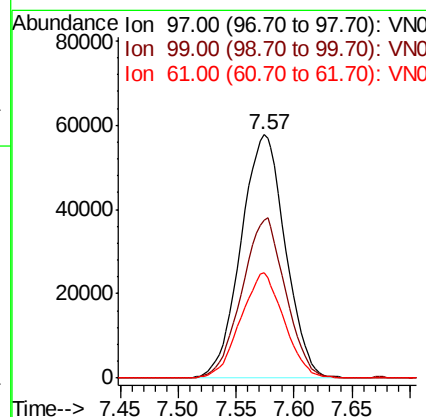
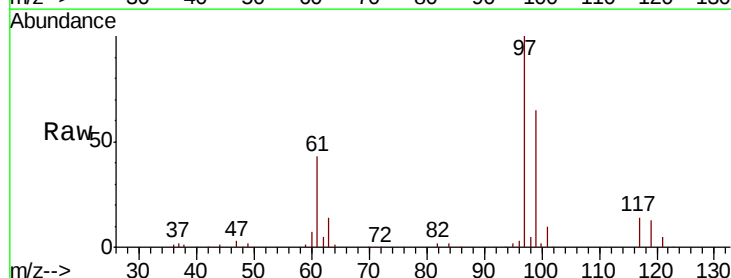
Tgt Ion: 97 Resp: 153779

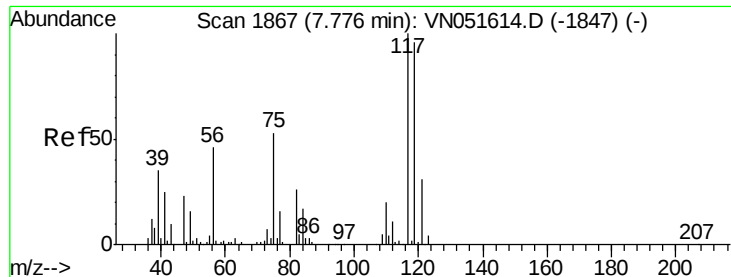
Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.4

61 42.3 36.2 54.4





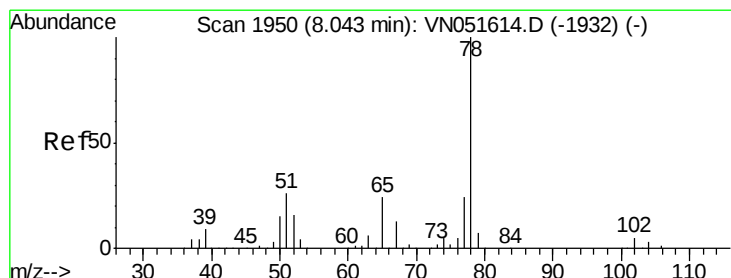
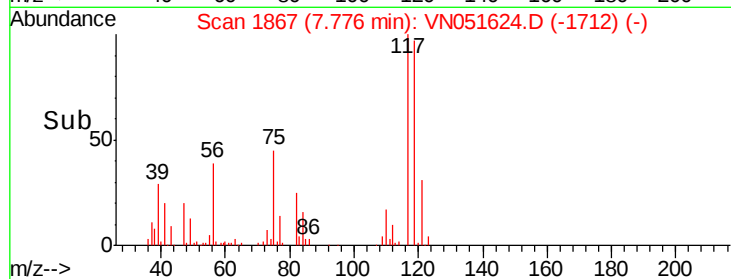
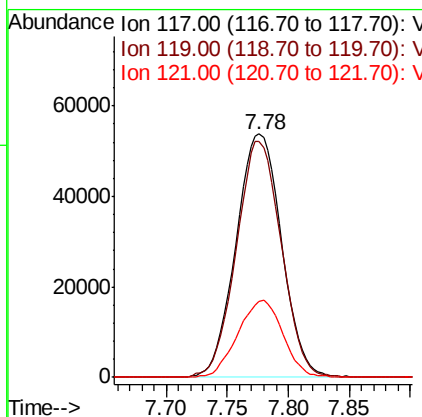
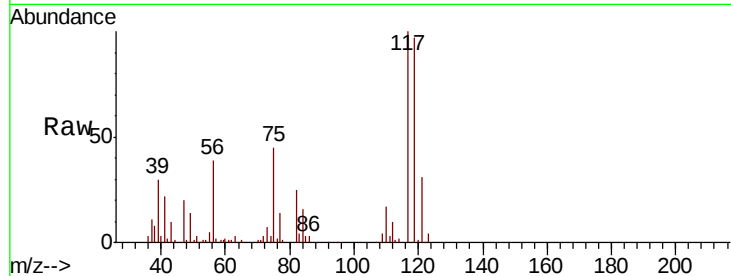
#33
Carbon Tetrachloride
Concen: 21.038 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		139202		
119	96.8	76.5		114.7	
121	31.4	25.0		37.6	

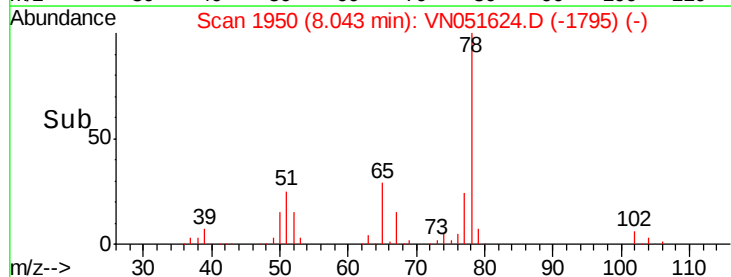
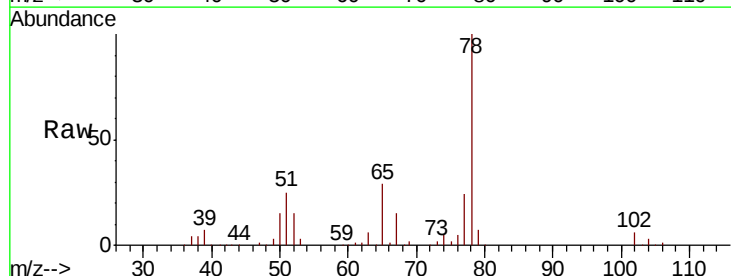
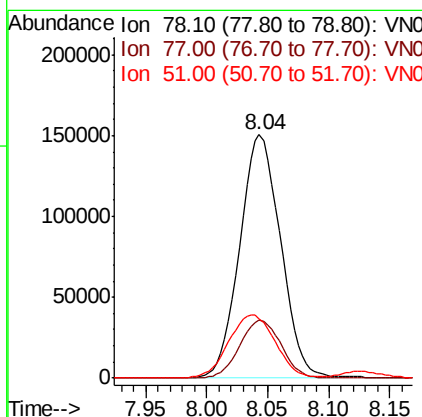
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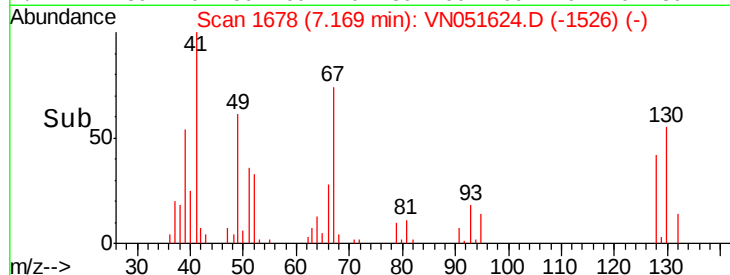
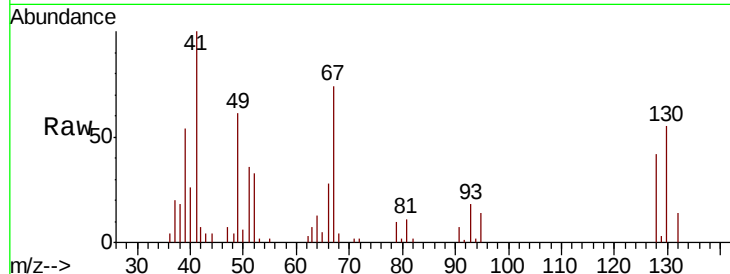
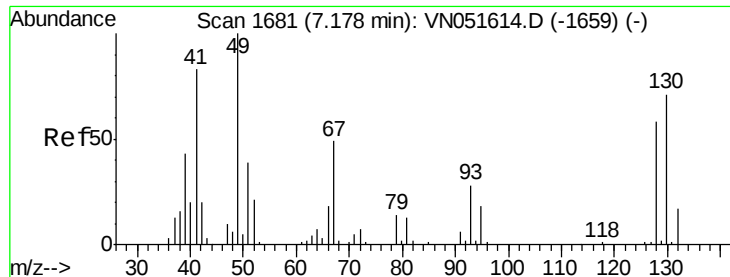
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#34
Benzene
Concen: 17.959 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		349092		
77	23.8	19.3		28.9	
51	24.3	20.8		31.2	





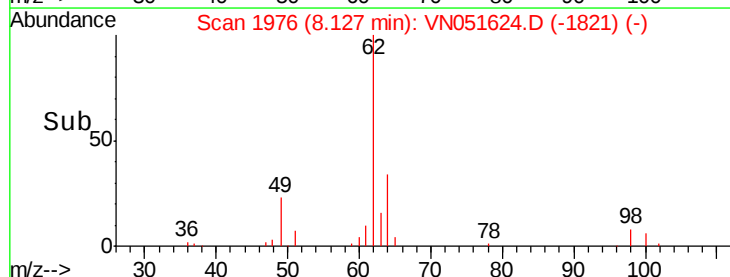
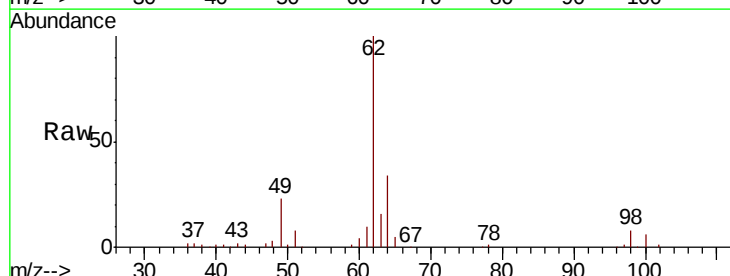
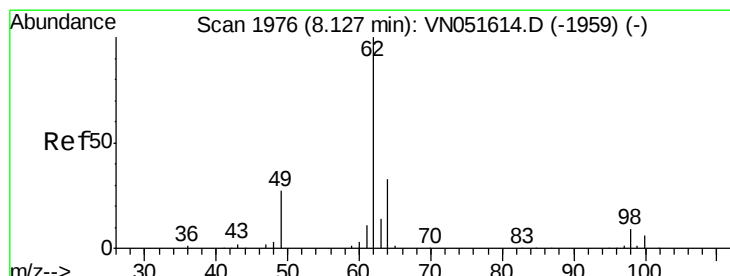
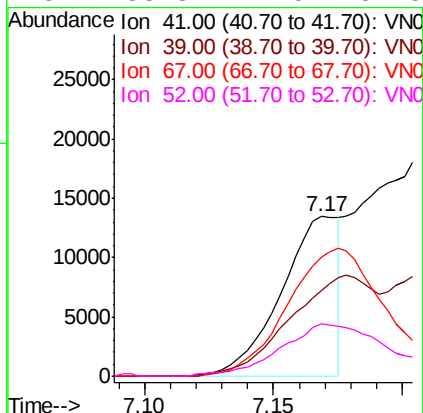
#35
Methacrylonitrile
Concen: 10.449 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tot Ion	41	Resp	20949
Ion Ratio	Lower	Upper	
41	100		
39	53.9	25.6	76.8
67	74.3	29.4	88.2
52	33.3	12.5	37.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

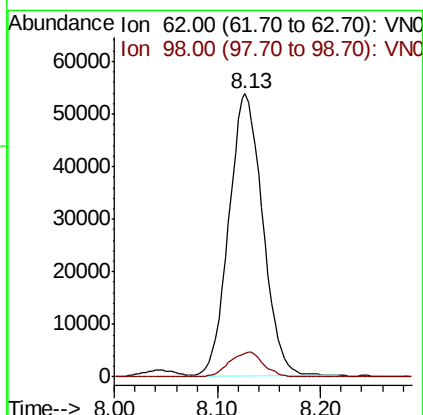
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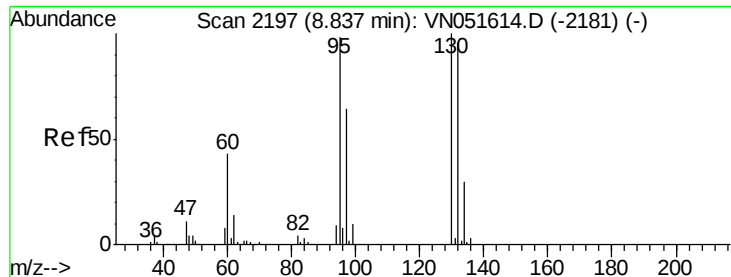
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.787 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	62	Resp	122604
Ion Ratio	Lower	Upper	
62	100		
98	8.8	7.4	11.2





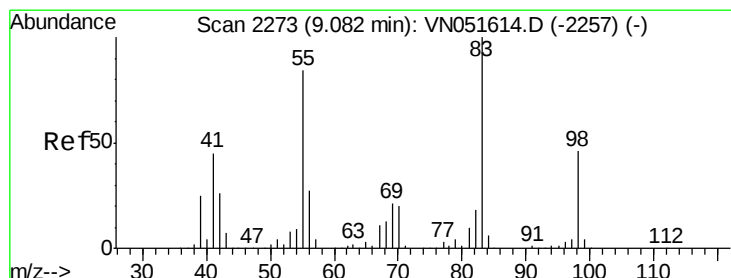
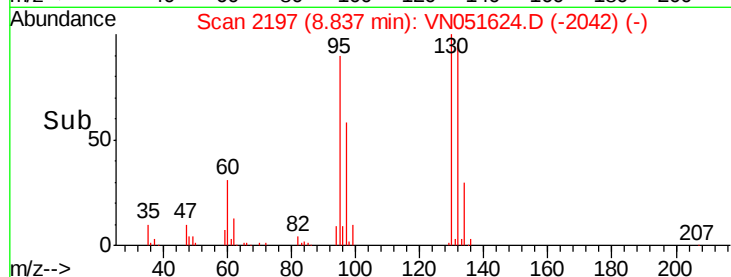
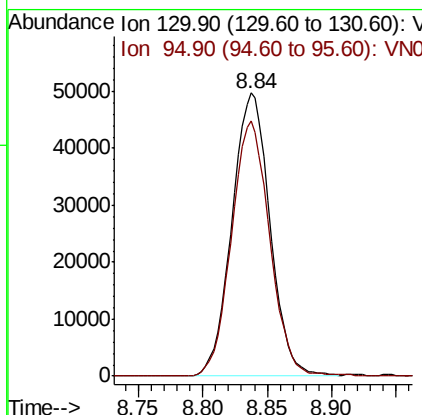
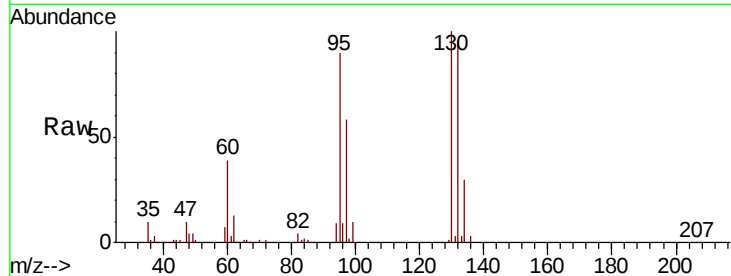
#37
 Trichloroethene
 Concen: 20.430 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 101961
 Ion Ratio Lower Upper
 130 100
 95 90.1 78.4 117.6

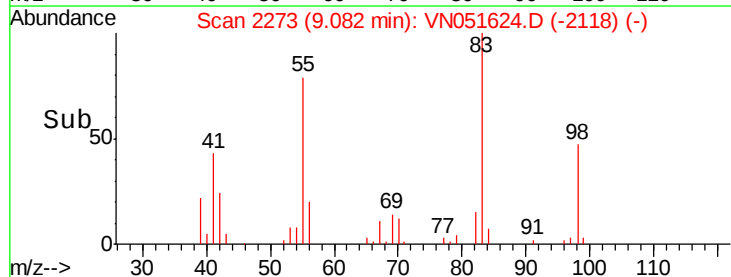
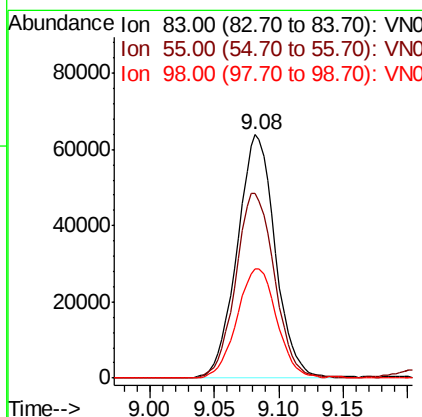
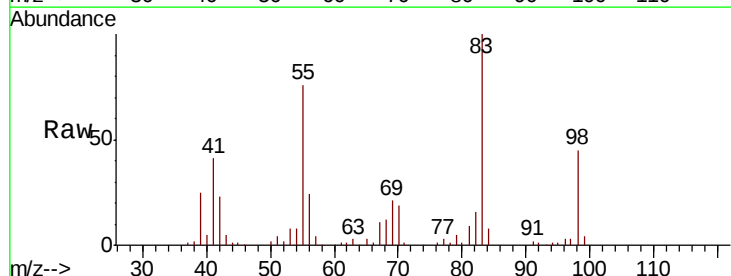
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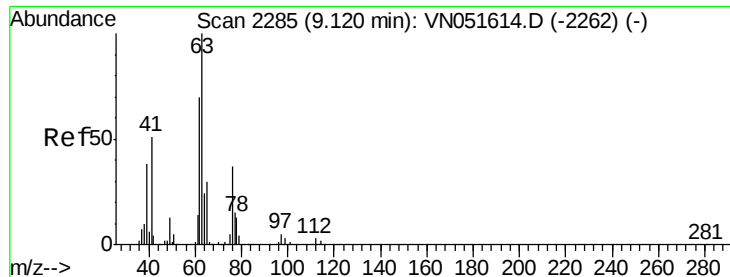
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#38
 Methylcyclohexane
 Concen: 17.329 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion: 83 Resp: 131017
 Ion Ratio Lower Upper
 83 100
 55 77.6 41.6 124.9
 98 47.1 23.1 69.2





#39

1,2-Dichloropropane

Concen: 16.994 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 90516

Ion Ratio Lower Upper

63 100

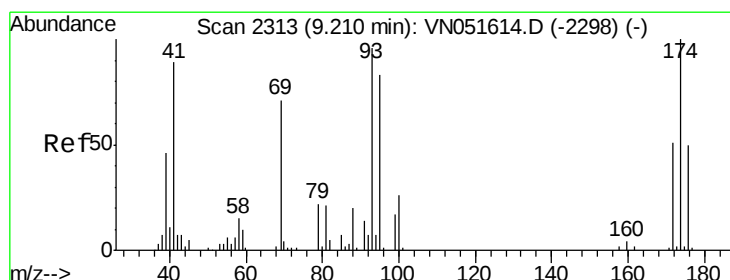
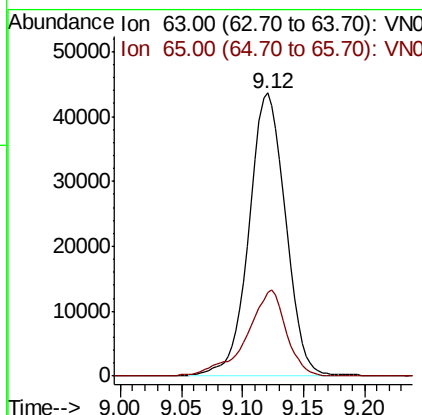
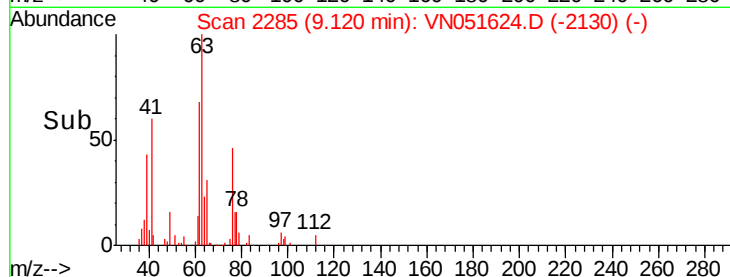
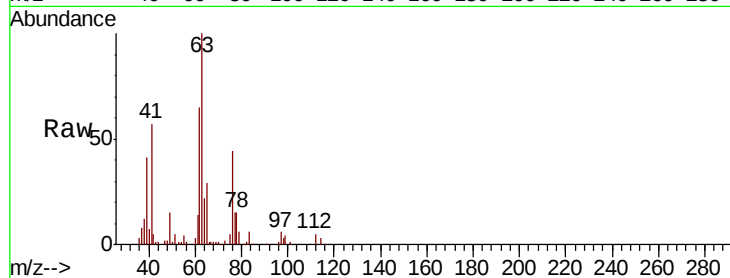
65 29.5 24.4 36.6

Manual Integrations

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#40

Dibromomethane

Concen: 18.510 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

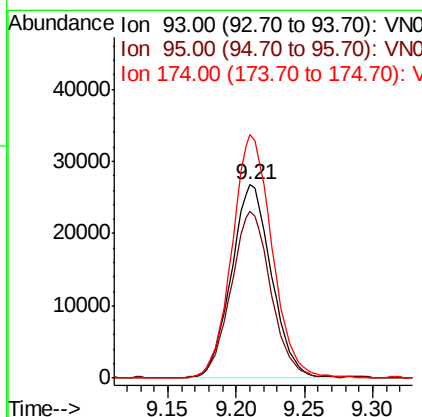
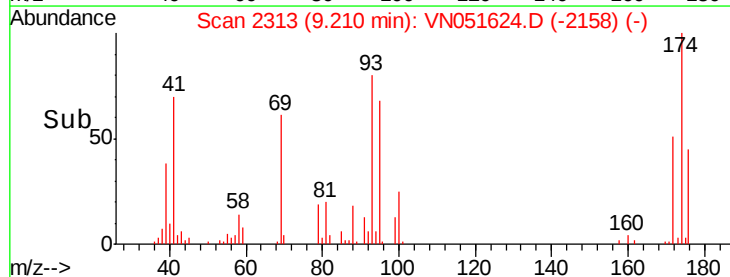
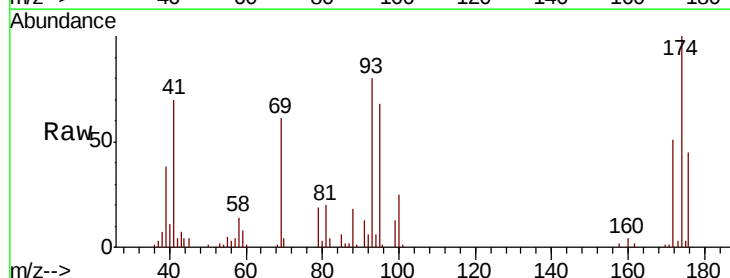
Tgt Ion: 93 Resp: 54769

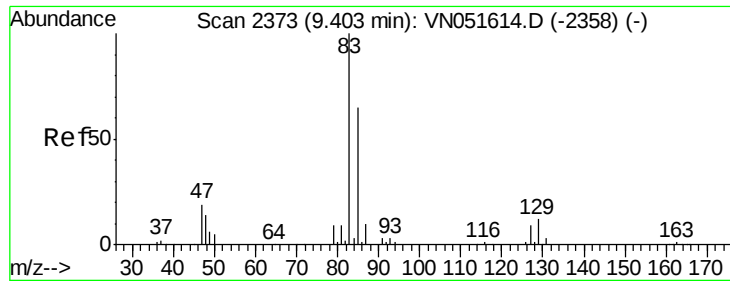
Ion Ratio Lower Upper

93 100

95 85.2 0.0 171.0

174 125.3 0.0 212.0





#41

Bromodichloromethane

Concen: 19.560 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

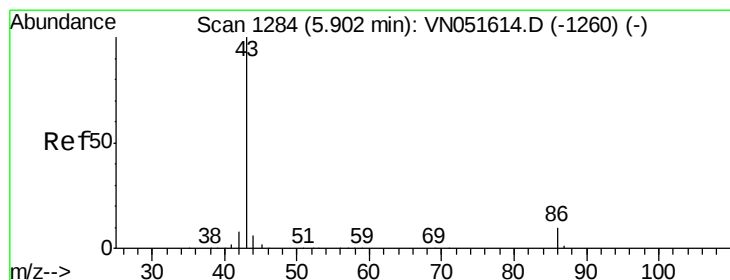
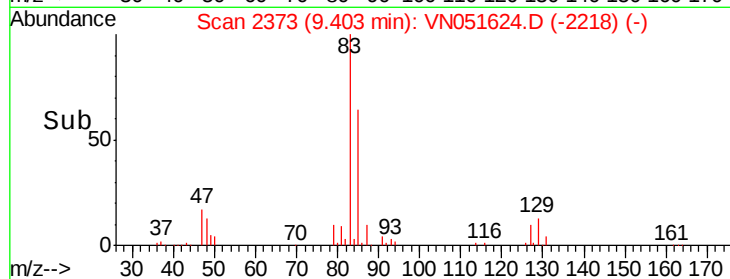
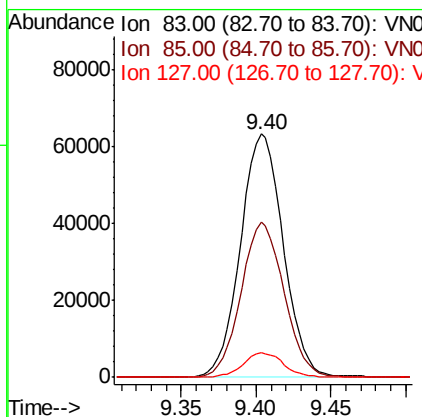
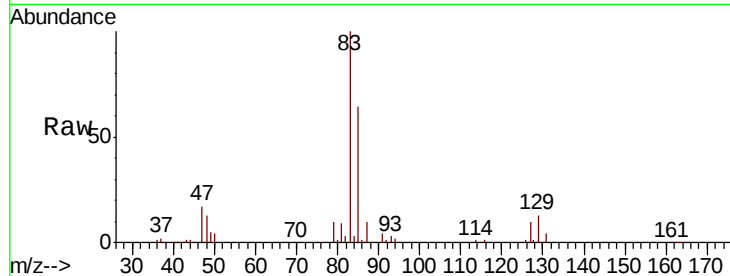
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	126333
Ion Ratio	Lower	Upper	
83	100		
85	63.8	52.1	78.1
127	10.0	7.1	10.7

Manual Integrations
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#42

Vinyl Acetate

Concen: 77.841 ug/l

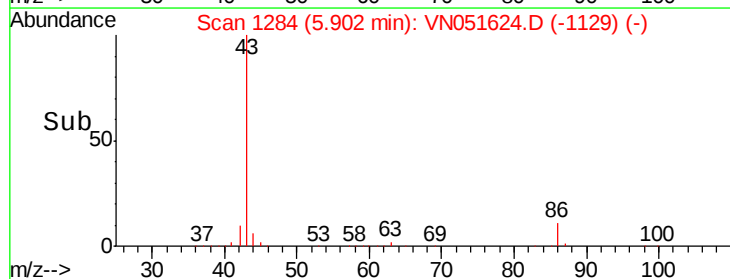
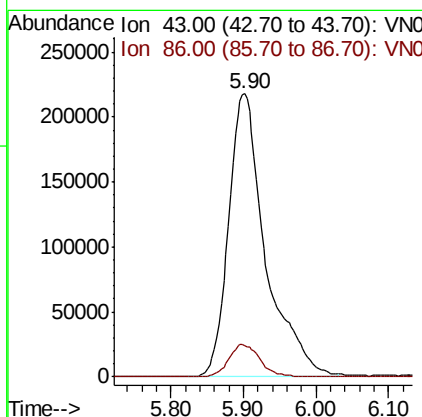
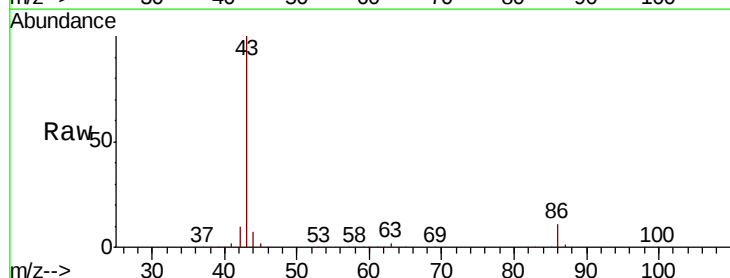
RT: 5.90 min Scan# 1284

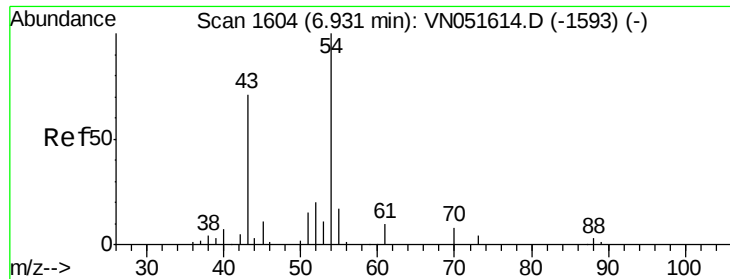
Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Tgt Ion:	43	Resp:	772760
Ion Ratio	Lower	Upper	
43	100		
86	9.7	6.6	9.8





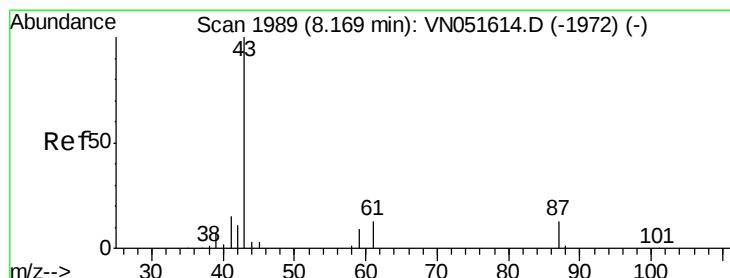
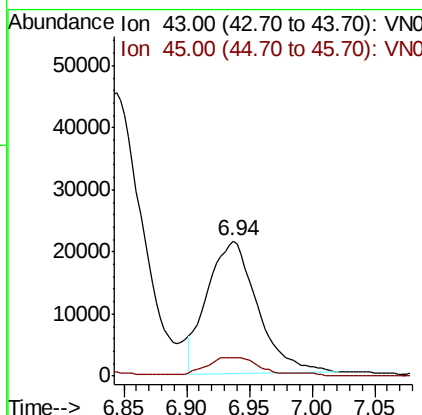
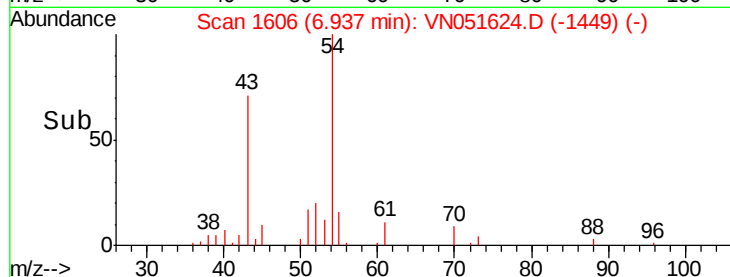
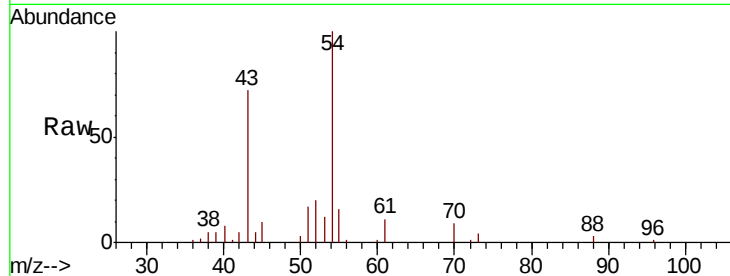
#43
Ethyl Acetate
Concen: 15.810 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 59675
Ion Ratio Lower Upper
43 100
45 13.9 10.6 16.0

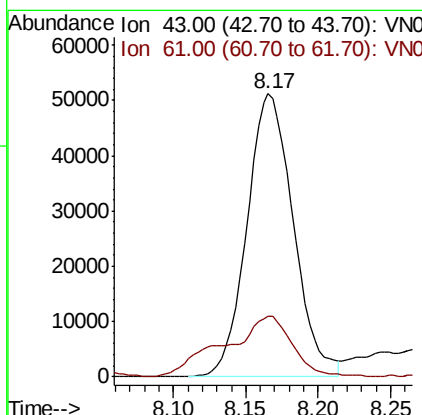
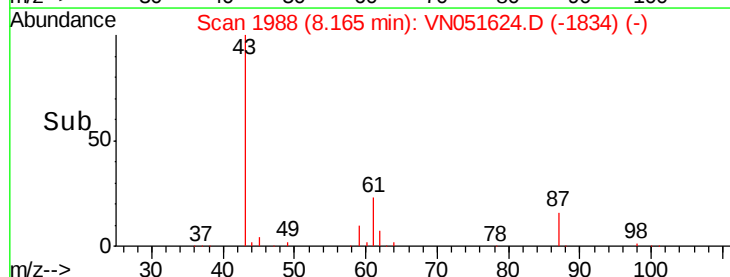
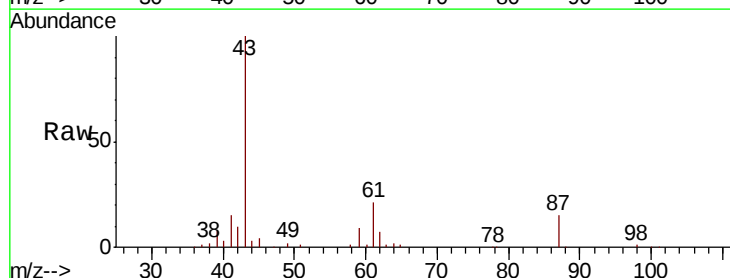
Manual Integrations
APPROVED

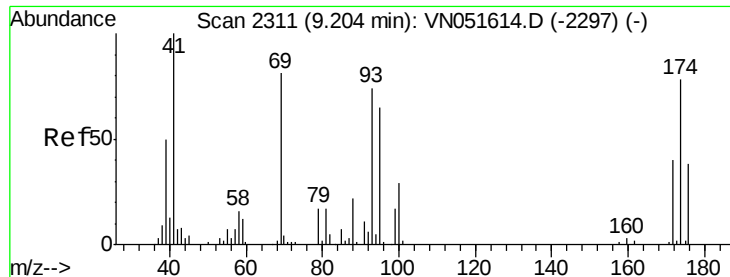
MMDadoda
10/3/2018 5:27:47 PM



#44
Isopropyl Acetate
Concen: 15.444 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 43 Resp: 114141
Ion Ratio Lower Upper
43 100
61 19.9 15.4 23.0





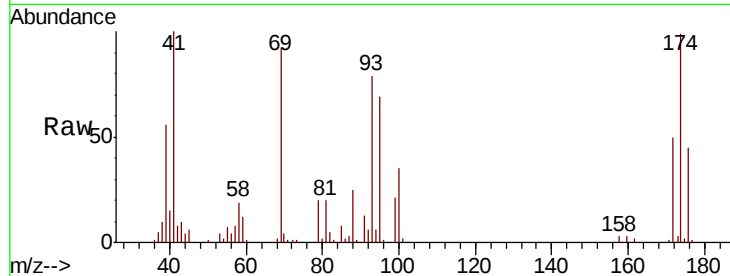
#45
 1,4-Dioxane
 Concen: 387.626 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

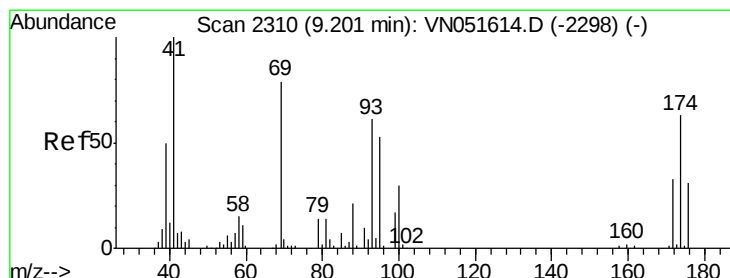
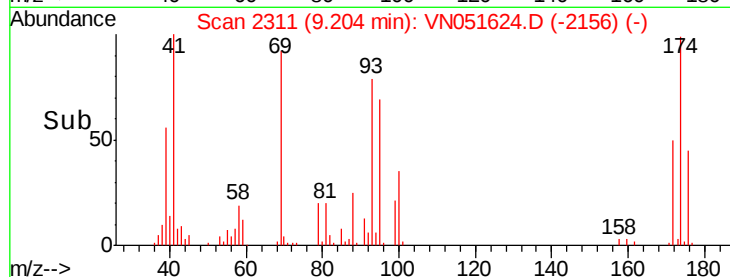
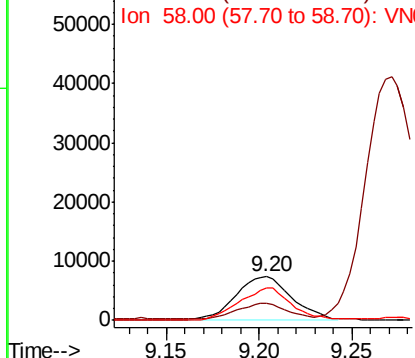
Tot Ion:	88	Resp:	15497
Ion	Ratio	Lower	Upper
88	100		
43	31.0	29.0	43.6
58	68.7	59.0	88.6

Manual Integrations
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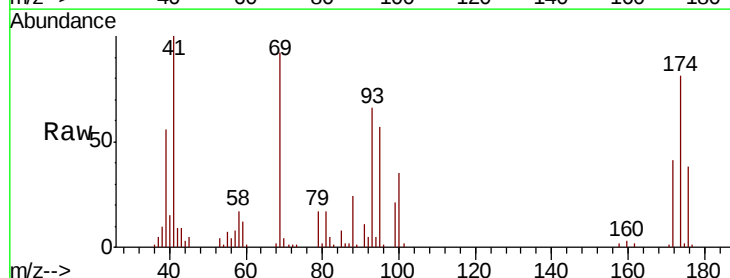


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

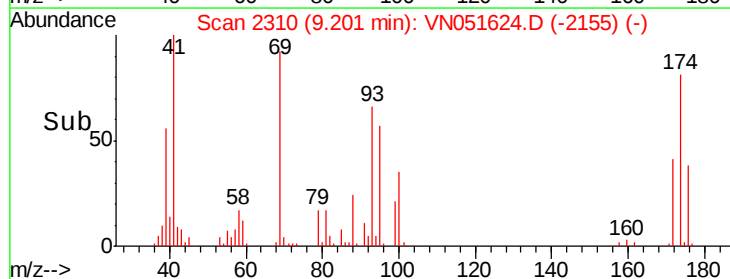
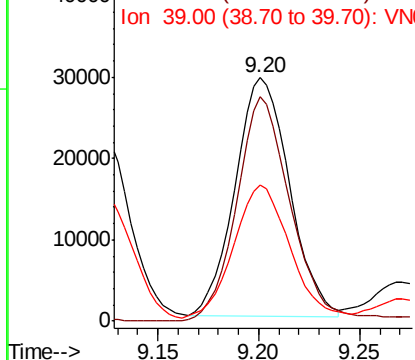


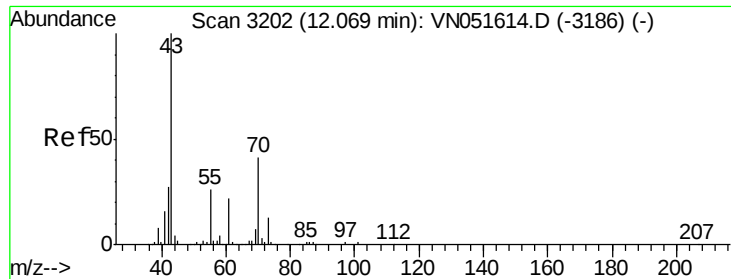
#46
 Methyl methacrylate
 Concen: 16.045 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion:	41	Resp:	55164
Ion	Ratio	Lower	Upper
41	100		
69	93.7	39.6	118.7
39	55.0	24.9	74.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





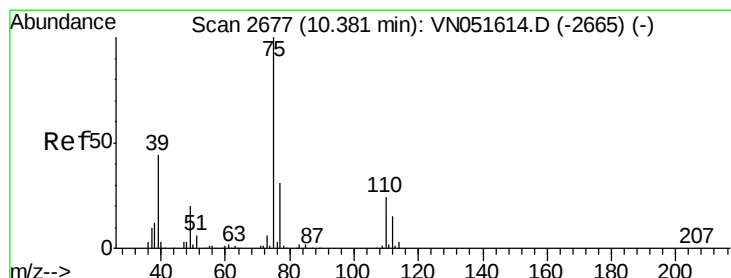
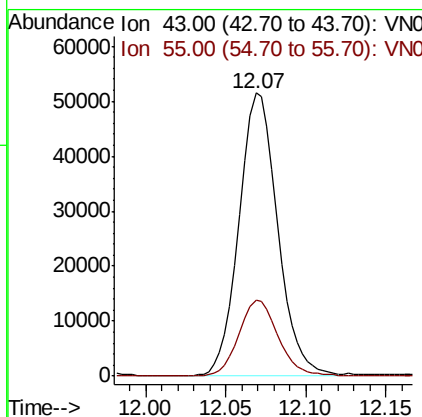
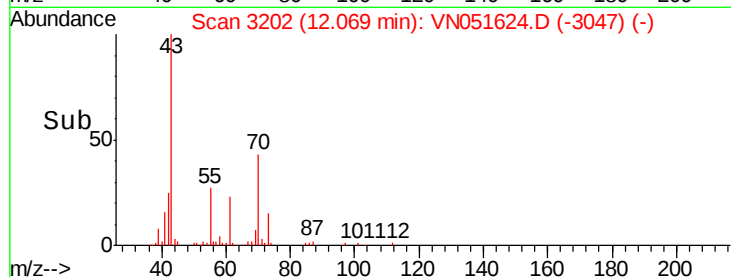
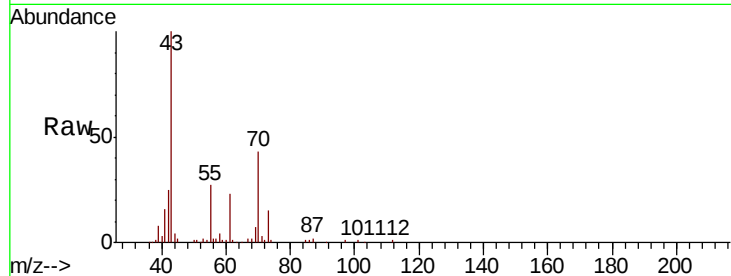
#47
n-amvl Acetate
Concen: 15.262 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Resp	84395
Ion Ratio	100	Lower	Upper
43	100	21.5	32.3
55	27.5		

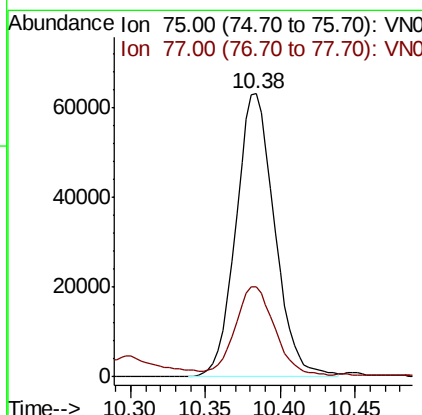
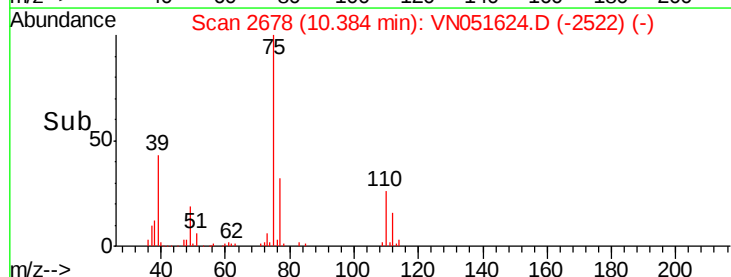
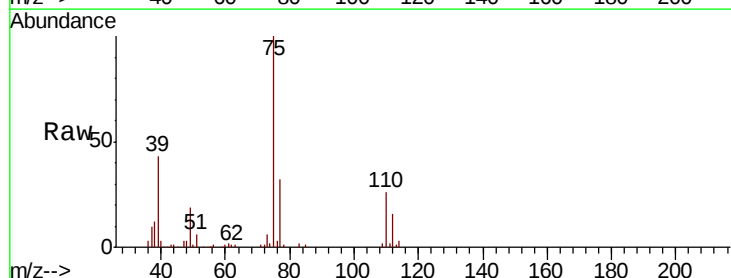
Manual Integrations
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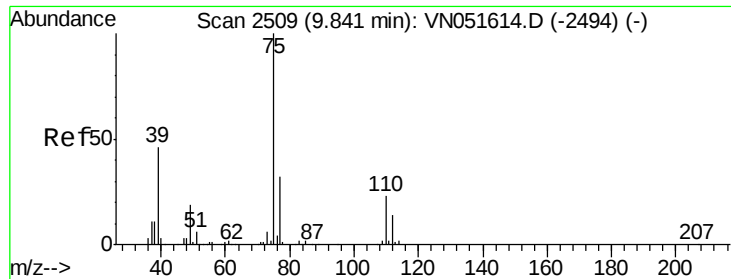
MMDadoda
10/3/2018 5:27:47 PM



#48
t-1,3-Dichloropropene
Concen: 17.689 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	75	Resp	114024
Ion Ratio	100	Lower	Upper
75	100	26.0	39.0
77	31.0		





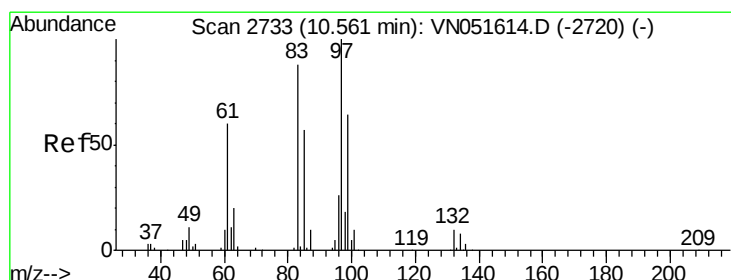
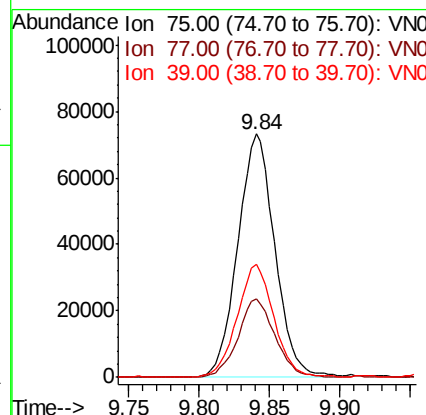
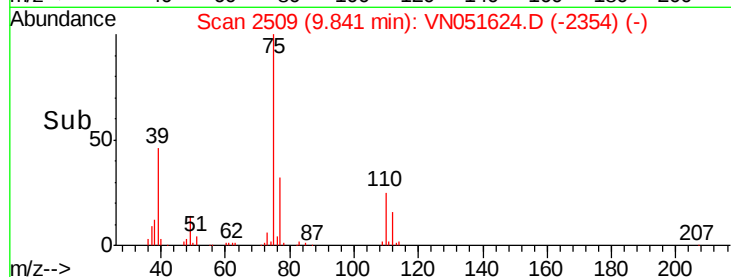
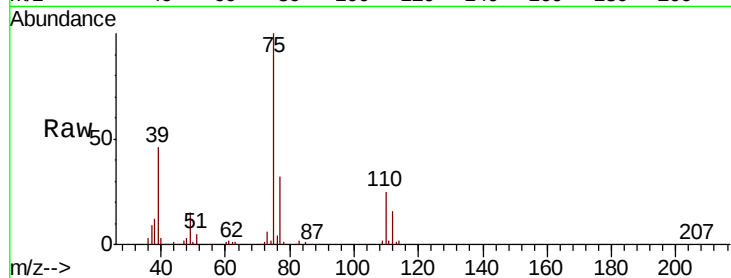
#49
 cis-1,3-Dichloropropene
 Concen: 17.878 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	46.3	36.6	55.0

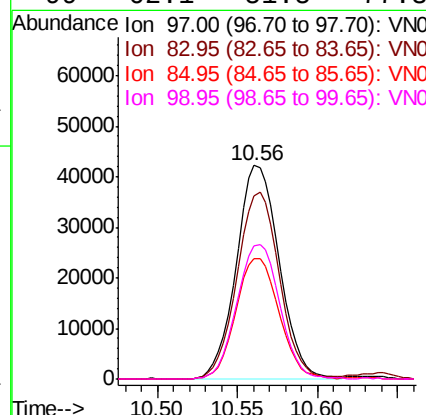
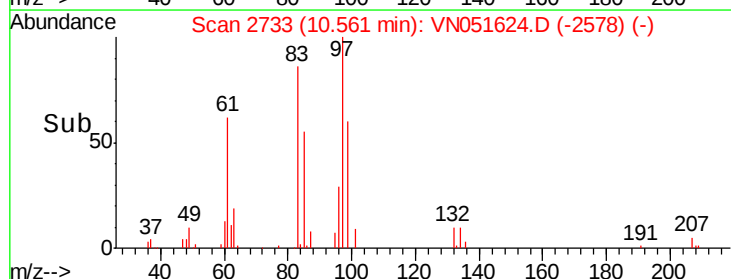
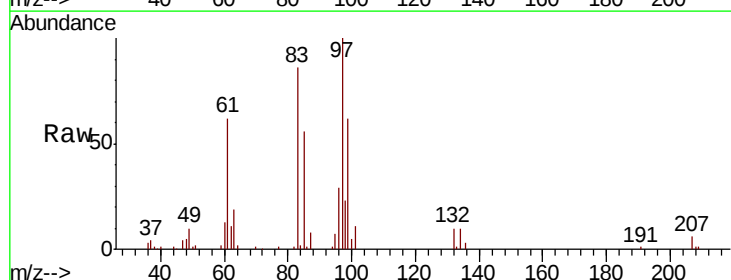
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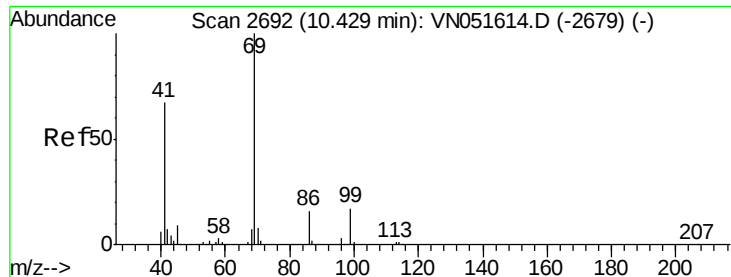
MMDadoda
 10/3/2018 5:27:47 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.520 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.2
85	56.2	45.6	68.4
99	62.1	51.5	77.3





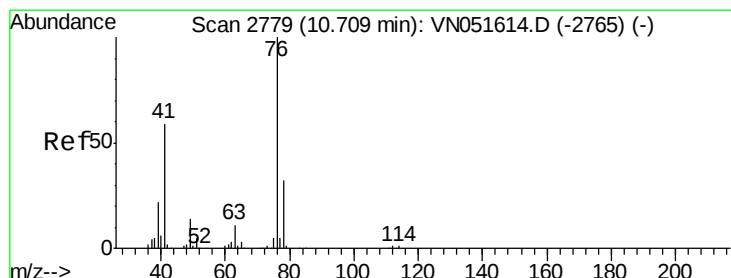
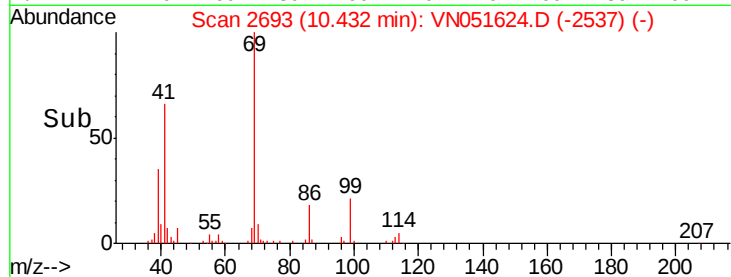
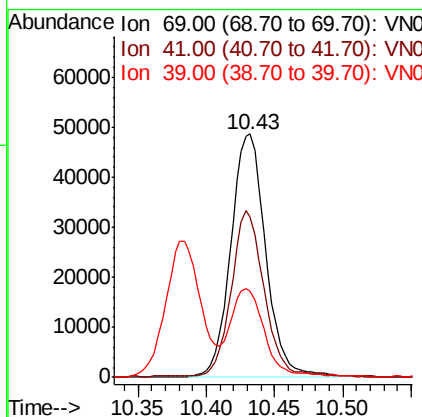
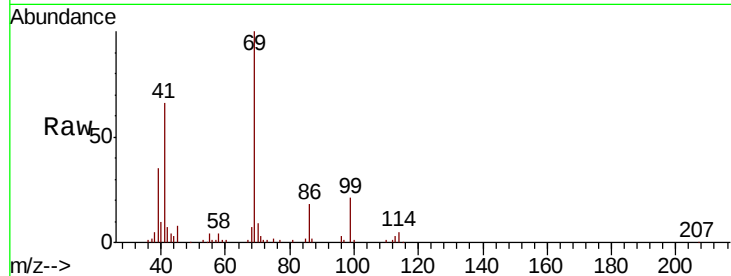
#51
Ethyl methacrylate
Concen: 17.102 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	65.6	33.3	99.8
39	34.6	17.2	51.6

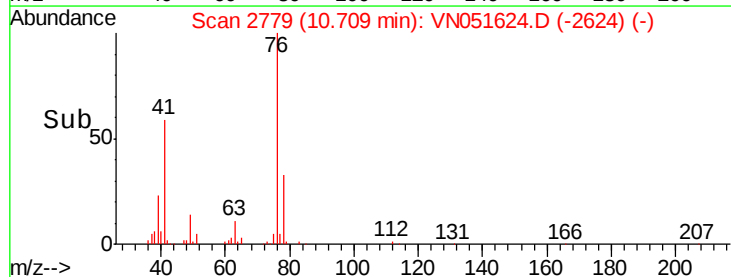
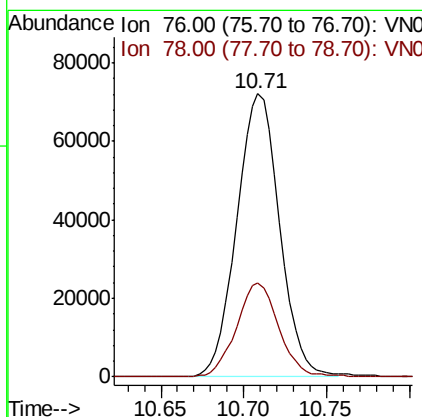
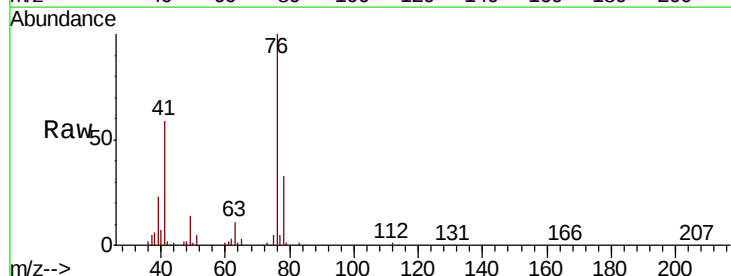
Manual Integrations
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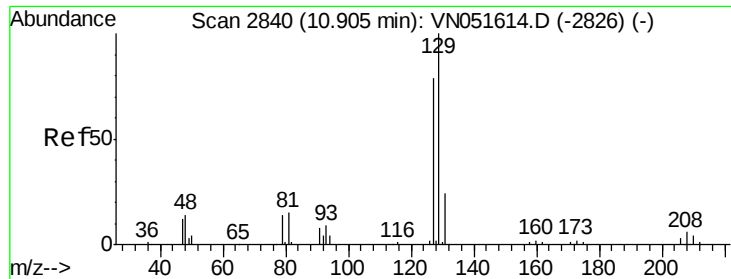
MMDadoda
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#52
1,3-Dichloropropane
Concen: 18.028 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	63.4





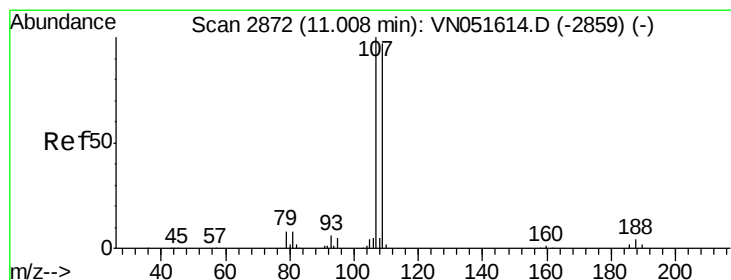
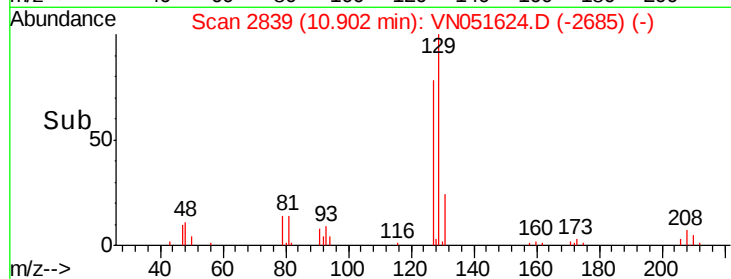
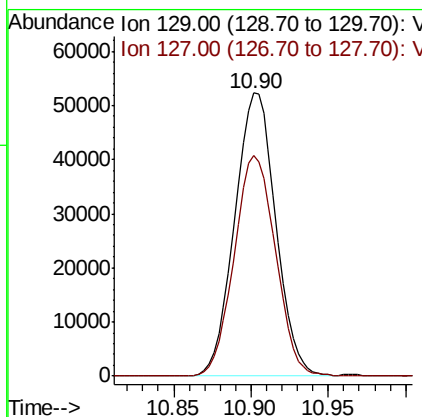
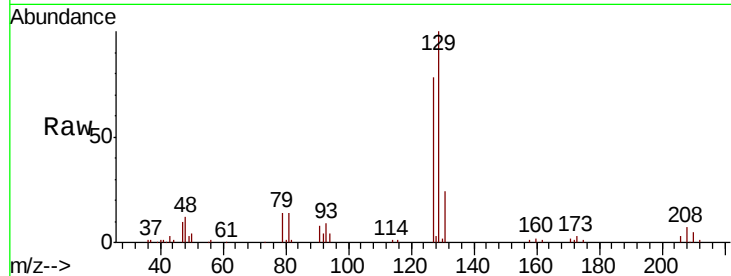
#53
 Dibromochloromethane
 Concen: 20.283 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		96595		
127	78.4	38.9	116.7		

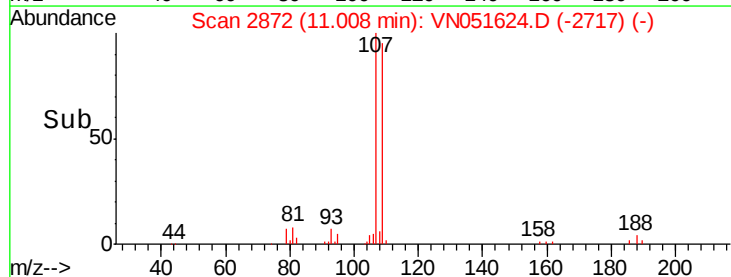
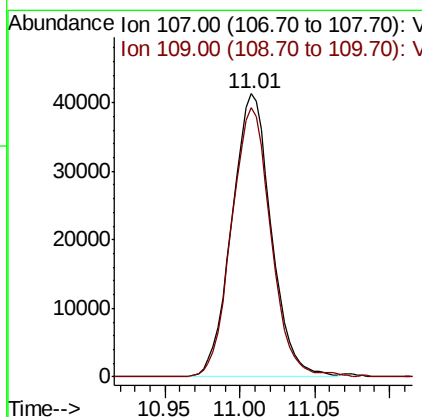
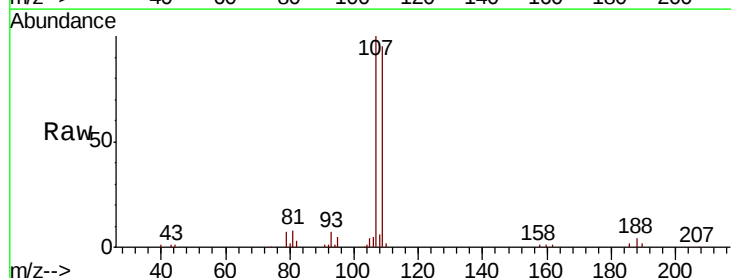
Manual Integrations
 APPROVED

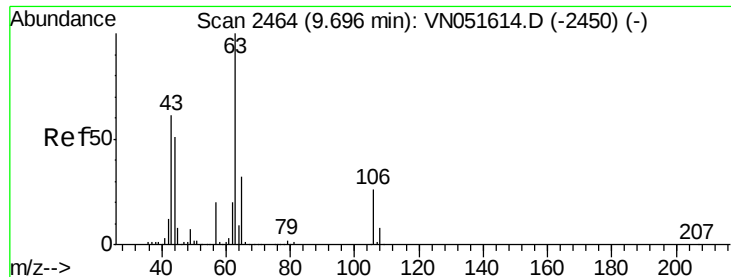
MMDadoda
 10/3/2018 5:27:47 PM



#54
 1,2-Dibromoethane
 Concen: 18.897 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		75817		
109	94.3	76.5	114.7		





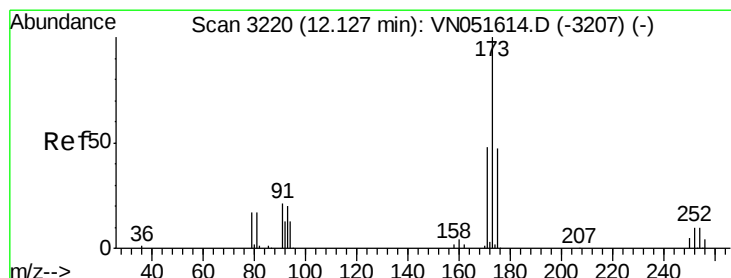
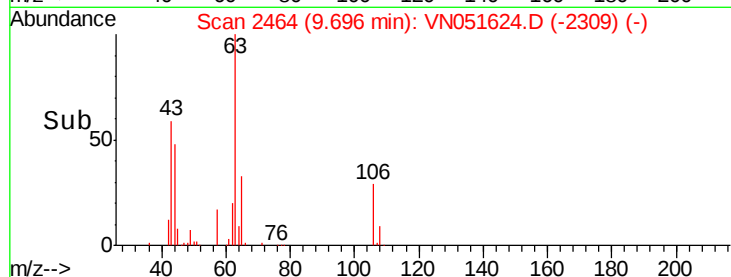
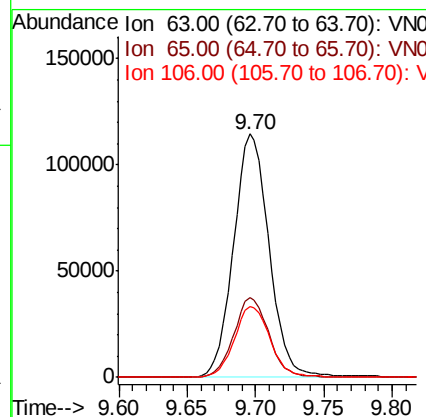
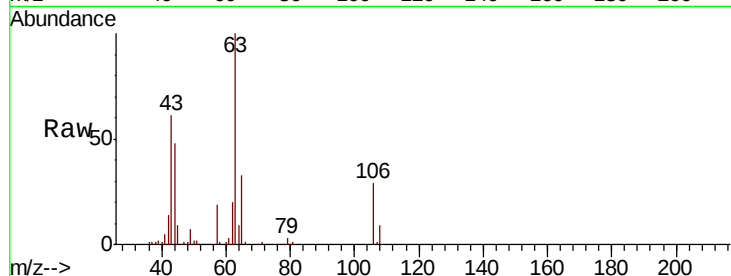
#55
2-Chloroethyl vinyl ether
Concen: 82.698 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.8	38.6
106	29.5	20.4	30.6

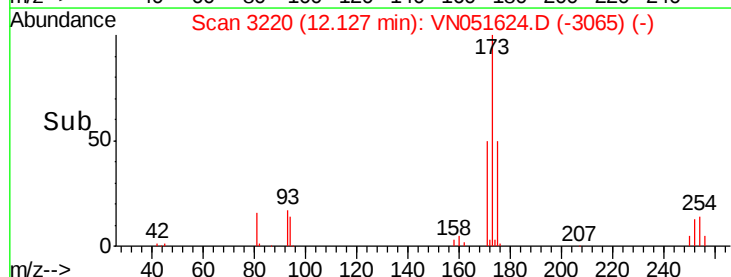
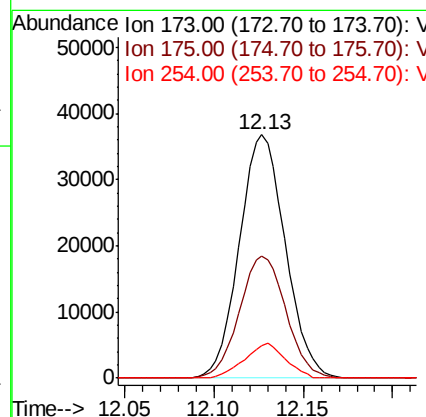
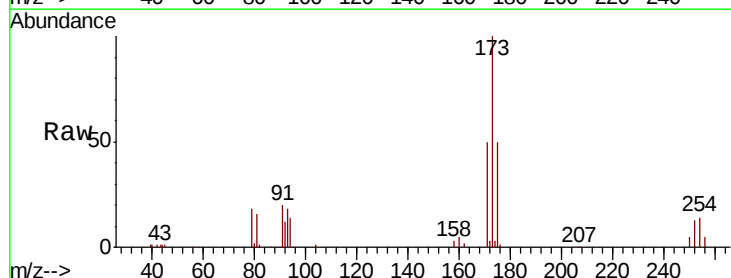
Manual Integrations
APPROVED

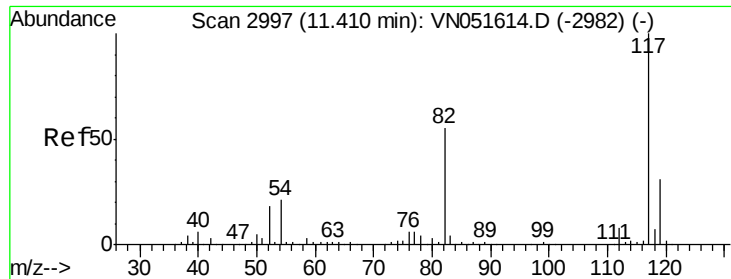
MMDadoda
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#56
Bromoform
Concen: 20.895 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.7	39.0	58.4
254	12.6	8.7	13.1





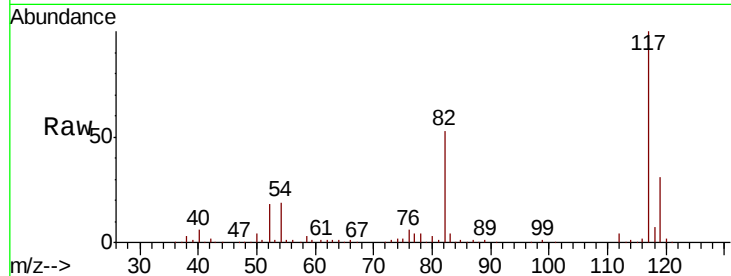
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.2	66.2
119	31.6	25.2	37.8

Manual Integrations
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MMDadoda
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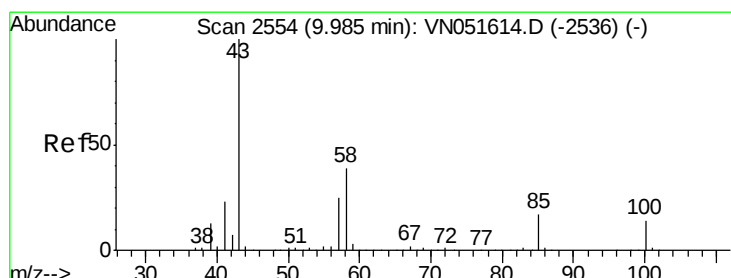
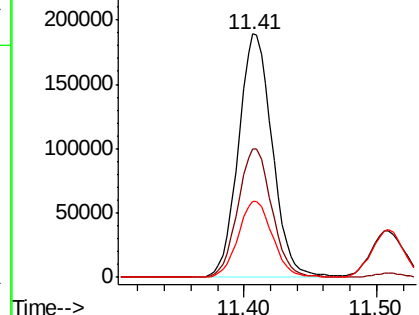
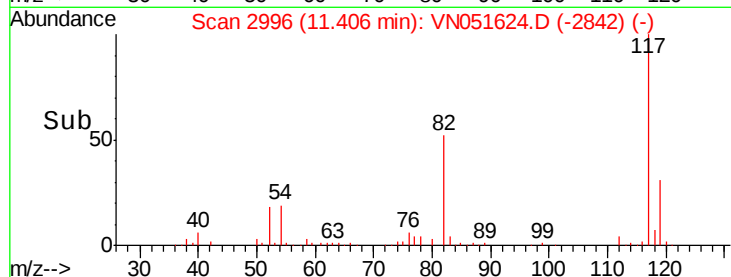


Abundance

Ion 117.00 (116.70 to 117.70): V

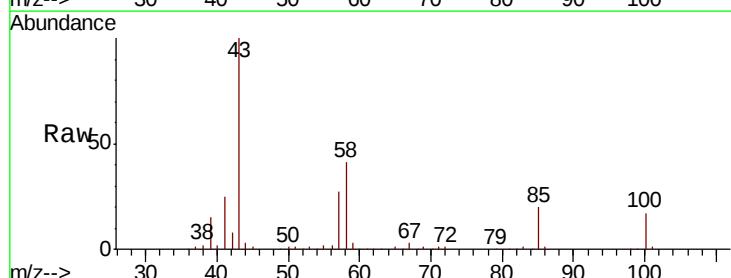
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 80.774 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.0	46.4
85	19.7	13.4	20.2

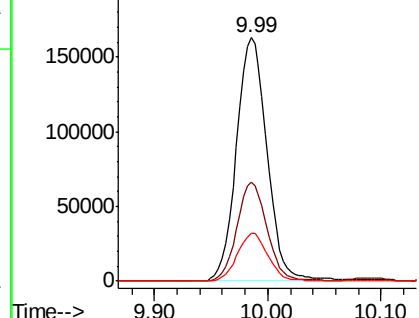
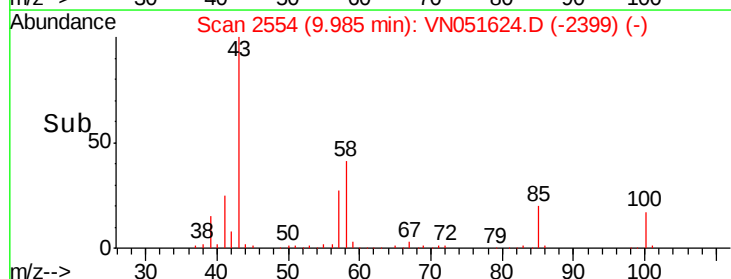


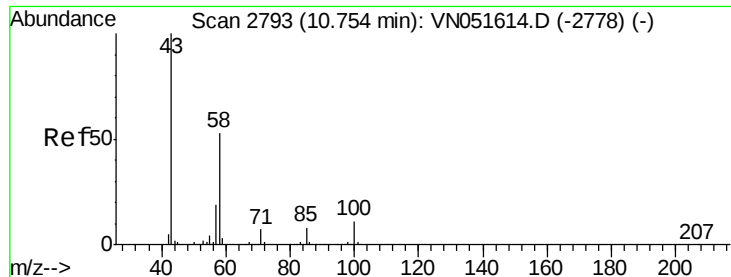
Abundance

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





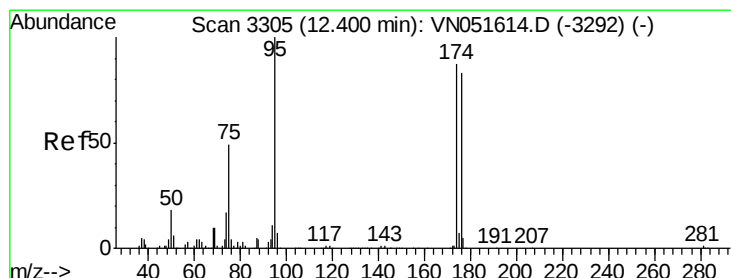
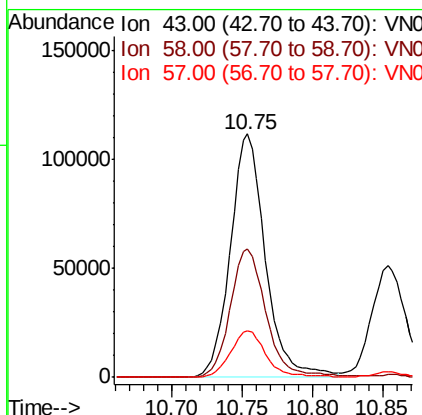
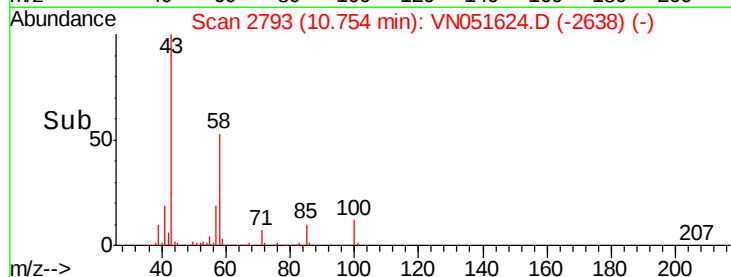
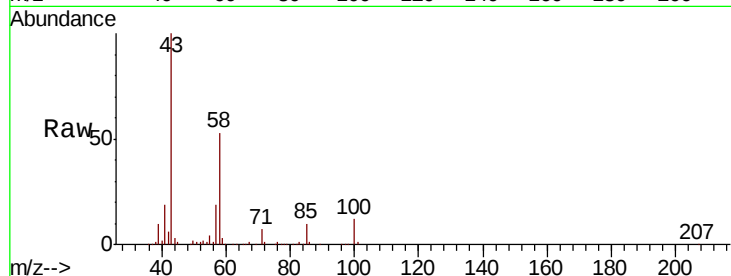
#59
2-Hexanone
Concen: 76.998 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	41.5	62.3
57	19.7	14.2	21.4

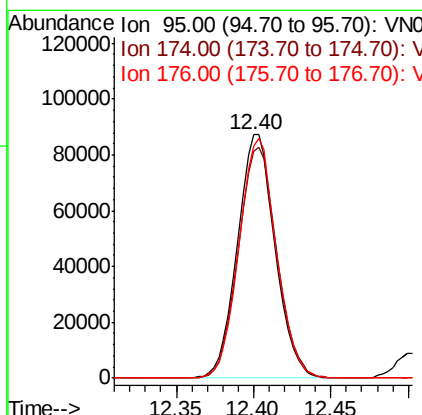
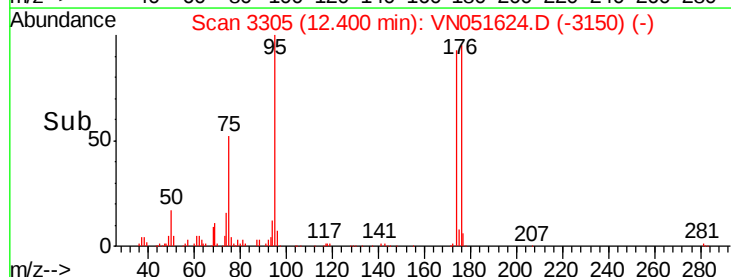
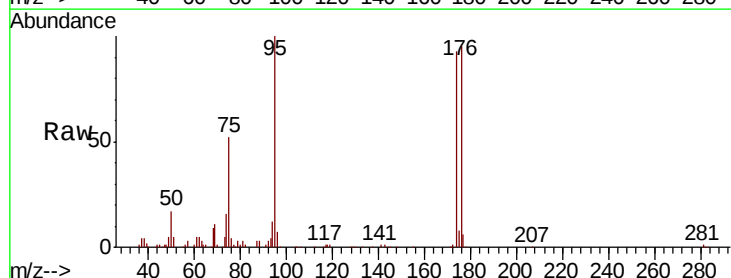
Manual Integrations
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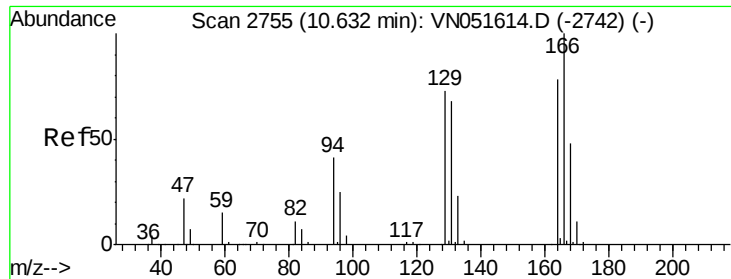
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 76.998 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.0	71.2	106.8
176	97.6	67.8	101.8





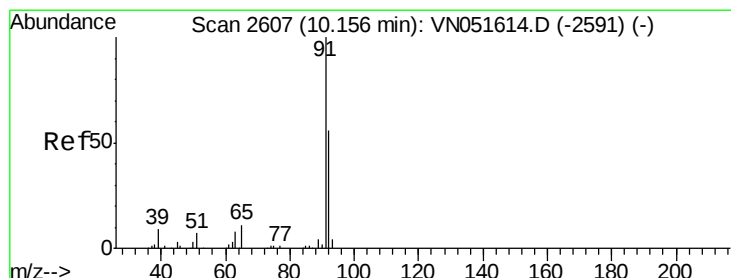
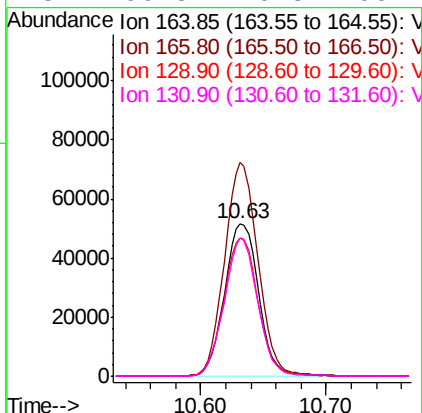
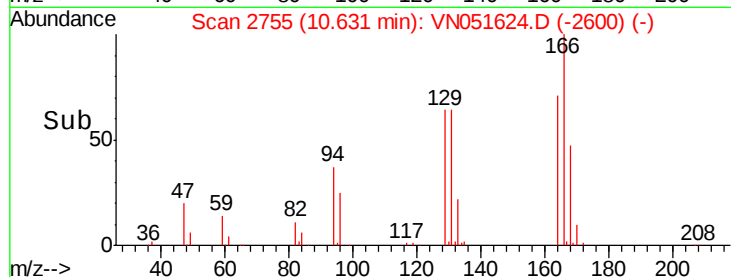
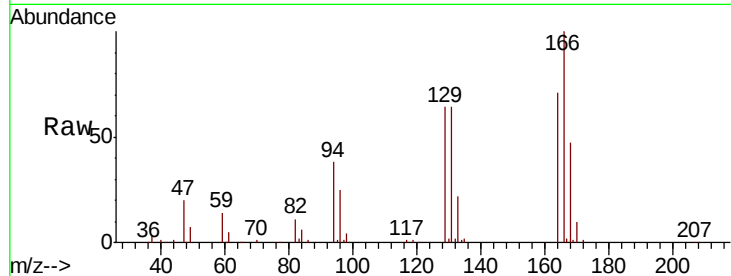
#61
Tetrachloroethene
Concen: 20.523 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	140.0	103.1	154.7
129	90.3	75.3	112.9
131	90.3	70.8	106.2

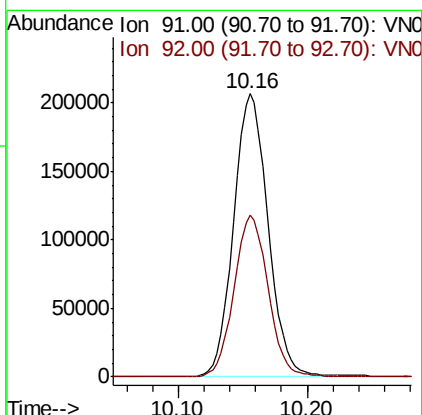
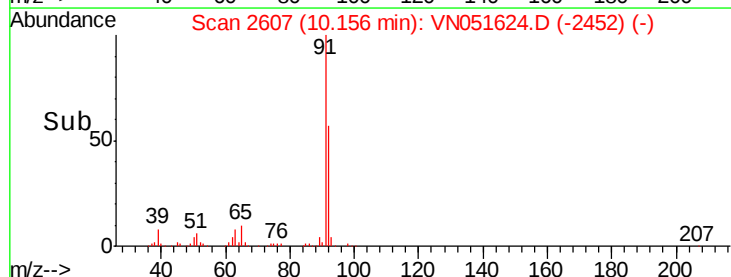
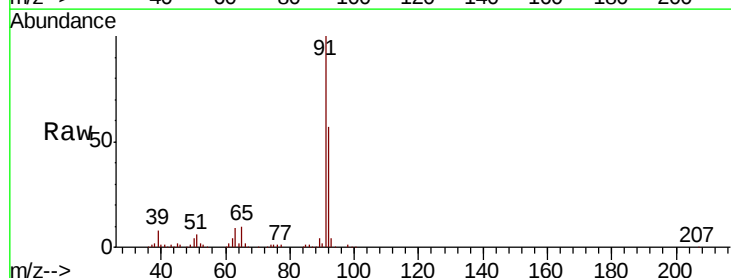
Manual Integrations
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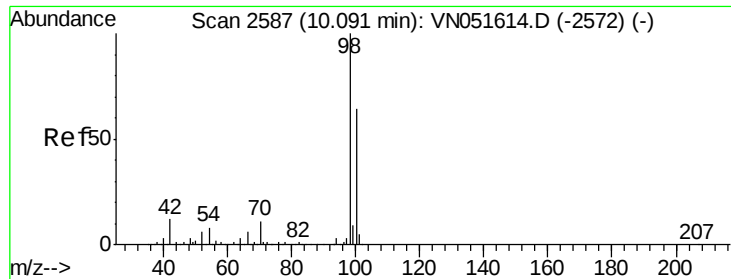
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#62
Toluene
Concen: 18.656 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.7	45.3	67.9





#63

Toluene-d8

Concen: 18.656 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 458930

Ion Ratio Lower Upper

98 100

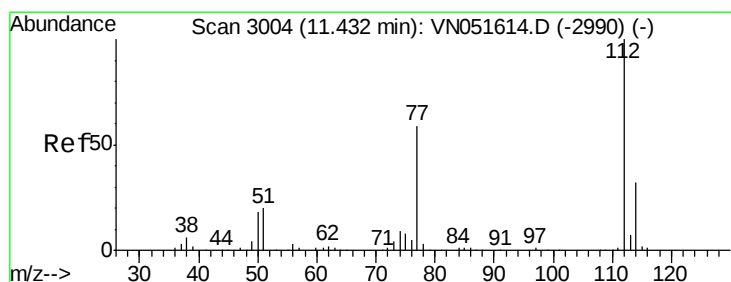
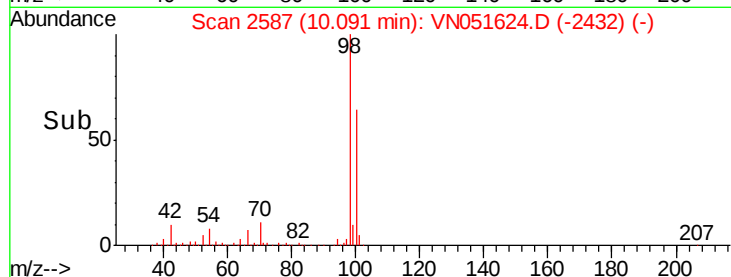
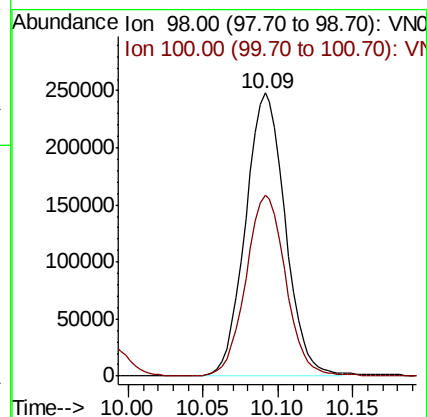
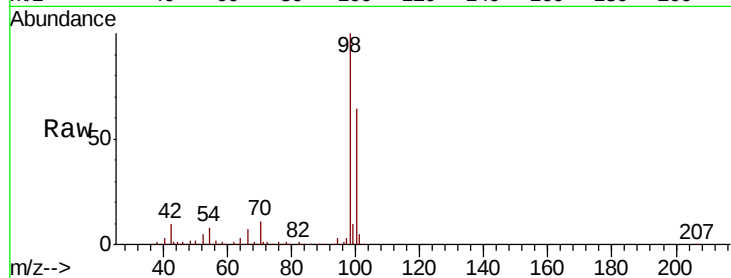
100 64.2 51.4 77.0

Manual Integrations

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#64

Chlorobenzene

Concen: 19.377 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051624.D

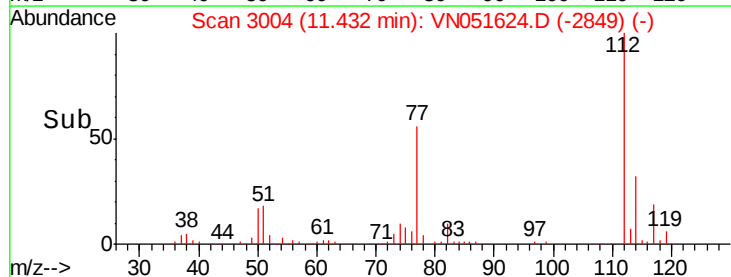
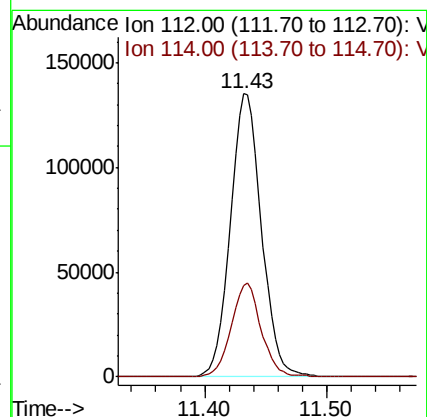
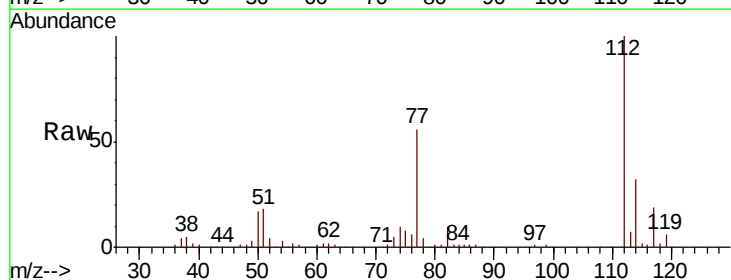
Acq: 28 Sep 2018 19:12

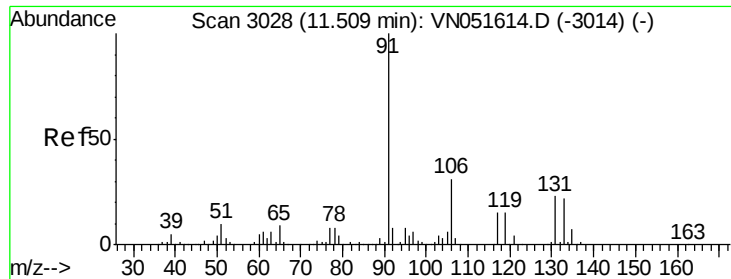
Tgt Ion: 112 Resp: 240870

Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 21.228 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

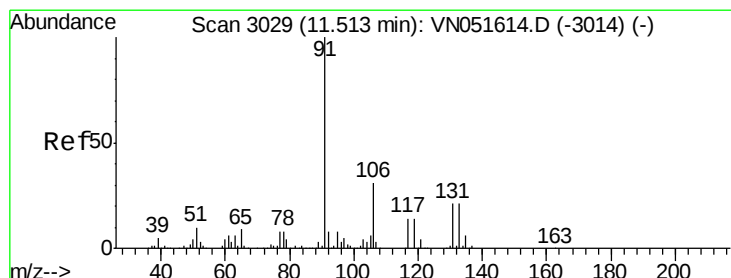
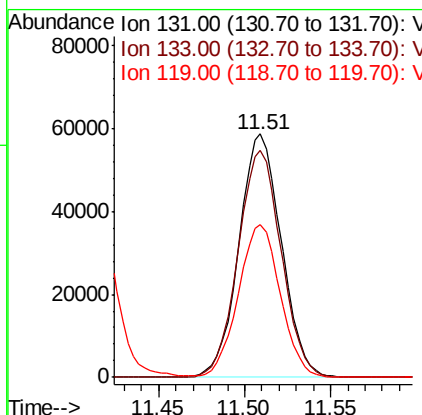
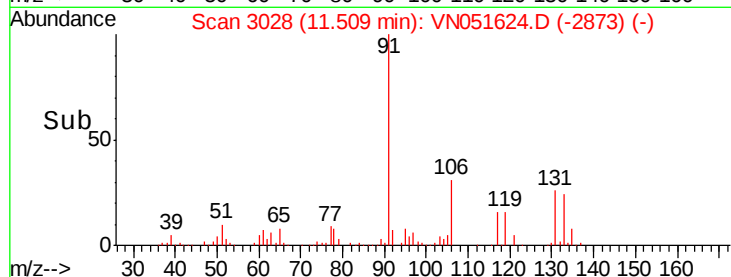
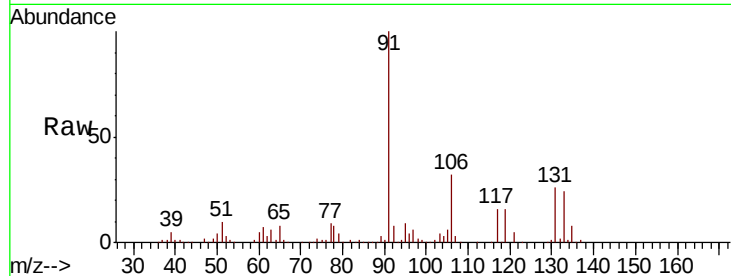
ClientSampled :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100	100764		
133	94.8	0.0	193.0	
119	62.3	0.0	135.0	

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#66

Ethyl Benzene

Concen: 18.667 ug/l

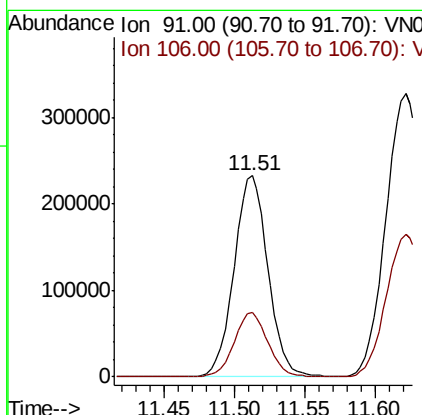
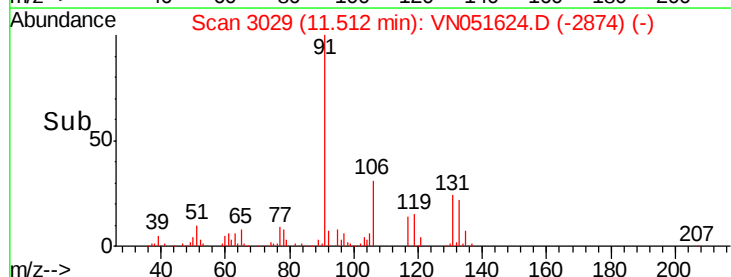
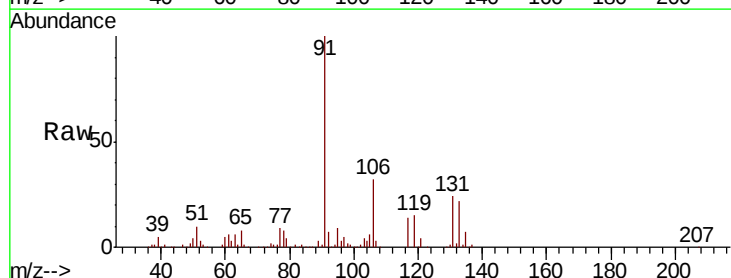
RT: 11.51 min Scan# 3029

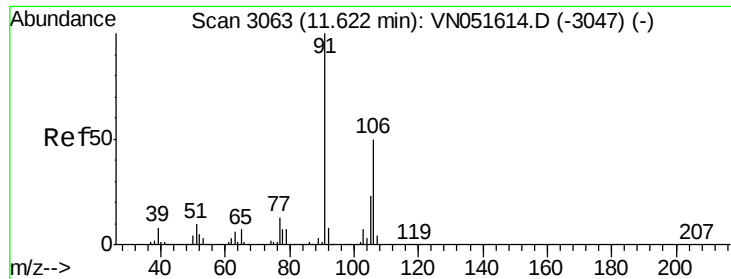
Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	392798		
106	32.0	25.0	37.4	





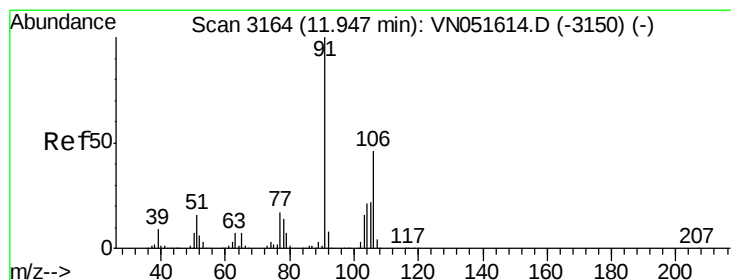
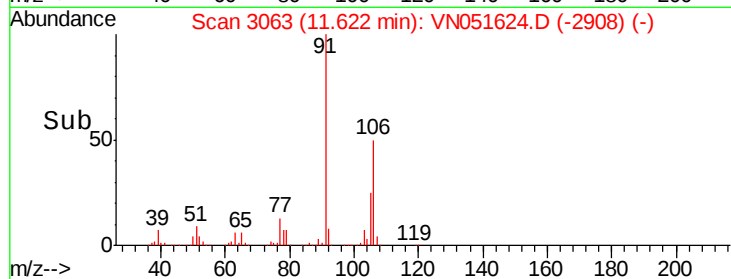
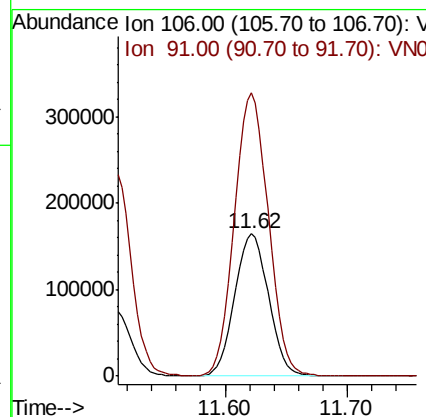
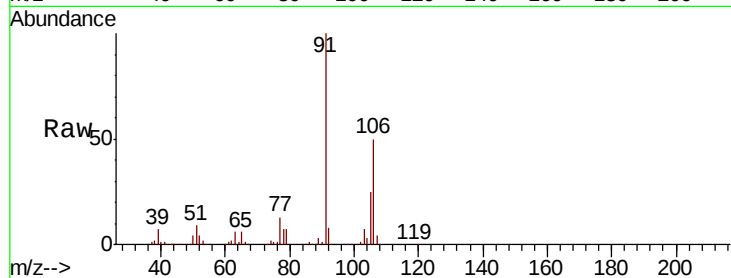
#67
m/p-Xylenes
Concen: 39.155 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	317535		
91	91	200.2	161.5	242.3	

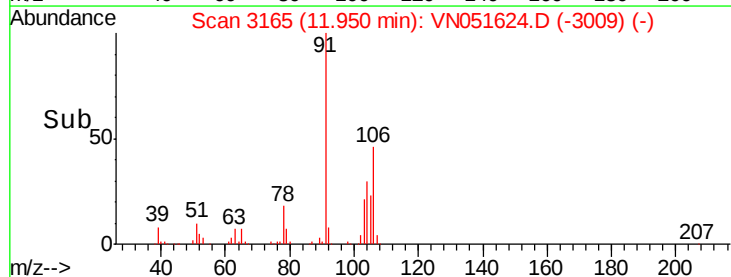
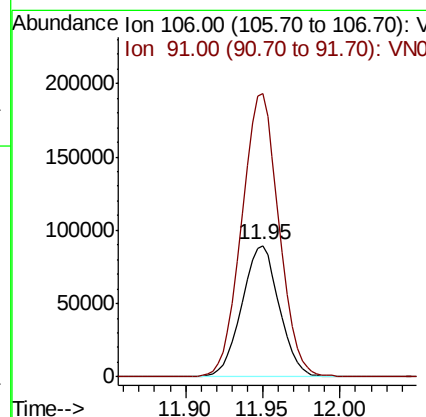
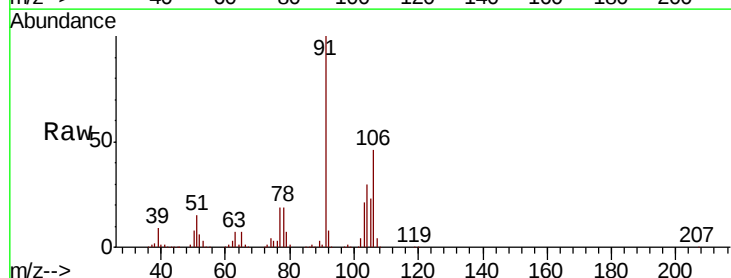
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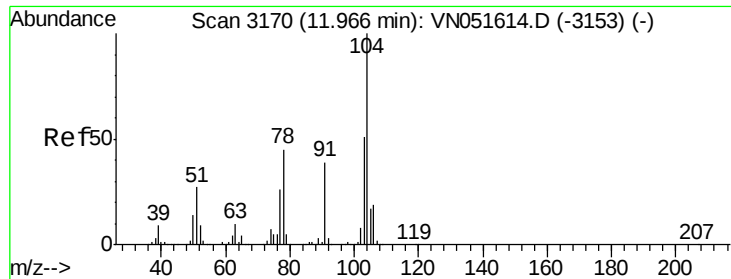
MMDadoda
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#68
o-Xylene
Concen: 19.466 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	150698		
91	91	214.3	109.7	329.1	





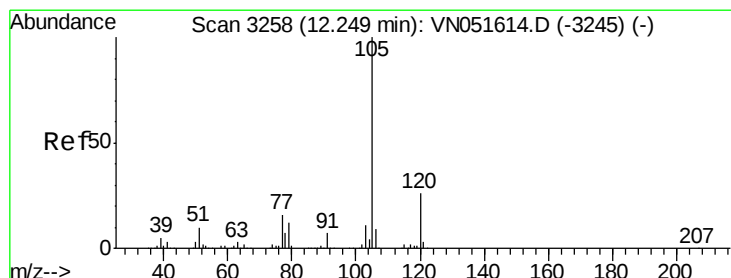
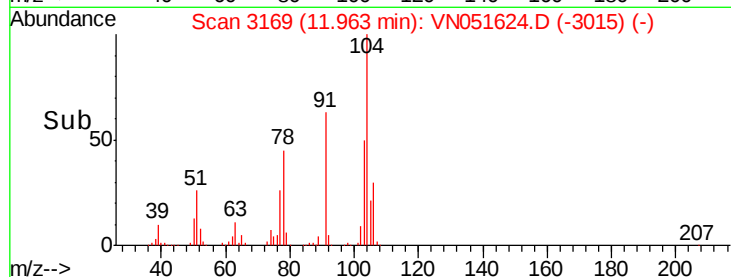
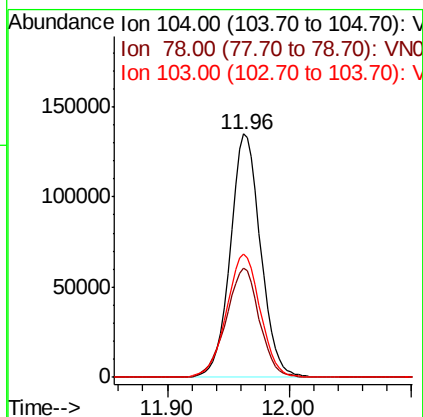
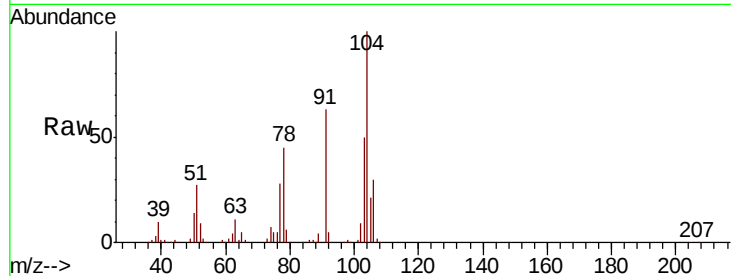
#69
Stvrene
Concen: 19.200 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	40.3	60.5
103	56.4	45.7	68.5

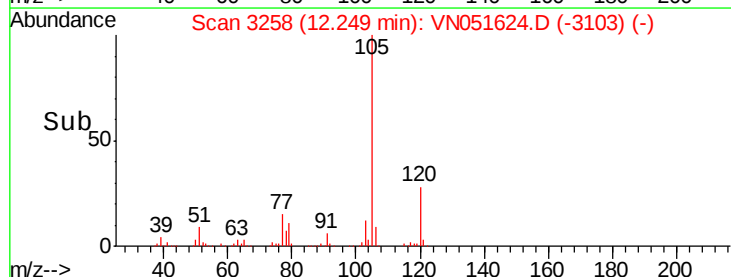
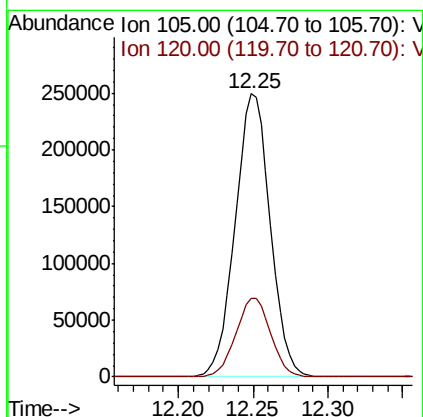
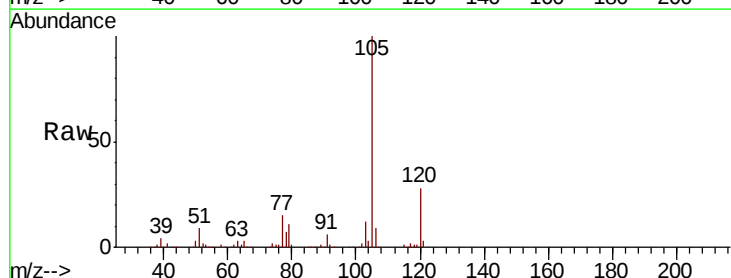
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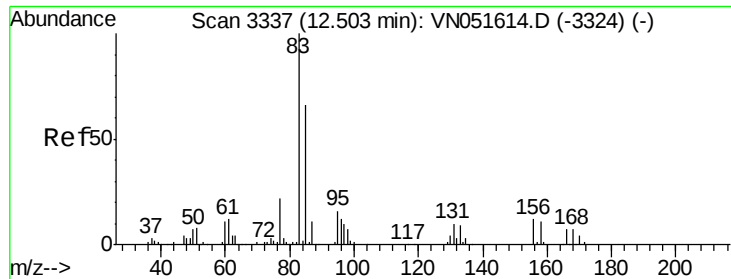
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#70
Isopropylbenzene
Concen: 19.672 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	18.7	34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 18.080 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 90328

Ion Ratio Lower Upper

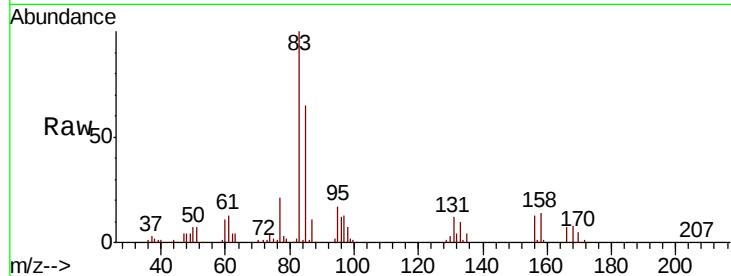
83 100

131 11.9 5.2 15.6

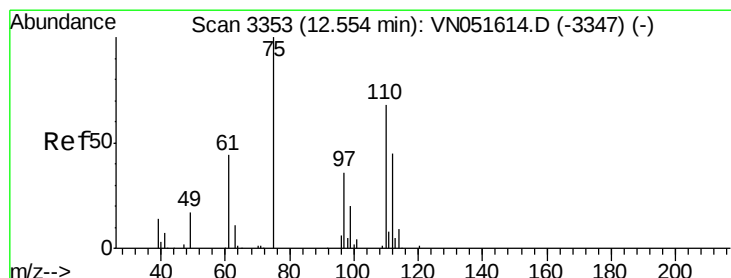
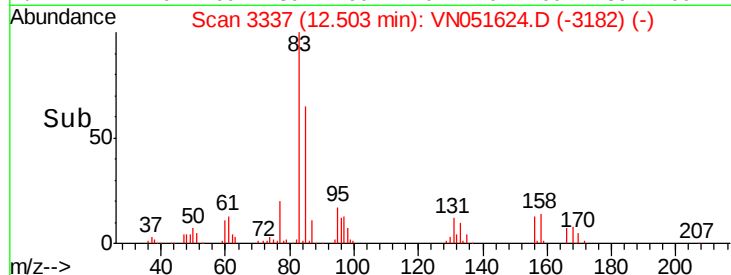
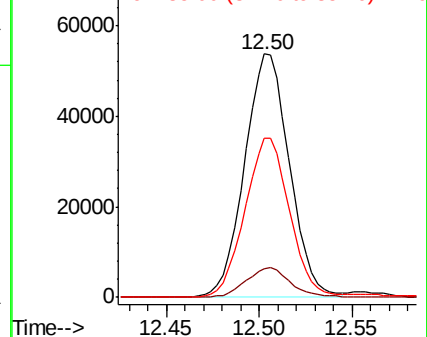
85 65.2 32.0 96.2

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Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 131.00 (130.70 to 131.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#72

1,2,3-Trichloropropane

Concen: 18.233 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051624.D

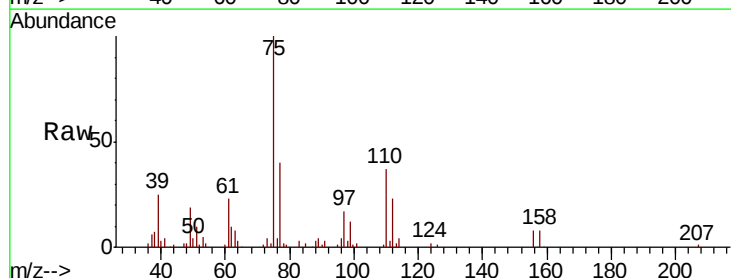
Acq: 28 Sep 2018 19:12

Tgt Ion: 75 Resp: 77881

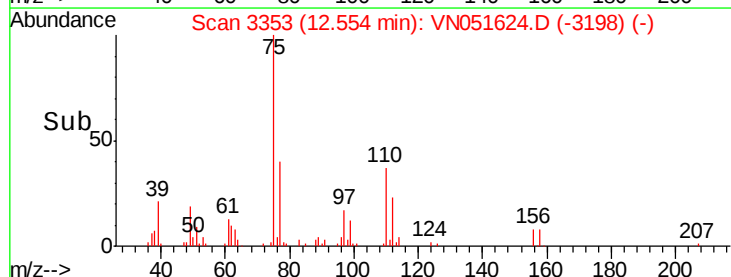
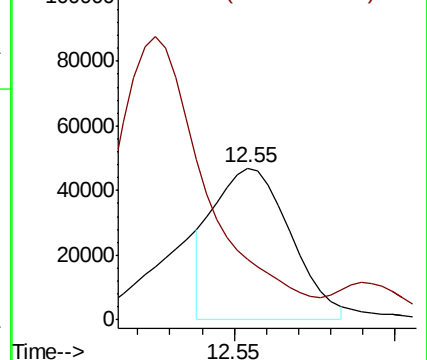
Ion Ratio Lower Upper

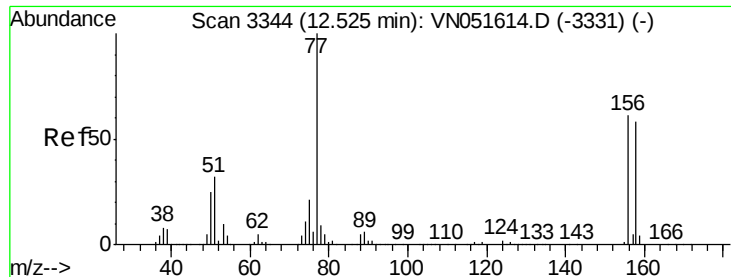
75 100

77 225.3 0.0 492.2



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





#73

Bromobenzene

Concen: 20.170 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

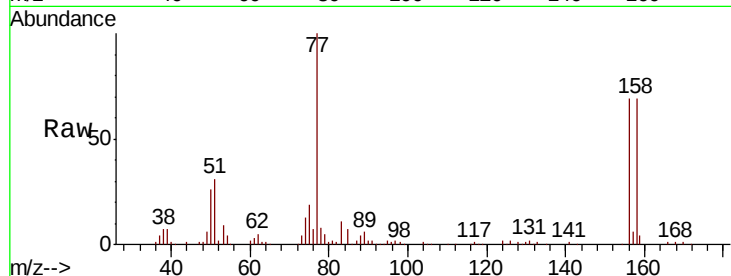
ClientSampleId :

VSTDCCC020EC

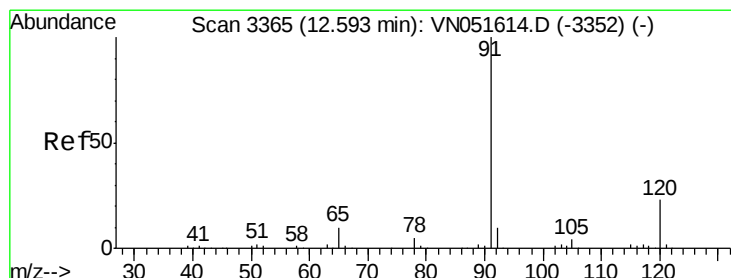
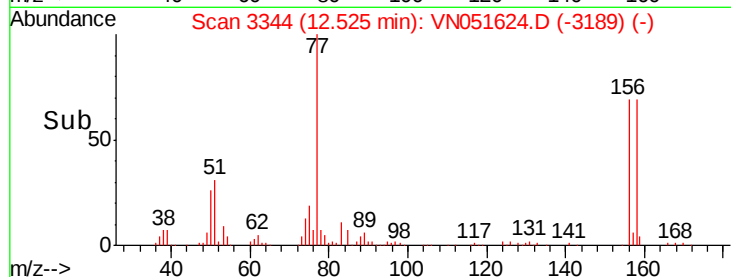
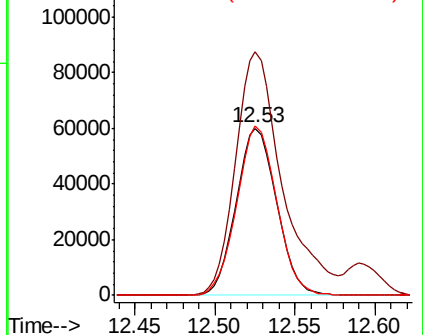
Tot Ion:	156	Resp:	103655
Ion Ratio	Lower	Upper	
156	100		
77	169.3	0.0	385.2
158	99.7	0.0	195.6

Manual Integrations
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.345 ug/l

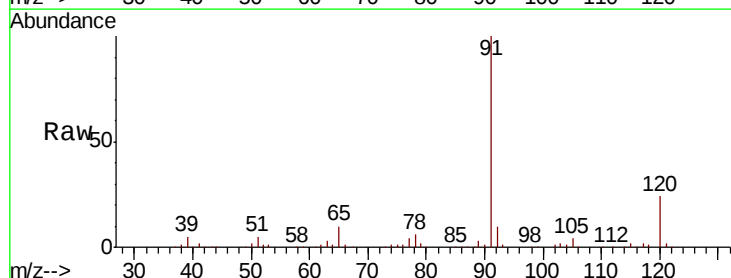
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

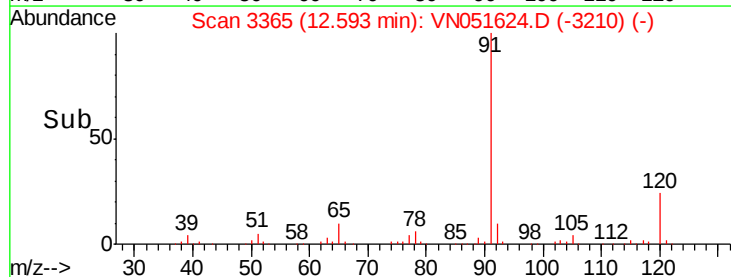
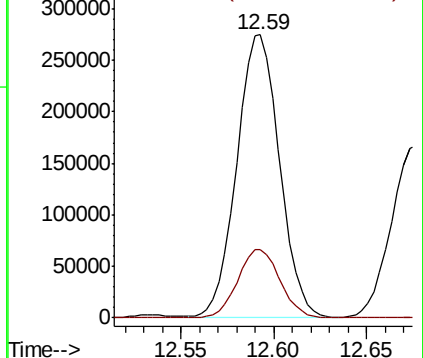
Lab File: VN051624.D

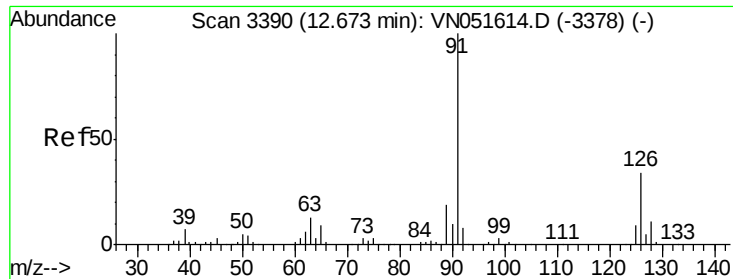
Acq: 28 Sep 2018 19:12

Tgt Ion:	91	Resp:	441004
Ion Ratio	Lower	Upper	
91	100		
120	24.0	0.0	45.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.080 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 273899

Ion Ratio Lower Upper

91 100

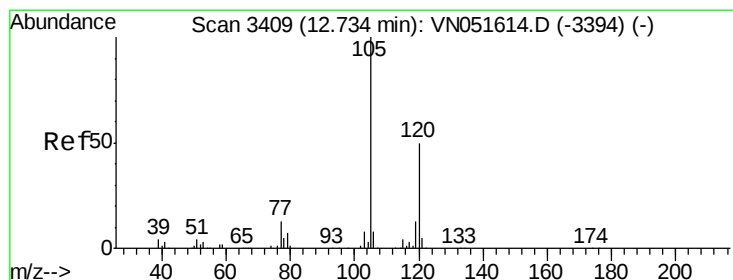
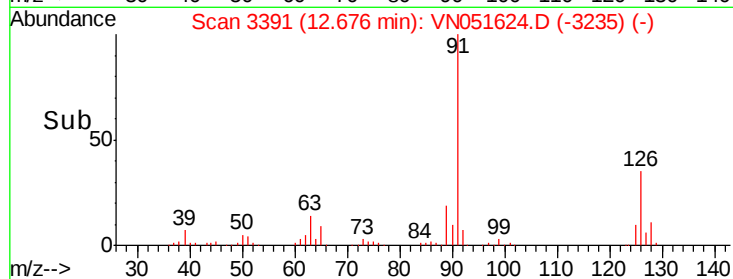
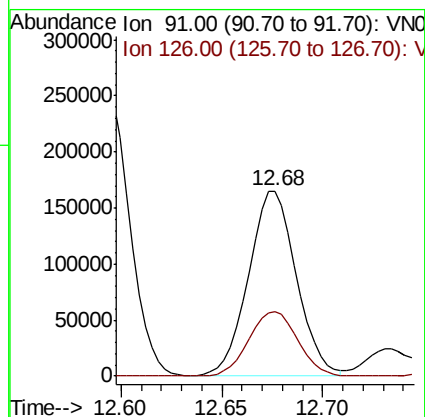
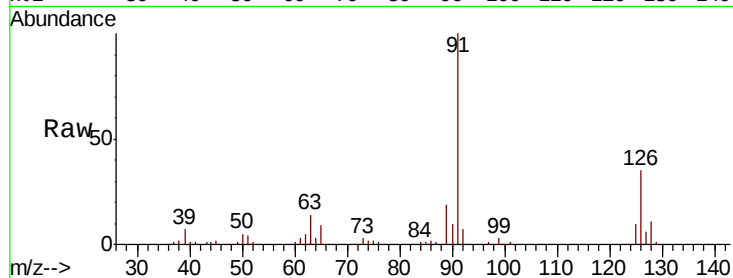
126 35.8 0.0 69.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.920 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN051624.D

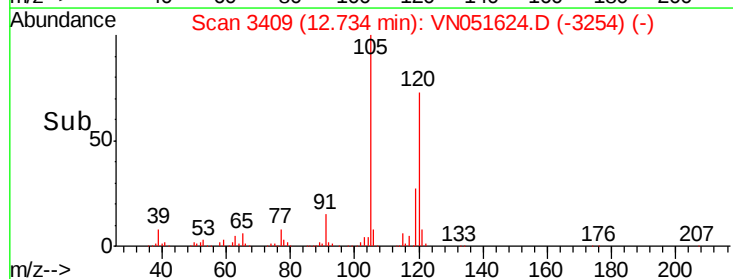
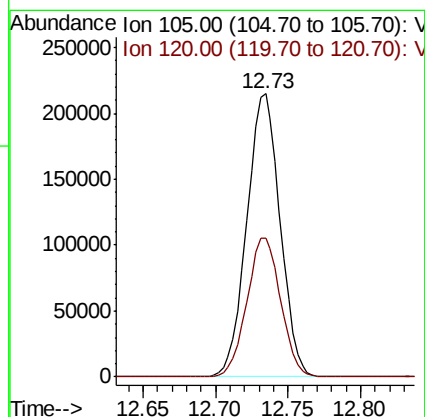
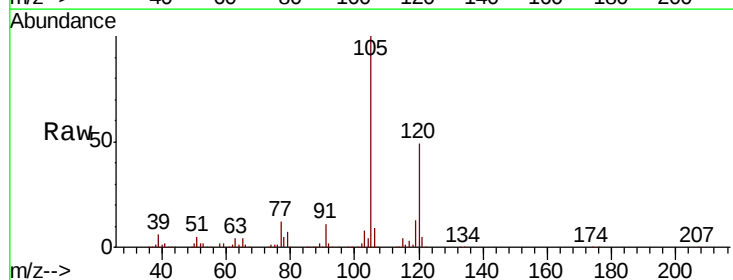
Acq: 28 Sep 2018 19:12

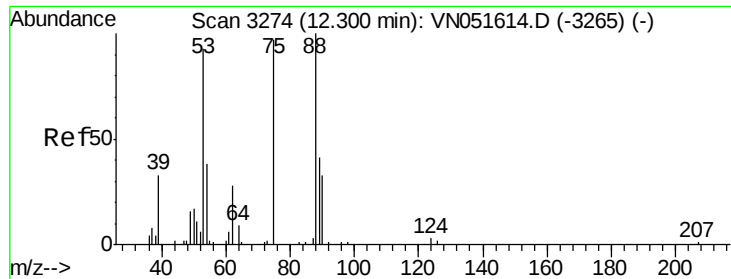
Tgt Ion: 105 Resp: 343723

Ion Ratio Lower Upper

105 100

120 49.7 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 16.130 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

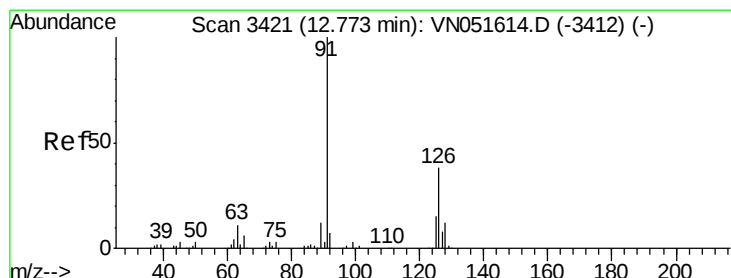
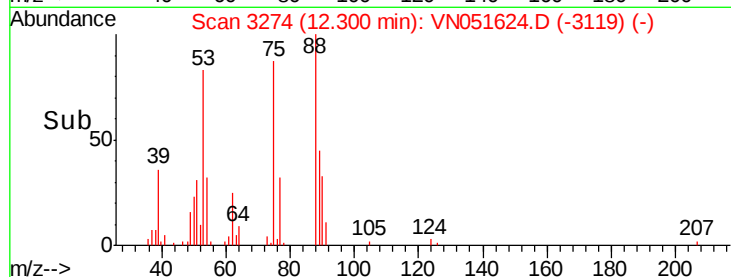
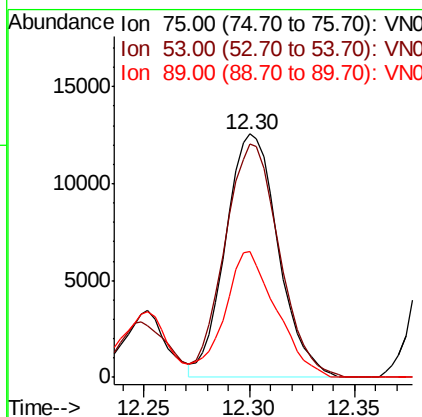
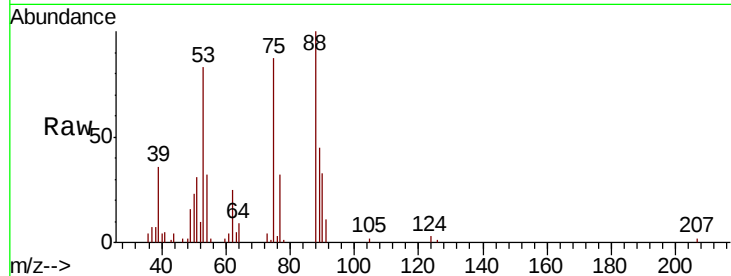
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	21821
Ion	Ratio	Lower	Upper
75	100		
53	94.8	48.1	144.4
89	51.5	22.4	67.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.560 ug/l

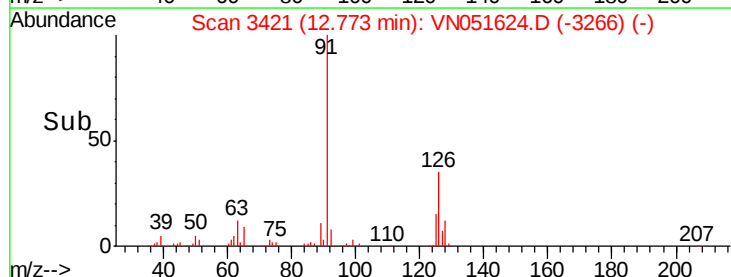
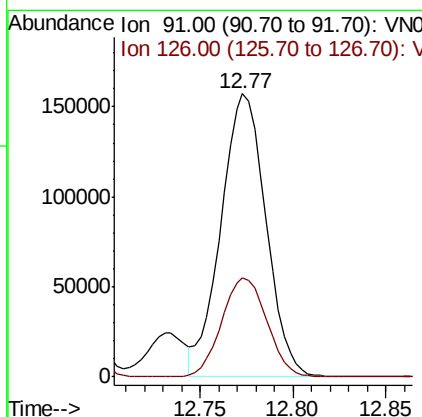
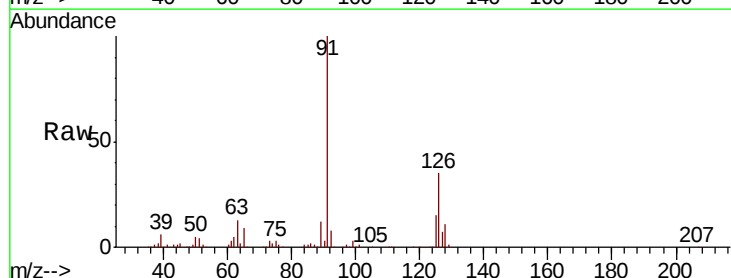
RT: 12.77 min Scan# 3421

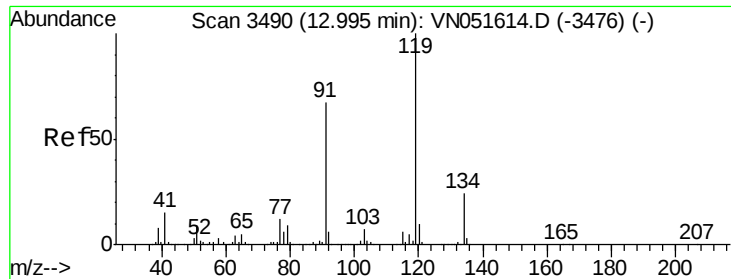
Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Tgt Ion:	91	Resp:	263181
Ion	Ratio	Lower	Upper
91	100		
126	35.2	0.0	68.6





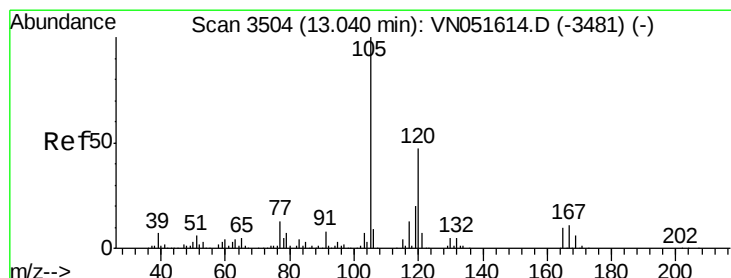
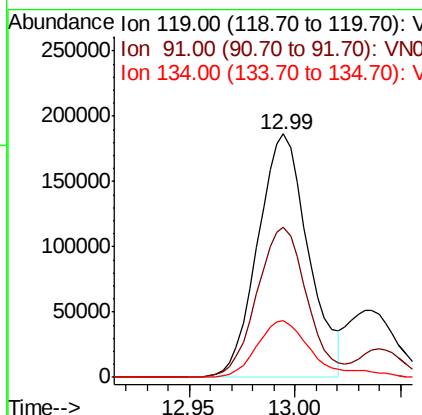
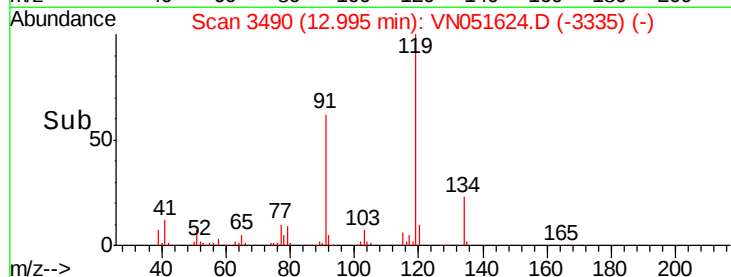
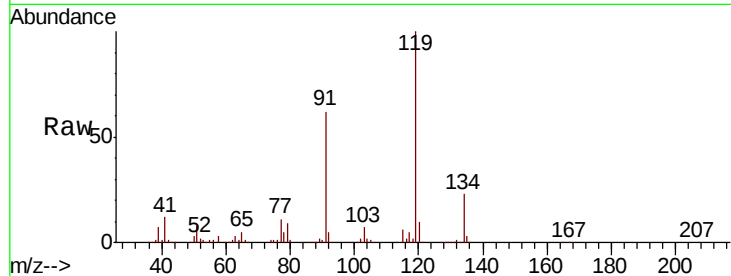
#79
tert-butylbenzene
Concen: 20.818 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	311207		
91	61.0	0.0	132.4	
134	23.9	0.0	48.4	

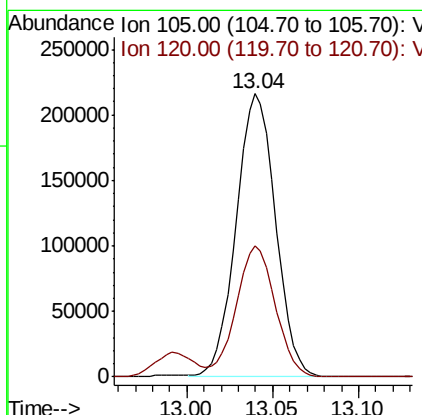
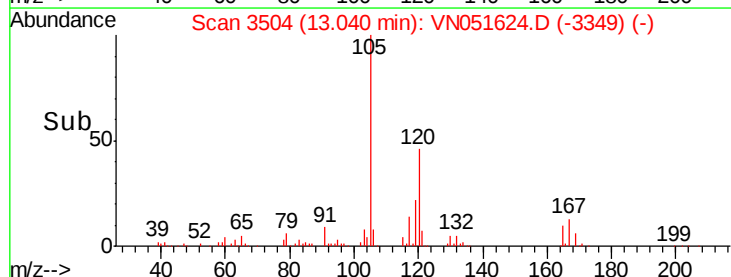
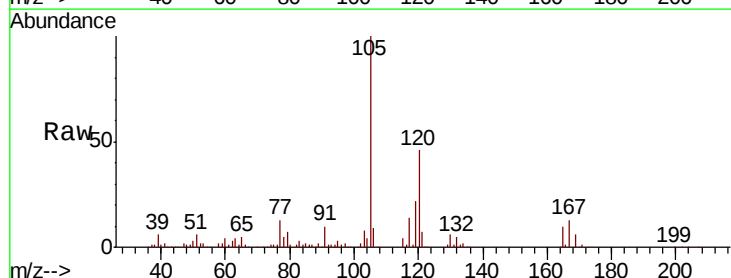
Manual Integrations
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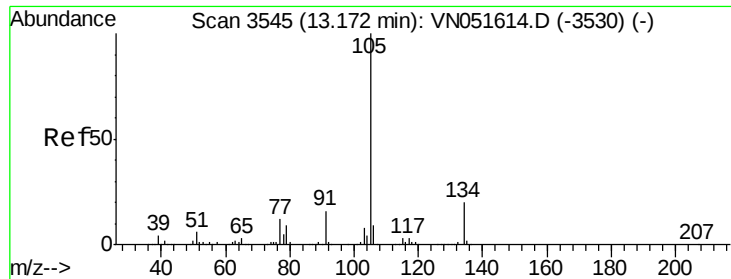
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.991 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	344544		
120	45.9	0.0	91.6	





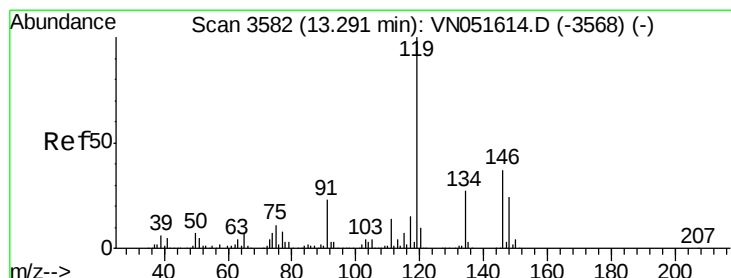
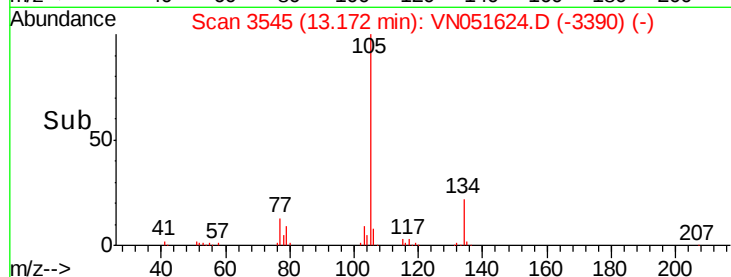
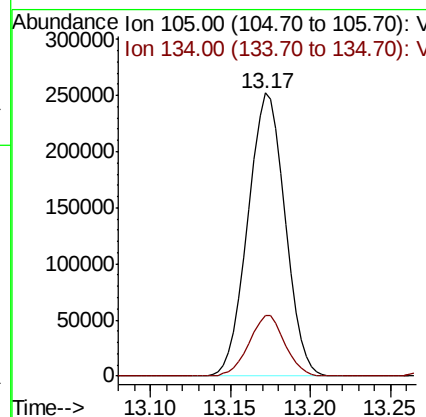
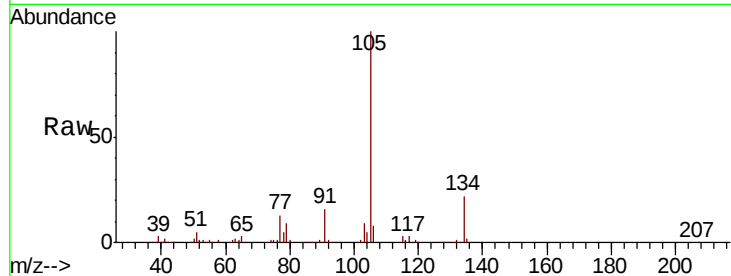
#81
 sec-Butylbenzene
 Concen: 19.335 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	0.0	39.8

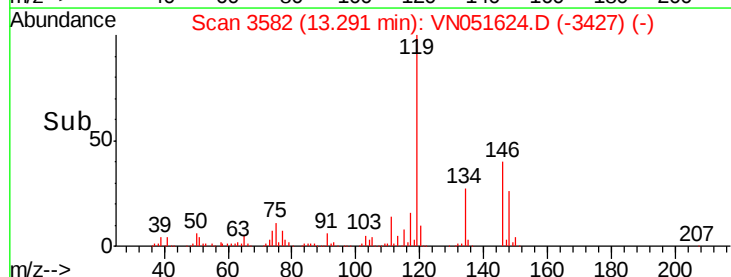
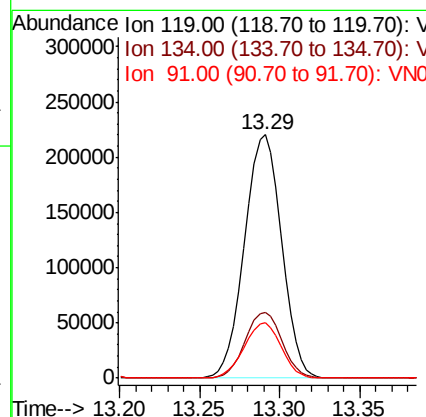
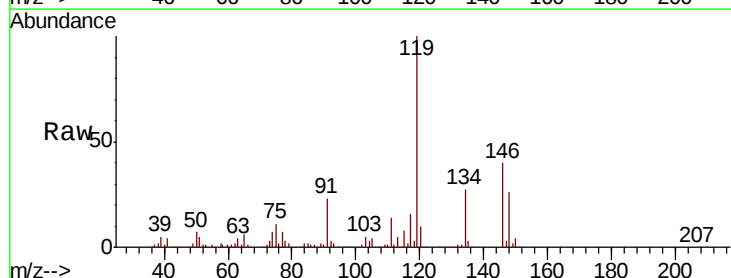
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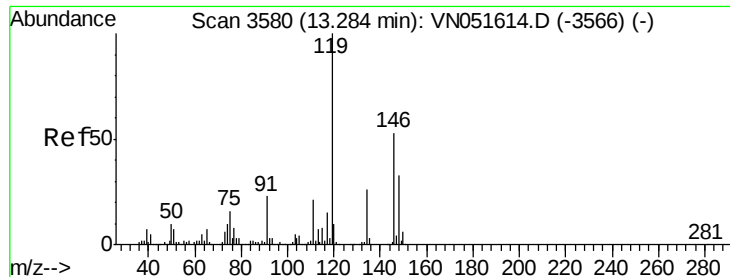
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#82
 p-Isopropyltoluene
 Concen: 19.707 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	52.0
91	22.7	0.0	46.0





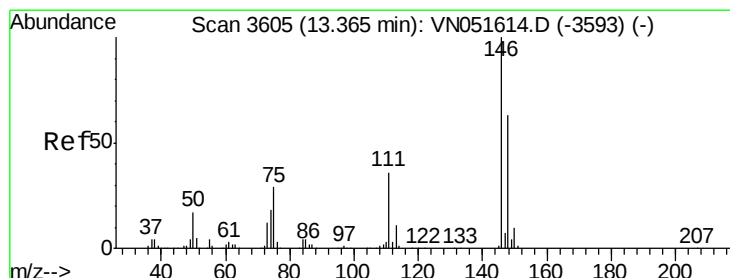
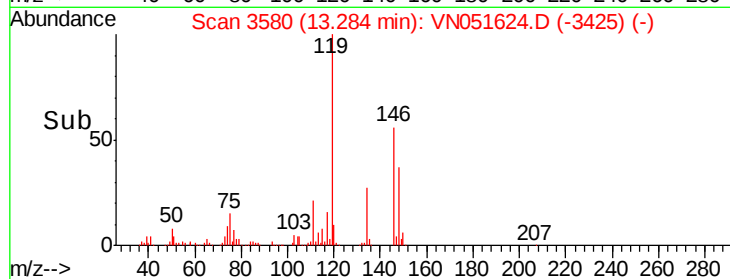
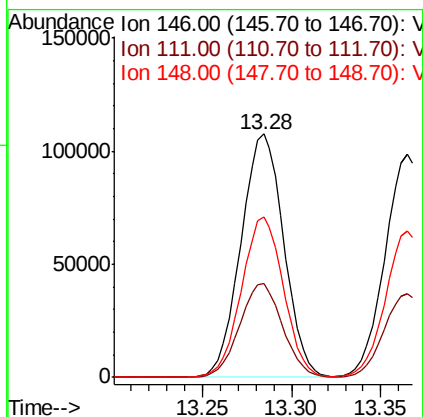
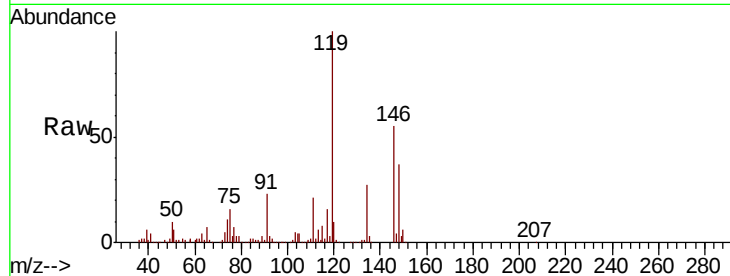
#83
 1,3-Dichlorobenzene
 Concen: 20.126 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	146	Resp:	180222
Ion Ratio	Lower	Upper	
146	100		
111	38.5	19.9	59.6
148	64.6	32.4	97.2

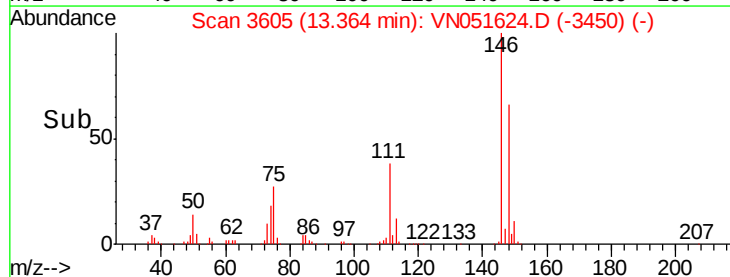
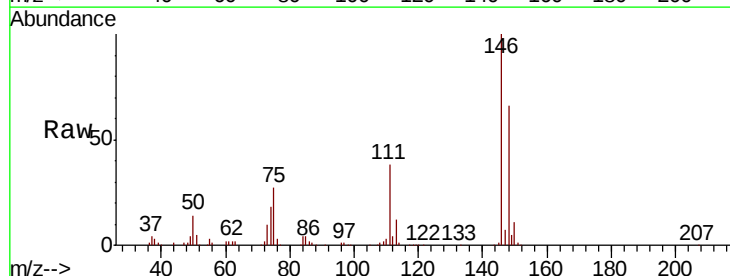
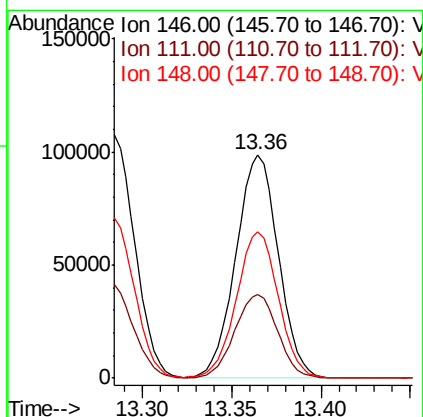
Manual Integrations
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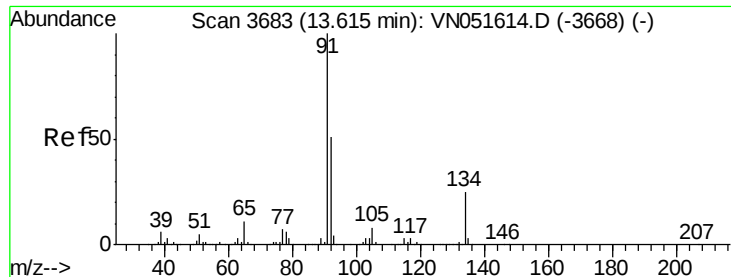
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#84
 1,4-Dichlorobenzene
 Concen: 19.571 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion:	146	Resp:	164736
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.6	55.8
148	64.7	32.1	96.5





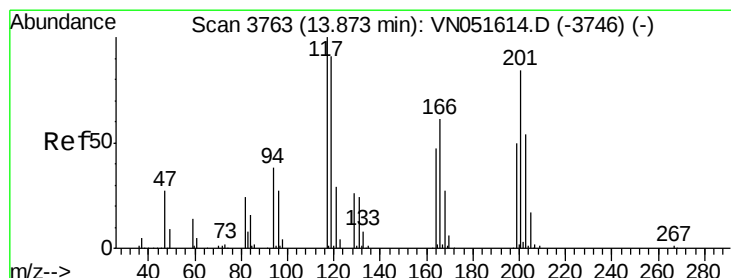
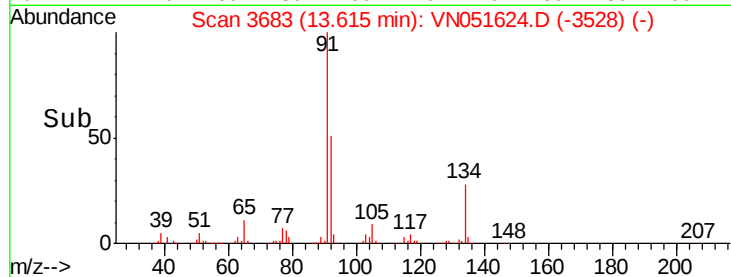
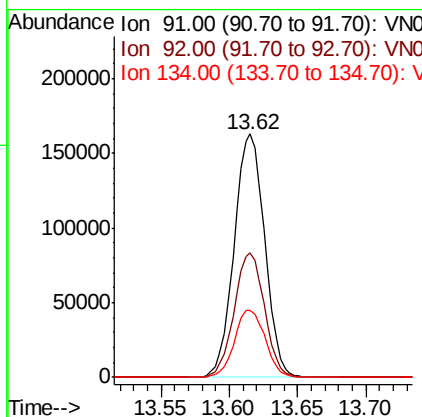
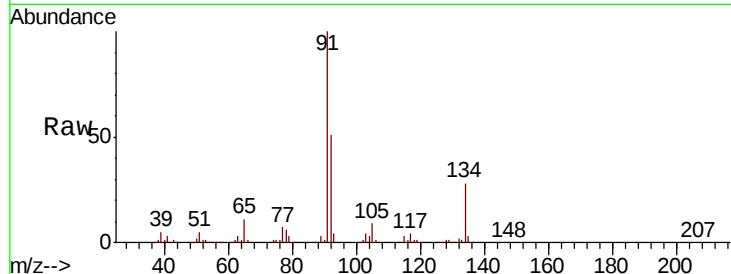
#85
n-Butylbenzene
Concen: 17.483 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	253277		
92	50.7		0.0	101.6
134	27.8		0.0	50.6

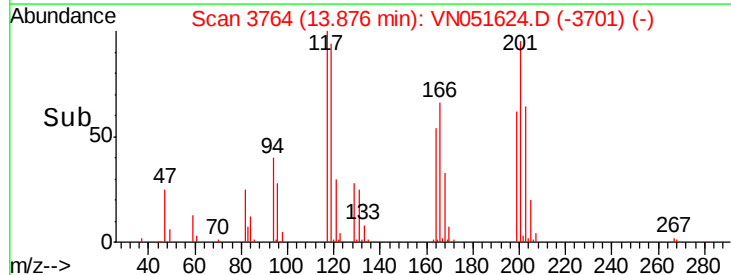
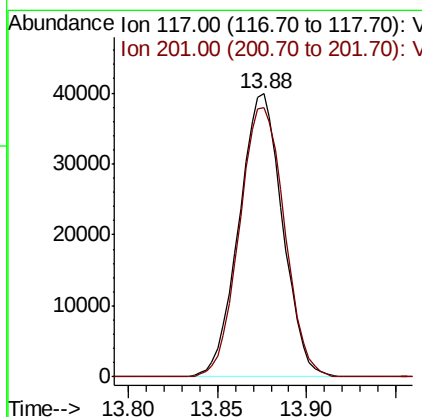
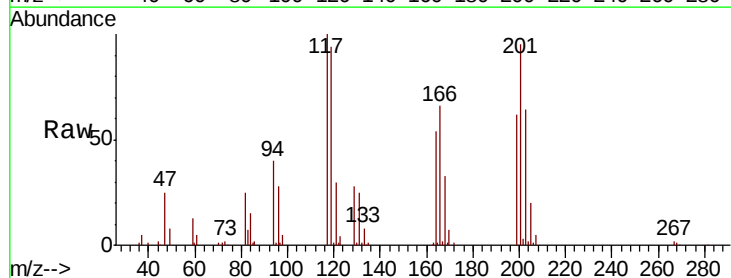
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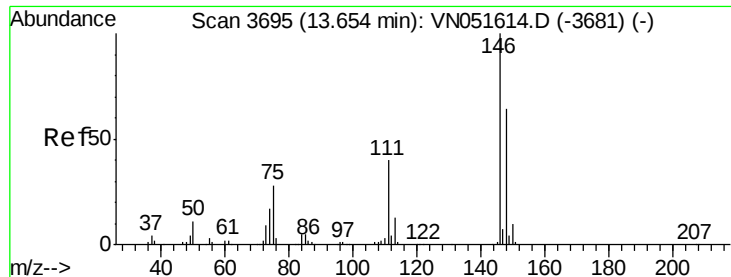
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#86
Hexachloroethane
Concen: 19.227 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	67872		
201	98.4		42.9	128.5





#87

1,2-Dichlorobenzene

Concen: 20.502 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_N

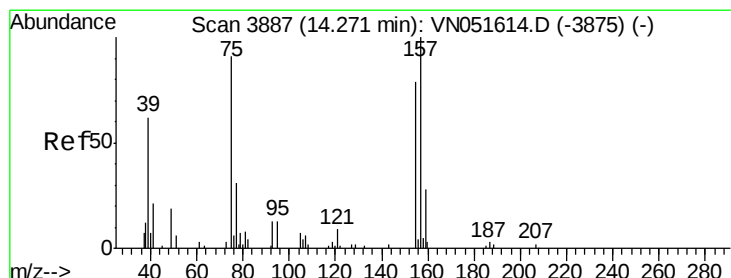
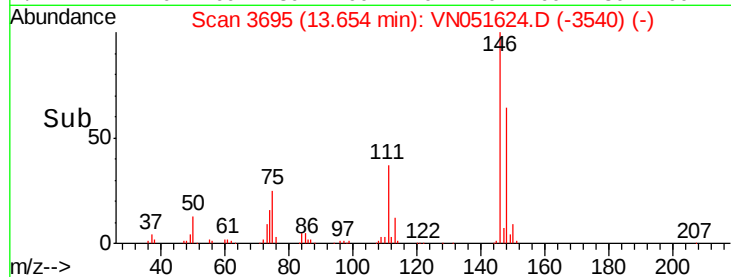
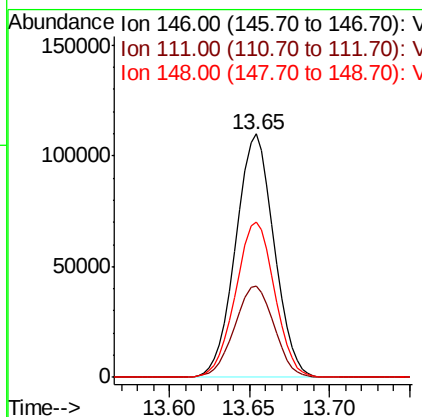
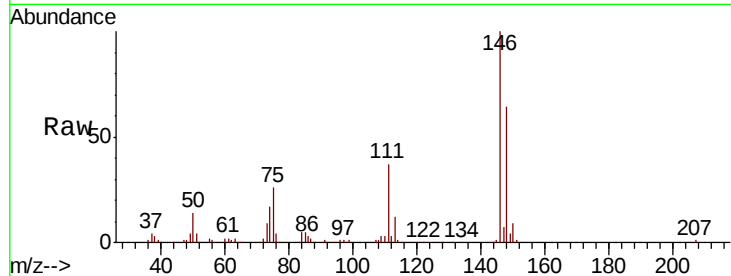
ClientSampled :

VSTDCCC020EC

Tot Ion:	146	Resp:	179596
Ion Ratio		Lower	Upper
146	100		
111	38.6	20.1	60.3
148	65.0	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 22.484 ug/l

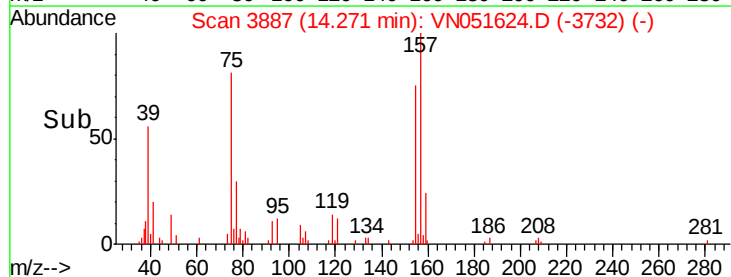
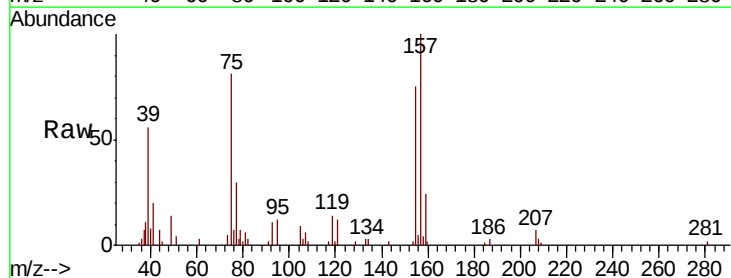
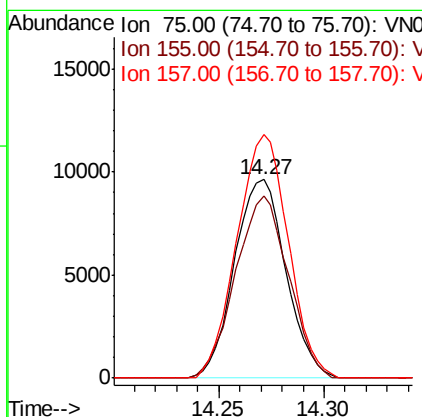
RT: 14.27 min Scan# 3887

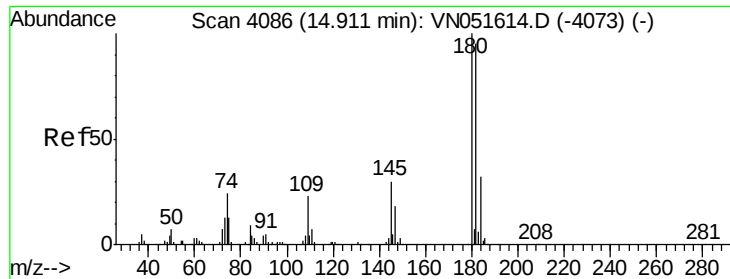
Delta R.T. -0.00 min

Lab File: VN051624.D

Acq: 28 Sep 2018 19:12

Tgt Ion:	75	Resp:	16372
Ion Ratio		Lower	Upper
75	100		
155	94.1	67.1	100.7
157	122.3	85.8	128.6





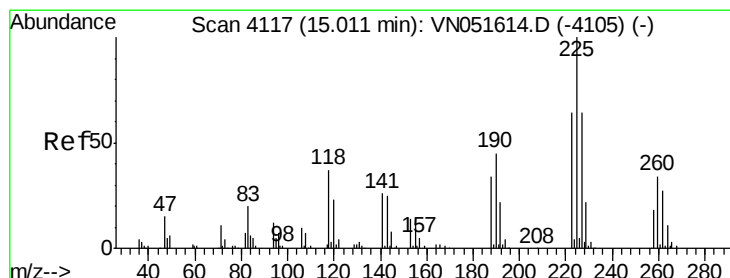
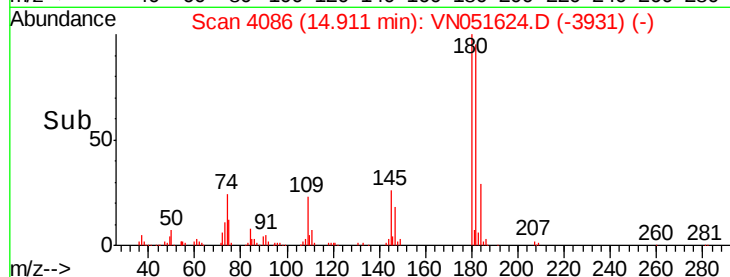
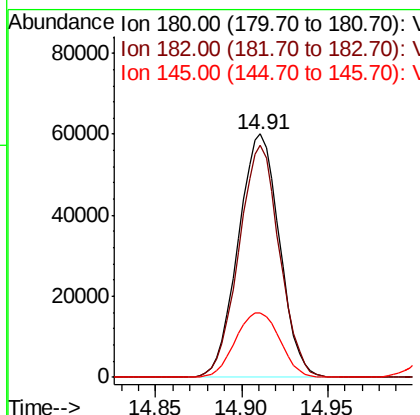
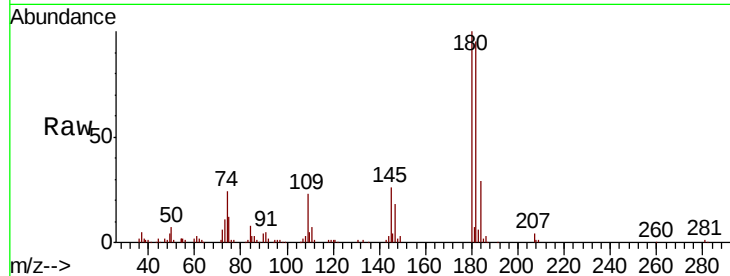
#89
 1,2,4-Trichlorobenzene
 Concen: 24.435 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100185		
182	93.6	75.2	112.8	
145	28.5	22.9	34.3	

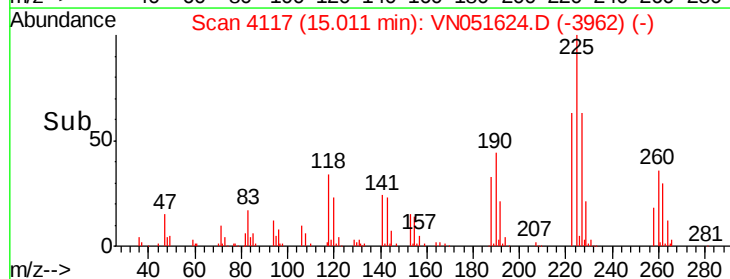
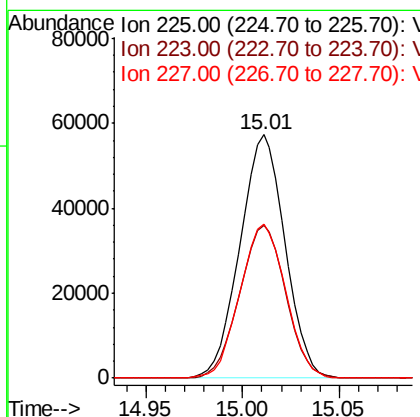
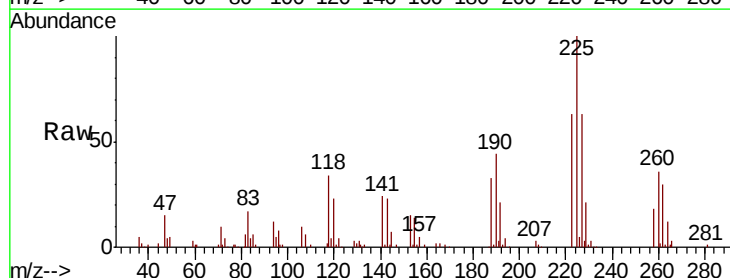
Manual Integrations
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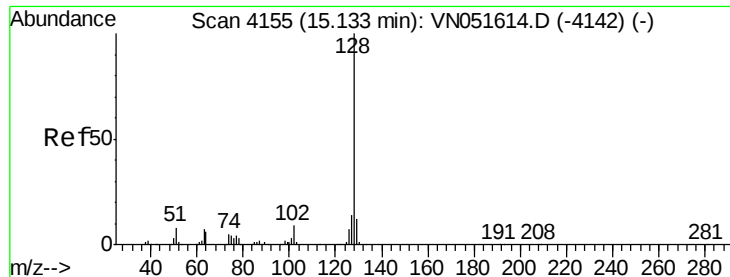
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 27.736 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051624.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92708		
223	64.0	0.0	131.0	
227	64.2	0.0	129.0	





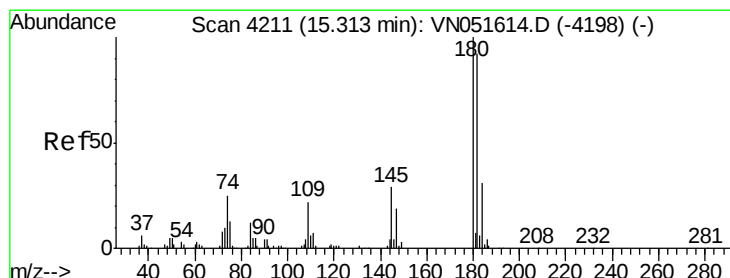
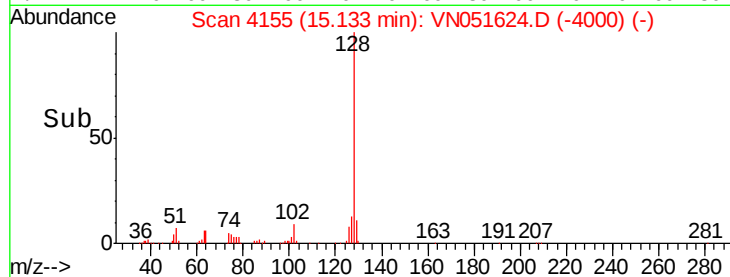
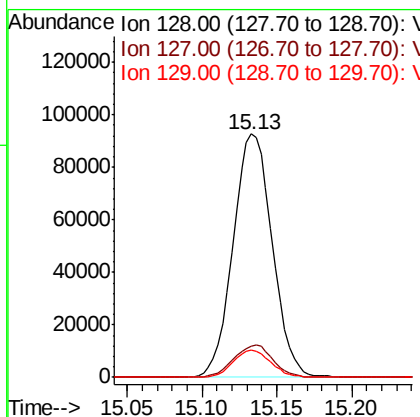
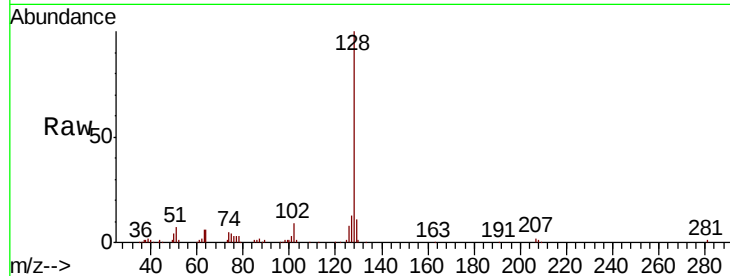
#91
Naphthalene
Concen: 22.287 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	168834		
127	13.4	10.8	16.2	
129	10.8	9.1	13.7	

Manual Integrations
APPROVED

MMDadoda
10/3/2018 5:27:47 PM



#92
1,2,3-Trichlorobenzene
Concen: 24.555 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051624.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101255		
182	97.5	0.0	191.8	
145	29.8	0.0	60.4	

