

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051824.D
 Acq On : 12 Oct 2018 8:38
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:48 AM

Quant Time: Oct 12 09:38:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 09:34:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	140829	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	803913	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	718867	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	270880	28.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.70%
60) 4-Bromofluorobenzene	12.40	95	302396	27.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.87%
63) Toluene-d8	10.09	98	958541	27.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.77%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108092	15.79	ug/l	98
3) Chloromethane	2.06	50	119237	10.01	ug/l	99
4) Vinyl Chloride	2.18	62	182212	14.23	ug/l	99
5) Bromomethane	2.57	94	152463	18.31	ug/l	91
6) Chloroethane	2.70	64	132175	16.65	ug/l	100
7) Trichlorofluoromethane	3.01	101	229621	13.71	ug/l	97
8) Diethyl Ether	3.41	74	73866	14.87	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145329	17.17	ug/l #	40
10) 1,1-Dichloroethene	3.73	96	134805	17.43	ug/l	85
11) Methyl Iodide	3.96	142	183219	15.86	ug/l	93
12) Methyl Acetate	4.33	43	84259	12.48	ug/l	90
13) Acrolein	3.61	56	26095	28.34	ug/l	90
14) Acrylonitrile	4.99	53	182566	66.03	ug/l #	61
15) Acetone	3.82	58	47109	69.87	ug/l	98
16) Carbon Disulfide	4.05	76	337792	13.85	ug/l	97
17) Allyl chloride	4.32	41	162133	11.95	ug/l	77
18) Methylene Chloride	4.55	84	149939	16.20	ug/l	90
19) trans-1,2-Dichloroethene	5.05	96	152366	18.09	ug/l	83
20) Diisopropyl ether	5.95	45	355279	12.87	ug/l #	85
21) 1,1-Dichloroethane	5.85	63	249503	15.16	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	174894	18.50	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	47245	91.36	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	380209	18.03	ug/l #	64
25) Chloroform	7.37	83	293798	17.84	ug/l	95
26) Cyclohexane	7.65	56	209919	15.01	ug/l #	77
29) 1,1-Dichloropropene	7.80	75	206964	15.51	ug/l	95
30) 2-Butanone	6.84	43	219286	64.64	ug/l #	88
31) 2,2-Dichloropropane	6.83	77	247077	17.37	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	271015	17.78	ug/l	95
33) Carbon Tetrachloride	7.78	117	246781	17.74	ug/l	92
34) Benzene	8.04	78	617735	15.55	ug/l #	67
35) Methacrylonitrile	7.18	41	54895	12.81	ug/l	90
36) 1,2-Dichloroethane	8.13	62	197115	15.40	ug/l	96
37) Trichloroethene	8.83	130	190432	18.17	ug/l	94
38) Methylcyclohexane	9.08	83	265139	17.35	ug/l	79
39) 1,2-Dichloropropane	9.12	63	147400	13.64	ug/l	97
40) Dibromomethane	9.21	93	104942	17.07	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	220136	16.32	ug/l	96
42) Vinyl Acetate	5.90	43	1229813	64.50	ug/l #	91
43) Ethyl Acetate	6.93	43	97360	13.63	ug/l	98
44) Isopropyl Acetate	8.17	43	191258	13.98	ug/l	99
45) 1,4-Dioxane	9.20	88	29936	357.80	ug/l #	76
46) Methyl methacrylate	9.20	41	87235	12.84	ug/l	76
47) n-amyl Acetate	12.07	43	145403m	13.38	ug/l	
48) t-1,3-Dichloropropene	10.38	75	206095	15.53	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	233689	15.07	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	148535	16.94	ug/l	96
51) Ethyl methacrylate	10.43	69	166566	16.23	ug/l	87
52) 1,3-Dichloropropane	10.71	76	229399	15.50	ug/l	97
53) Dibromochloromethane	10.90	129	171705	17.03	ug/l	98
54) 1,2-Dibromoethane	11.01	107	148863	17.68	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	357811	69.89	ug/l #	94
56) Bromoform	12.13	173	104254	15.43	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	489126	65.82	ug/l #	87
59) 2-Hexanone	10.75	43	319299	65.99	ug/l #	89
61) Tetrachloroethene	10.63	164	187157	18.99	ug/l	98
62) Toluene	10.16	91	717524	16.54	ug/l	98
64) Chlorobenzene	11.43	112	458328	17.26	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	178750	17.38	ug/l	100
66) Ethyl Benzene	11.51	91	789134	17.70	ug/l	99
67) m/p-Xylenes	11.62	106	631911	36.45	ug/l	98
68) o-Xylene	11.95	106	310295	18.83	ug/l	91
69) Styrene	11.96	104	456696	17.50	ug/l	97
70) Isopropylbenzene	12.25	105	820919	18.59	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	164663	16.08	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	124437m	14.03	ug/l	
73) Bromobenzene	12.53	156	195971	17.77	ug/l	84
74) n-propylbenzene	12.59	91	876555	17.14	ug/l	96
75) 2-Chlorotoluene	12.68	91	518650	17.15	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	674680	18.47	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	38007	13.75	ug/l	96
78) 4-Chlorotoluene	12.77	91	499720	16.64	ug/l	93
79) tert-butylbenzene	12.99	119	624120	19.72	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	675316	18.33	ug/l	96
81) sec-Butylbenzene	13.17	105	815162	18.70	ug/l	97
82) p-Isopropyltoluene	13.29	119	707363	18.78	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	336007	17.37	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	309962	17.04	ug/l	97
85) n-Butylbenzene	13.62	91	528436	17.31	ug/l	95
86) Hexachloroethane	13.88	117	118506	15.84	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	330214	17.84	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23495	15.65	ug/l #	79
89) 1,2,4-Trichlorobenzene	14.91	180	131737	14.72	ug/l	97
90) Hexachlorobutadiene	15.01	225	111207	15.80	ug/l	96
91) Naphthalene	15.13	128	251346	15.28	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	136131	15.08	ug/l	94

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QLast Update : Fri Oct 12 09:34:35 2018
Response via : Initial Calibration

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

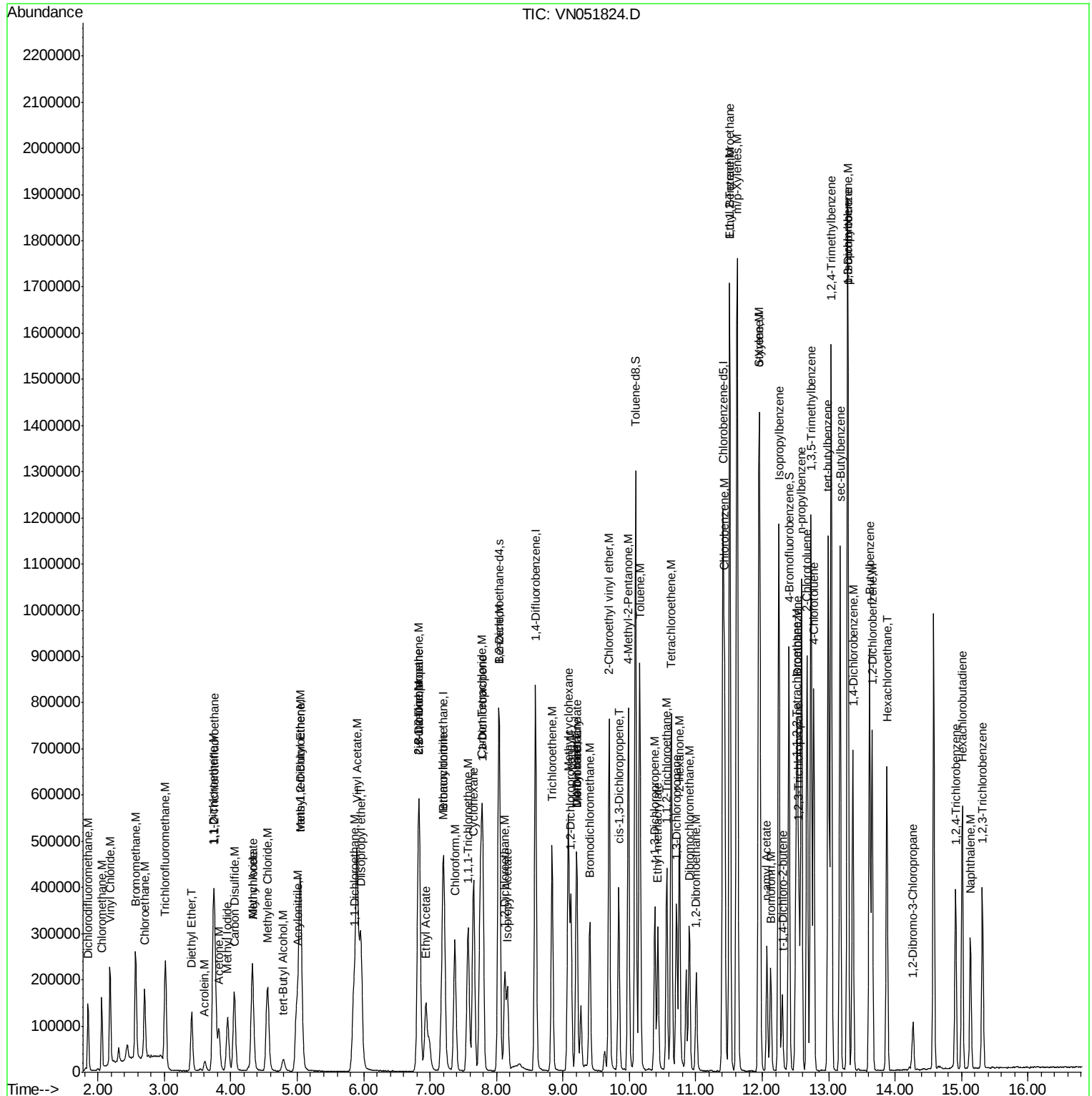
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
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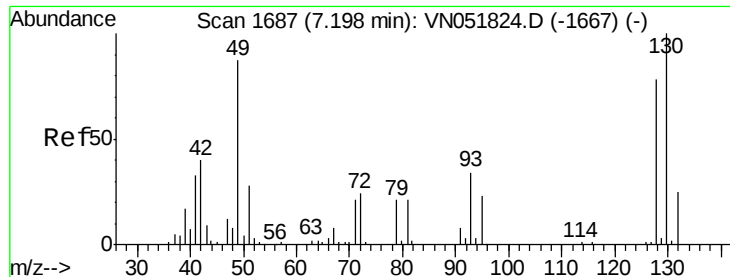
Instrument :
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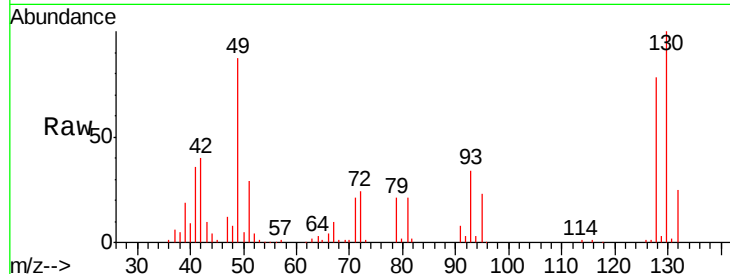
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
128	100		
49	117.1	0.0	403.3
130	131.6	0.0	326.0

Manual Integrations
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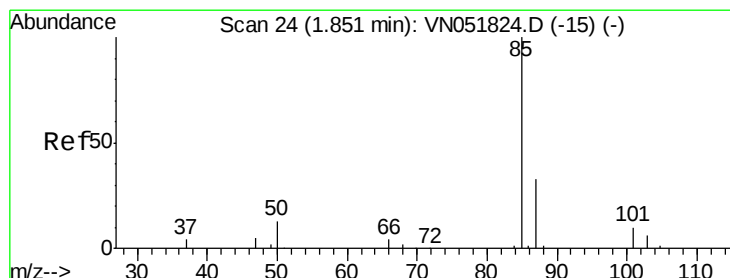
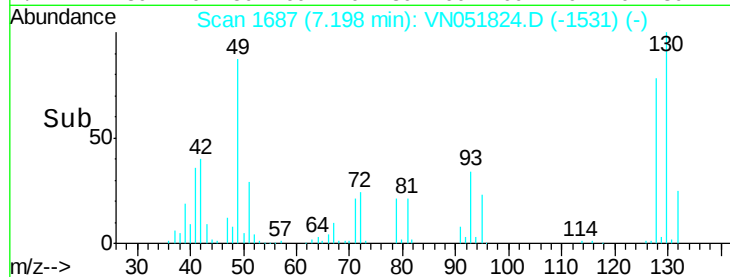
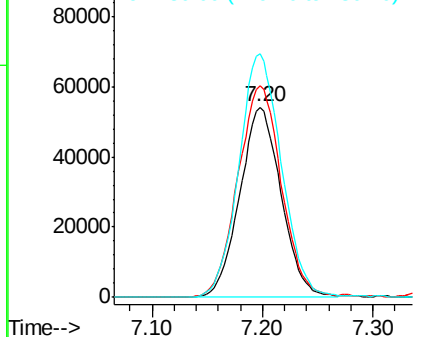
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Abundance Ion 128.00 (127.70 to 128.70): V

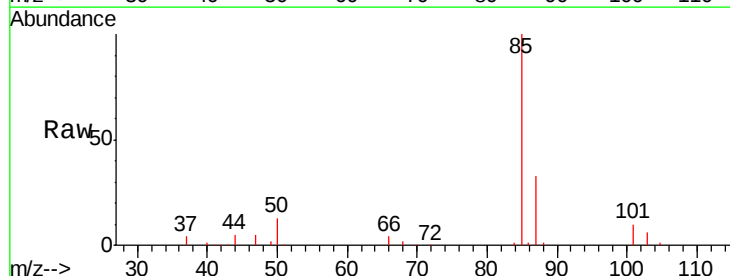
Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



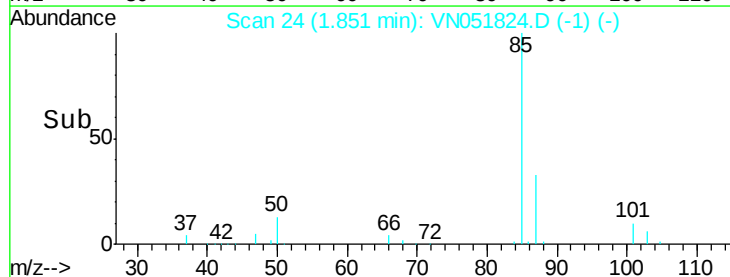
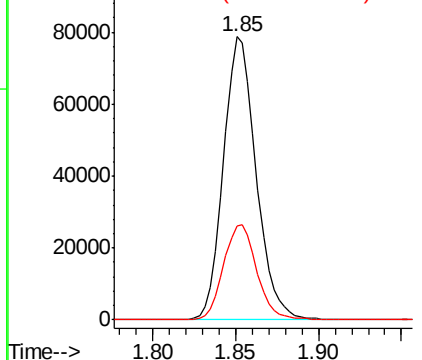
#2
 Dichlorodifluoromethane
 Concen: 15.79 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

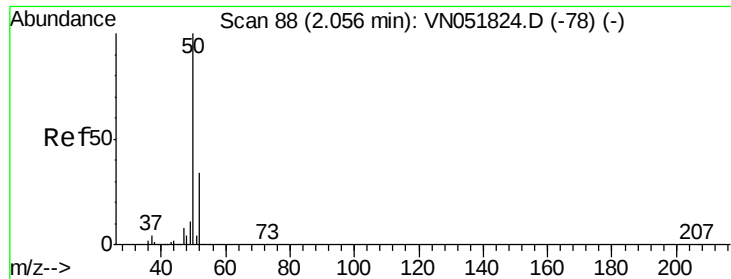
Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 10.01 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 50 Resp: 119237

Ion Ratio Lower Upper

50 100

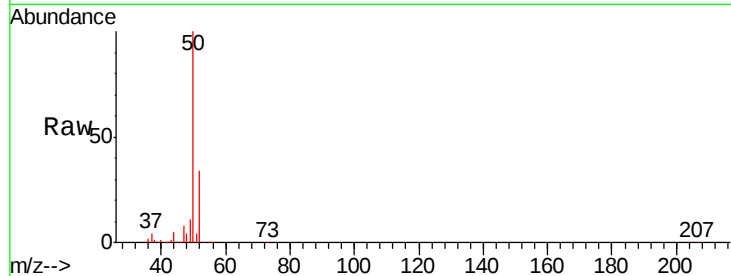
52 33.7 27.2 40.8

Manual Integrations

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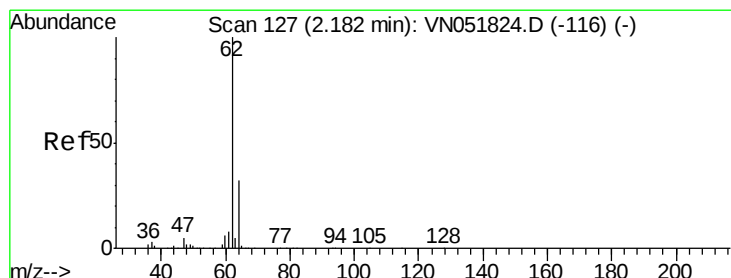
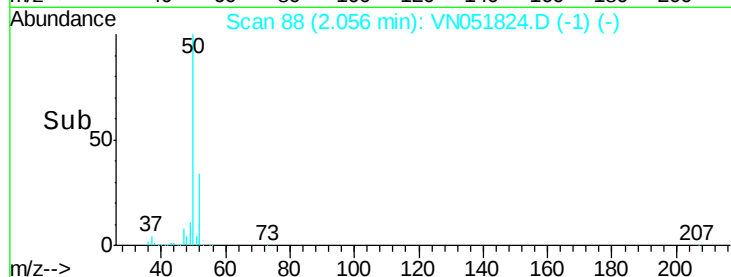
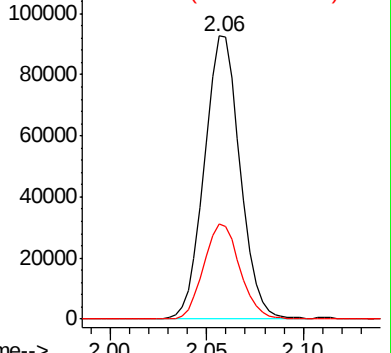
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 14.23 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051824.D

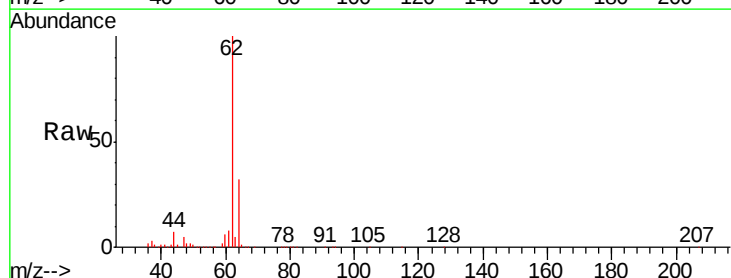
Acq: 12 Oct 2018 8:38

Tgt Ion: 62 Resp: 182212

Ion Ratio Lower Upper

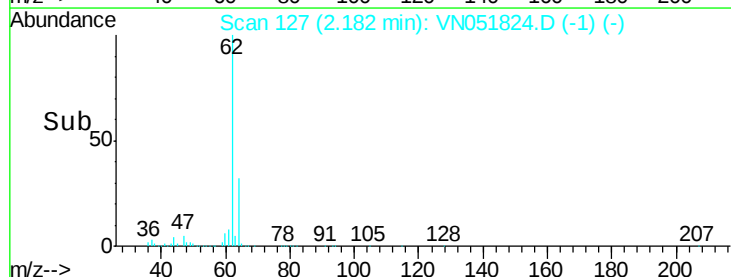
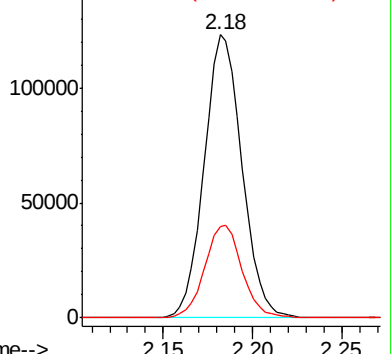
62 100

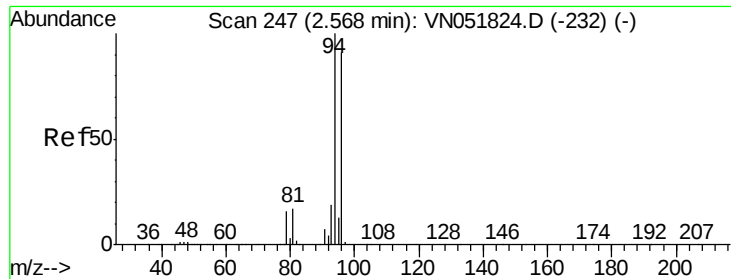
64 32.5 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 18.31 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

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Tgt Ion: 94 Resp: 152463

Ion Ratio Lower Upper

94 100

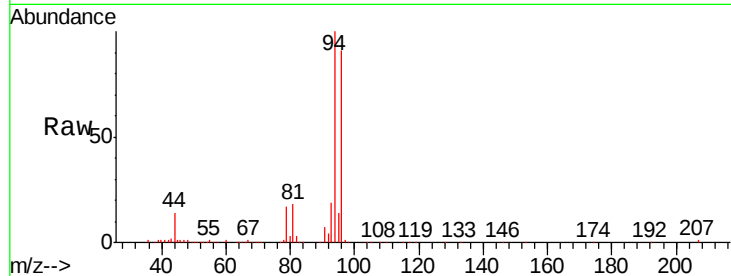
96 91.0 66.4 99.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

80000

60000

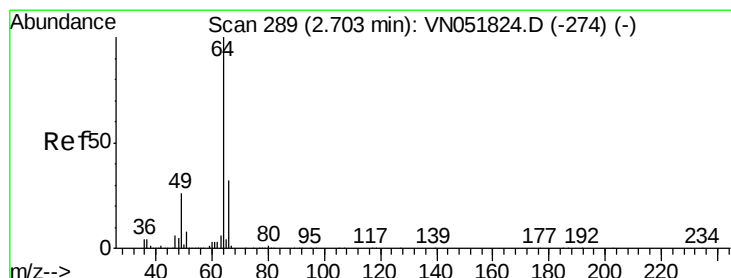
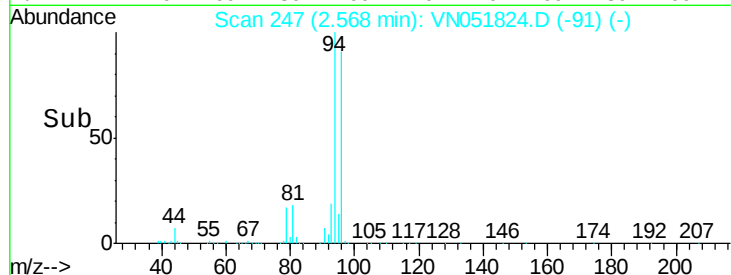
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20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 16.65 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051824.D

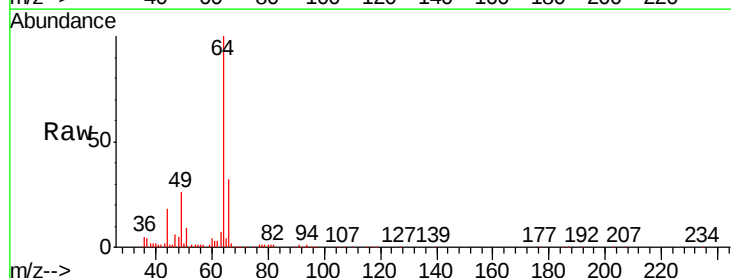
Acq: 12 Oct 2018 8:38

Tgt Ion: 64 Resp: 132175

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

80000

60000

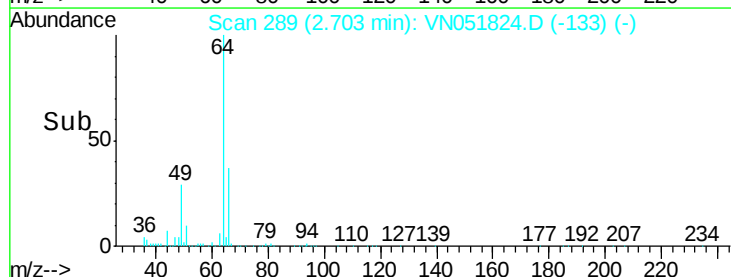
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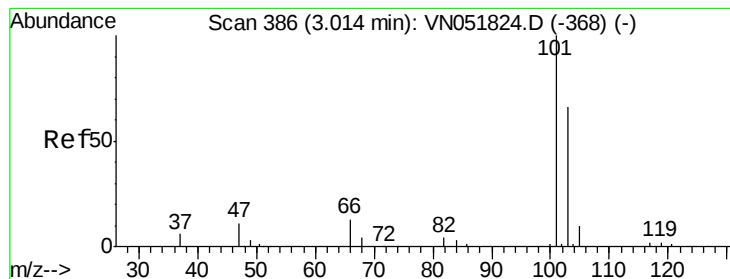
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

Trichlorofluoromethane

Concen: 13.71 ug/l

RT: 3.01 min Scan# 386

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

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Tgt Ion: 101 Resp: 229621

Ion Ratio Lower Upper

101 100

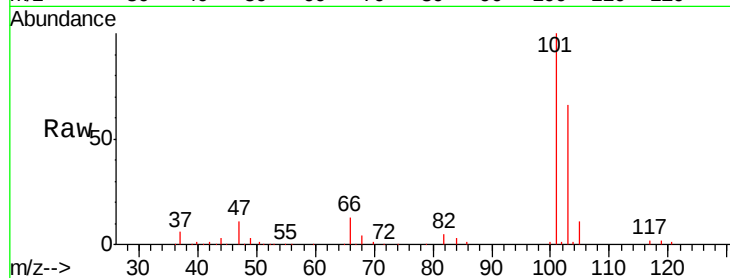
103 66.4 54.8 82.2

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

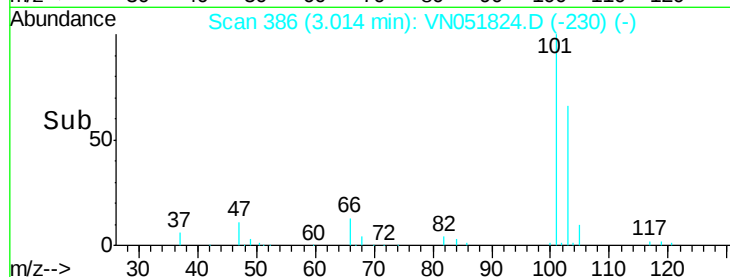
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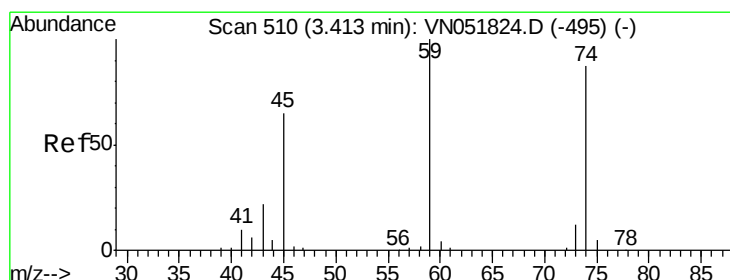
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0

Time-->



Time-->



#8

Diethyl Ether

Concen: 14.87 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN051824.D

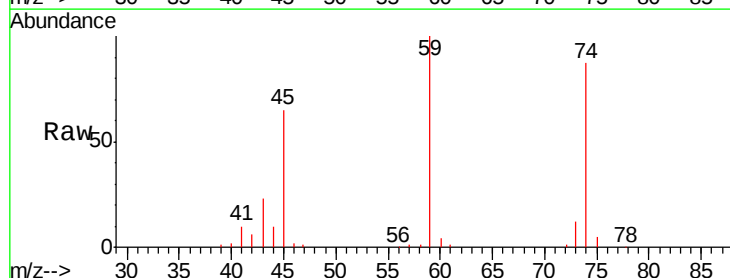
Acq: 12 Oct 2018 8:38

Tgt Ion: 74 Resp: 73866

Ion Ratio Lower Upper

74 100

45 77.5 20.7 186.5



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

40000

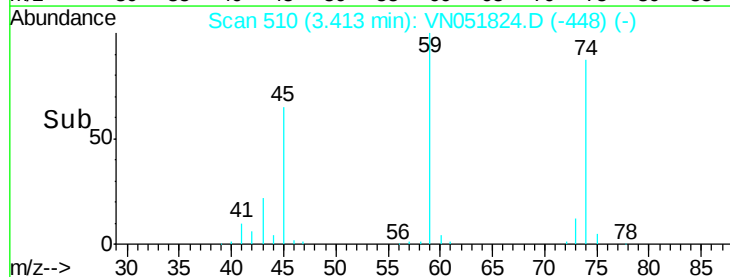
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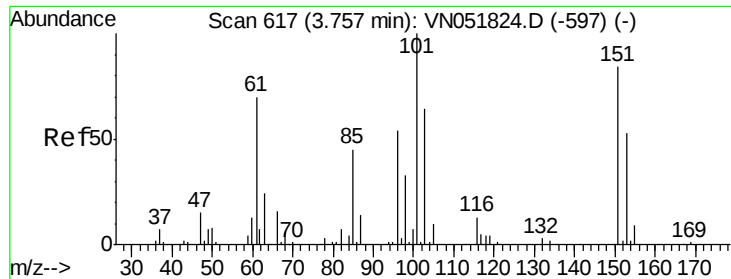
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Time-->



Time-->



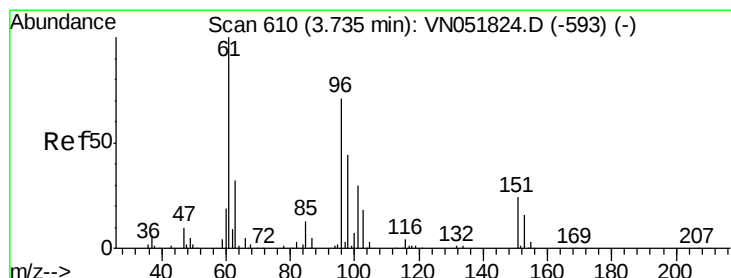
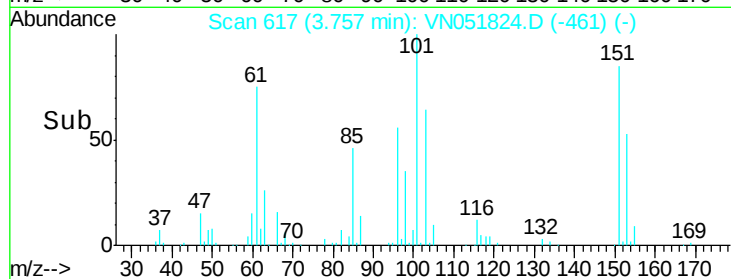
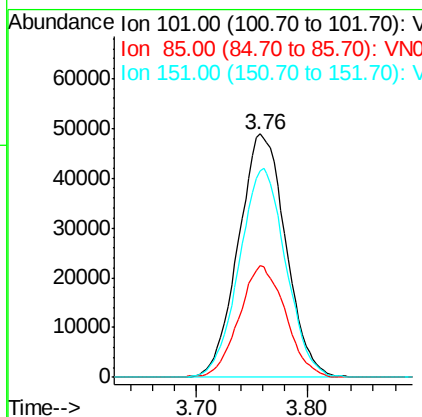
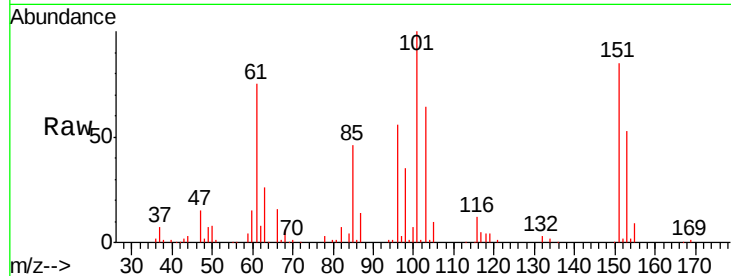
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.17 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	44.8	0.0	46.0
151	84.3	0.0	82.2

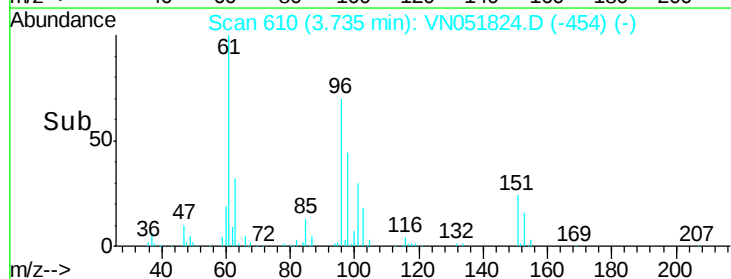
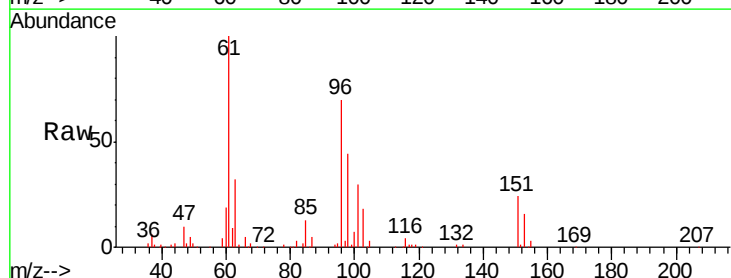
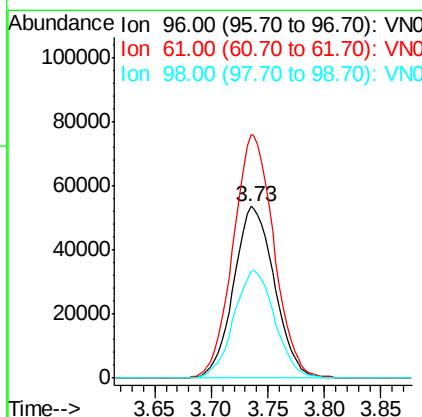
Manual Integrations
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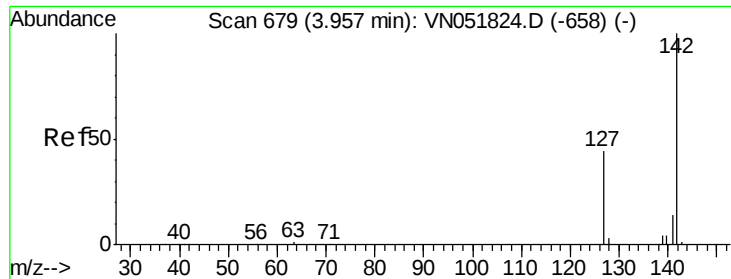
MMDadoda
 10/15/2018 11:27:48 AM



#10
 1,1-Dichloroethene
 Concen: 17.43 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	141.4	133.0	199.6
98	61.9	52.6	78.8





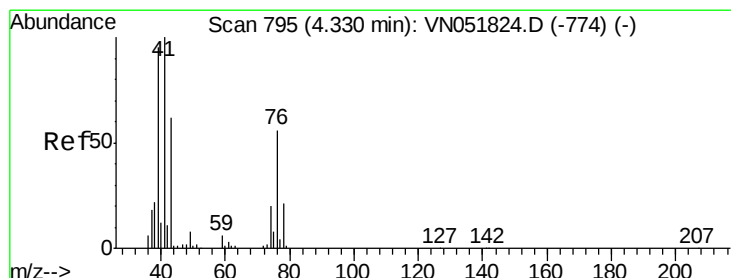
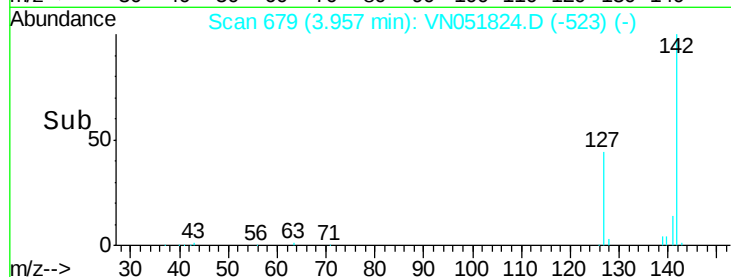
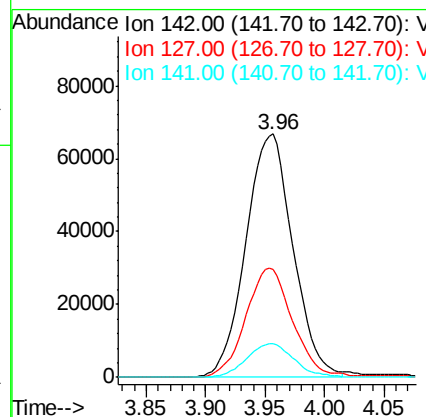
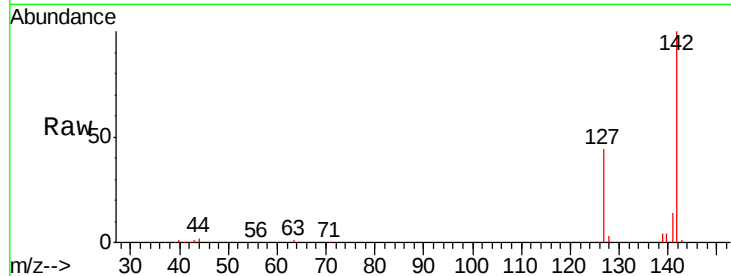
#11
Methyl Iodide
Concen: 15.86 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.1	19.7	59.0
141	14.0	6.3	18.9

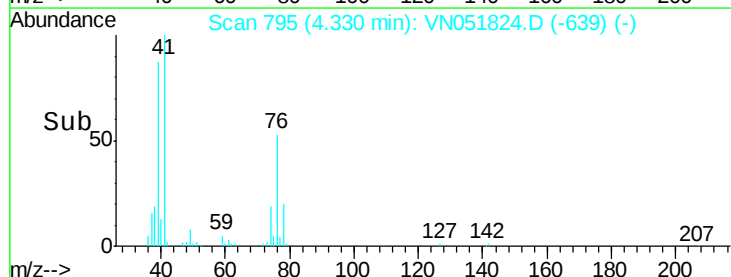
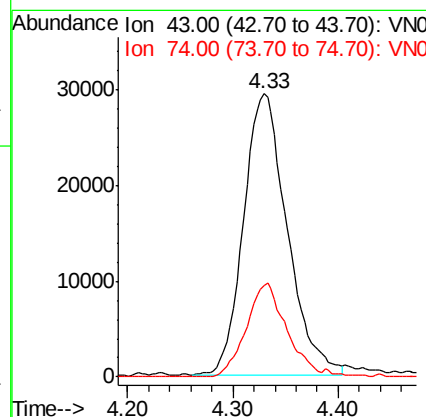
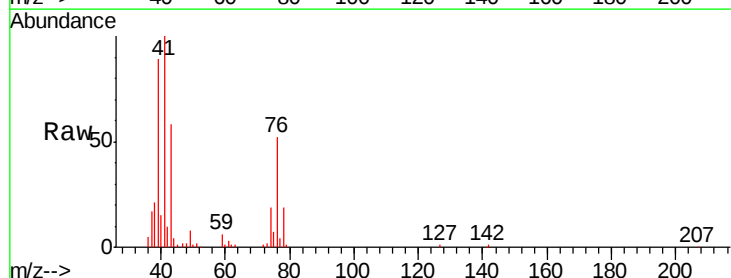
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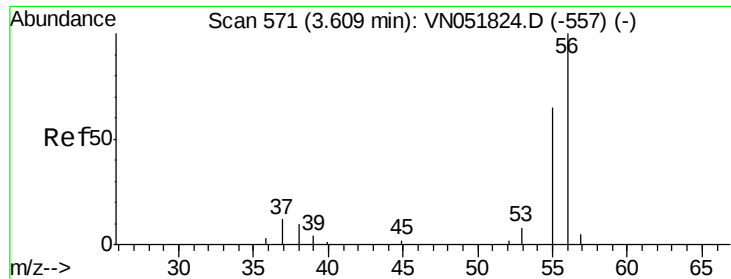
MMDadoda
10/15/2018 11:27:48 AM



#12
Methyl Acetate
Concen: 12.48 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.5	21.8	32.6





#13

Acrolein

Concen: 28.34 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 56 Resp: 26095

Ion Ratio Lower Upper

56 100

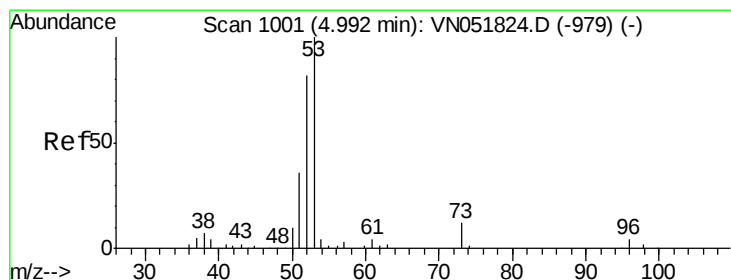
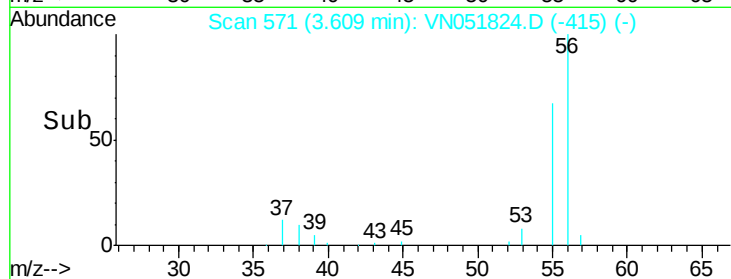
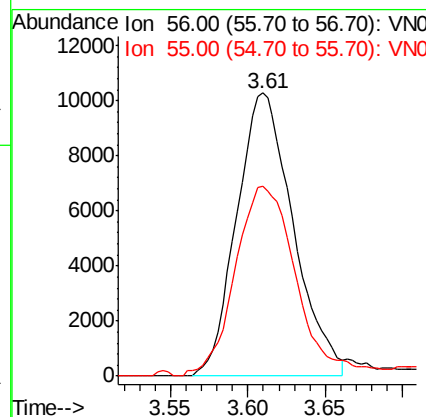
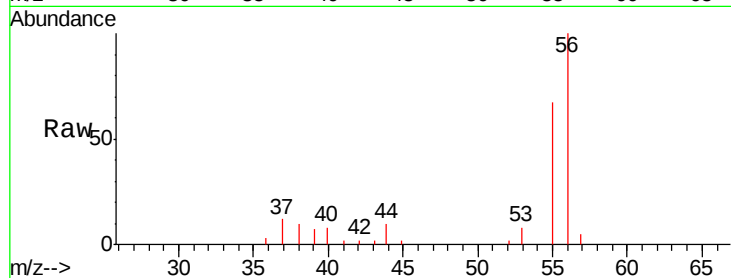
55 71.3 64.0 96.0

Manual Integrations

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#14

Acrylonitrile

Concen: 66.03 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

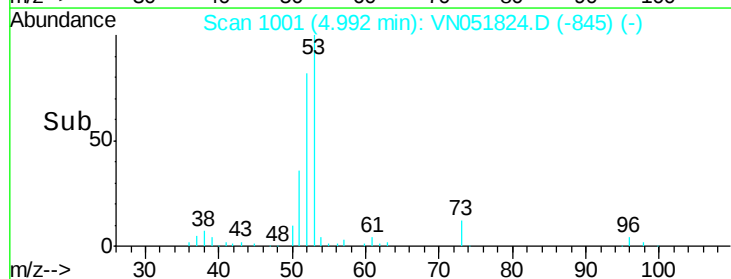
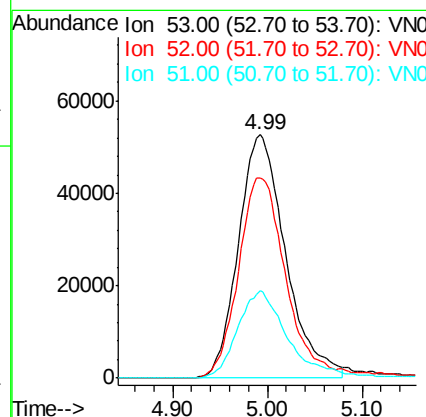
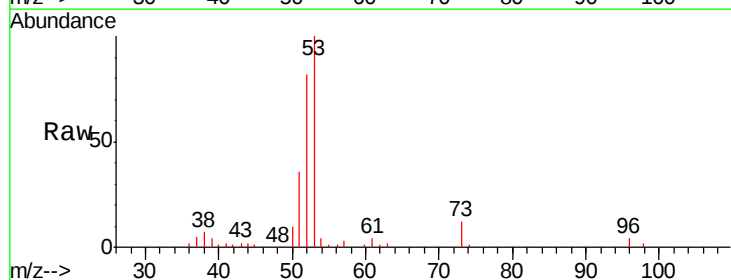
Tgt Ion: 53 Resp: 182566

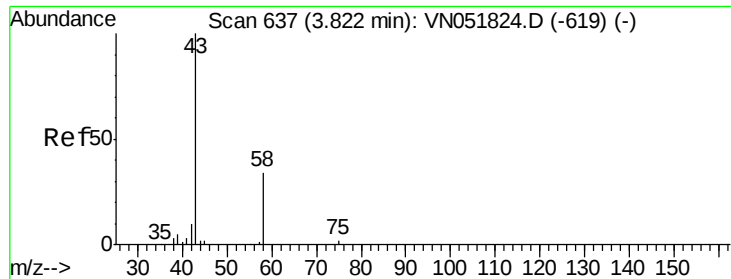
Ion Ratio Lower Upper

53 100

52 81.7 18.3 54.8#

51 36.5 19.7 59.1





#15

Acetone

Concen: 69.87 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 58 Resp: 47109

Ion Ratio Lower Upper

58 100

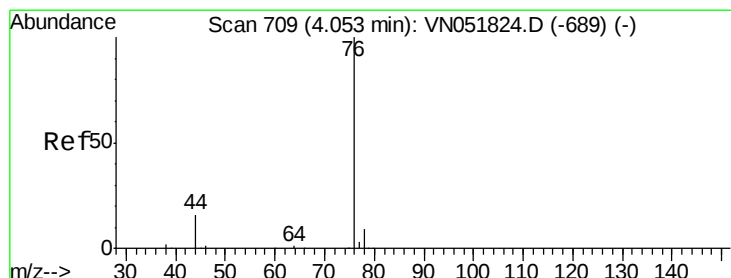
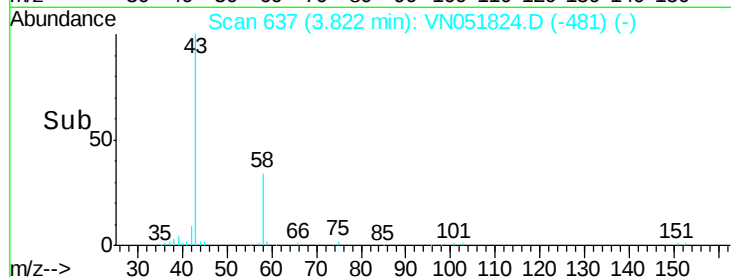
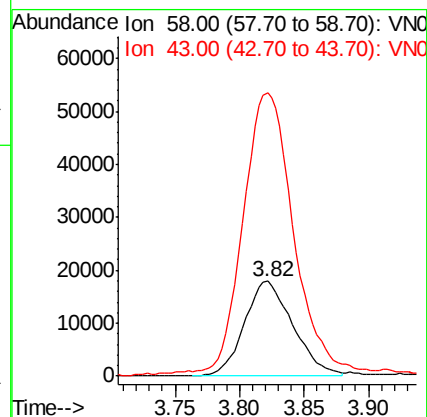
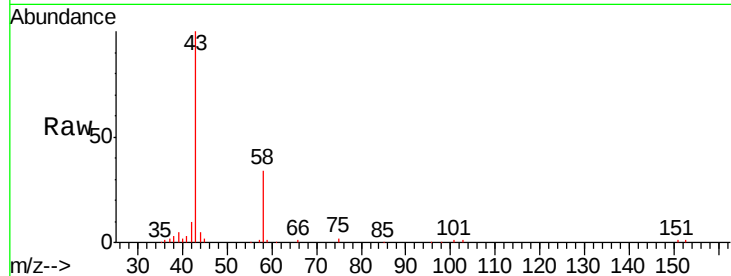
43 293.2 232.2 348.2

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#16

Carbon Disulfide

Concen: 13.85 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051824.D

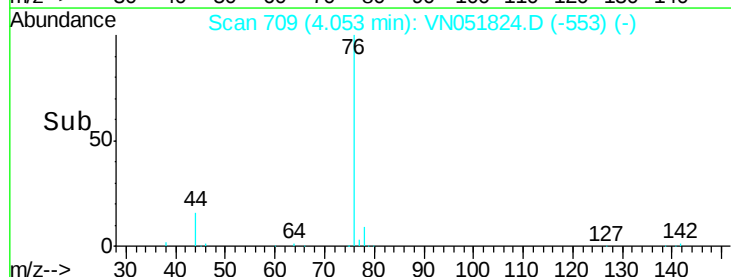
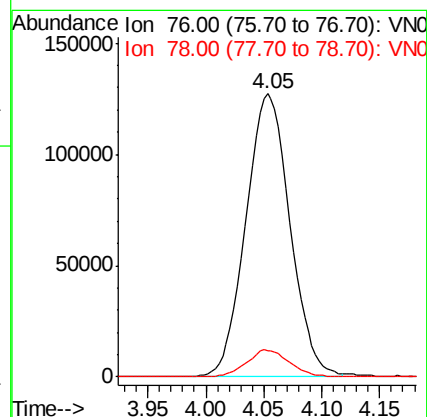
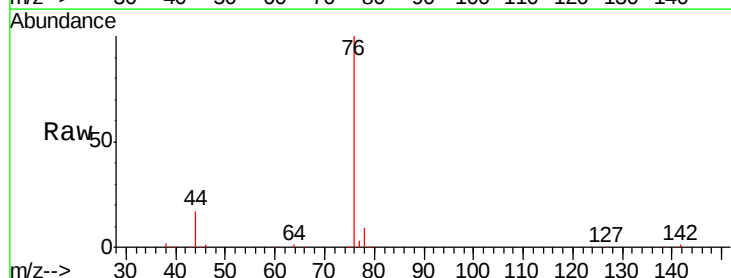
Acq: 12 Oct 2018 8:38

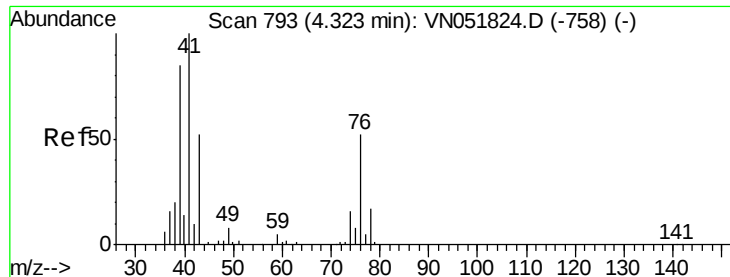
Tgt Ion: 76 Resp: 337792

Ion Ratio Lower Upper

76 100

78 9.4 6.7 10.1





#17

Allyl chloride

Concen: 11.95 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

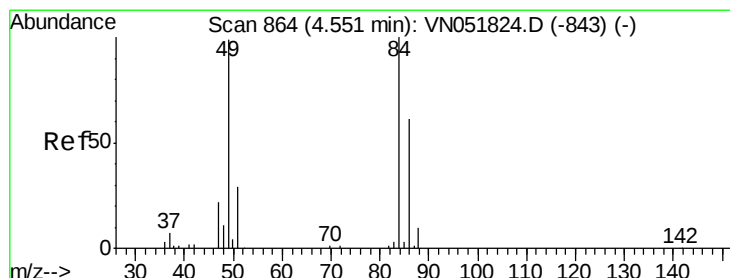
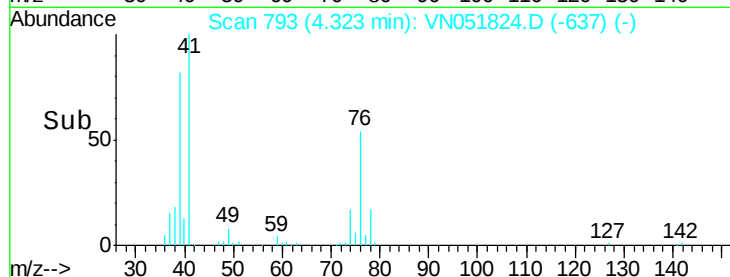
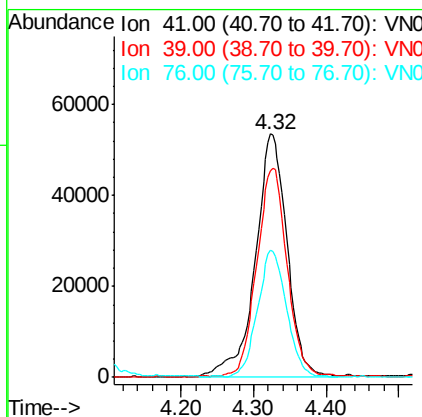
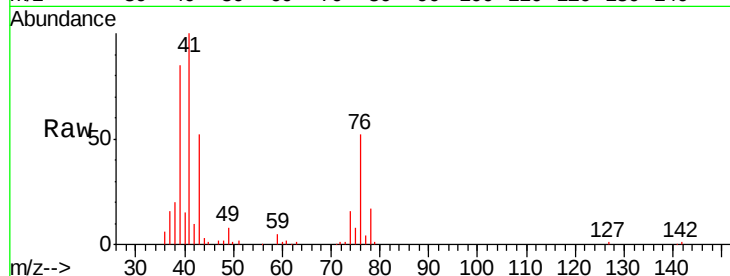
ClientSampleId :

VSTDICCC020

Tgt Ion:	41	Resp:	162133
Ion Ratio		Lower	Upper
41	100		
39	85.0	32.6	97.8
76	52.3	20.2	60.5

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#18

Methylene Chloride

Concen: 16.20 ug/l

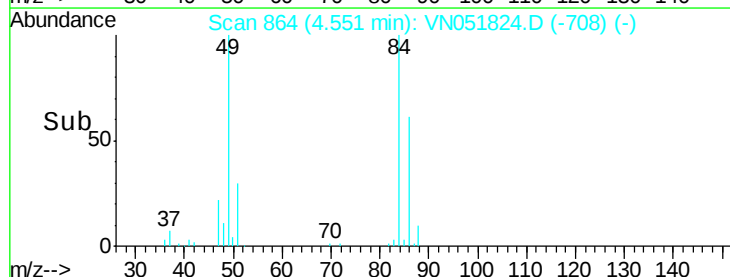
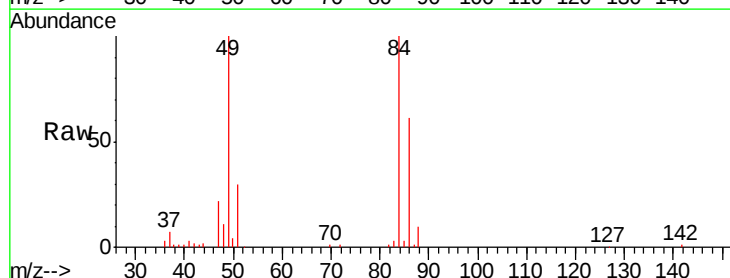
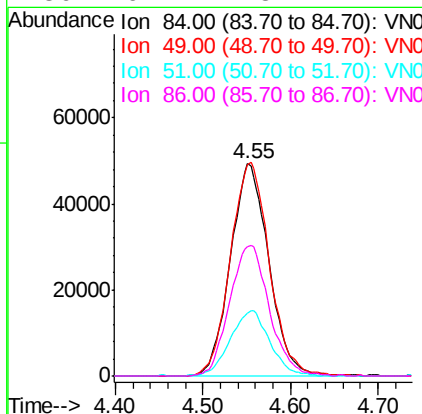
RT: 4.55 min Scan# 864

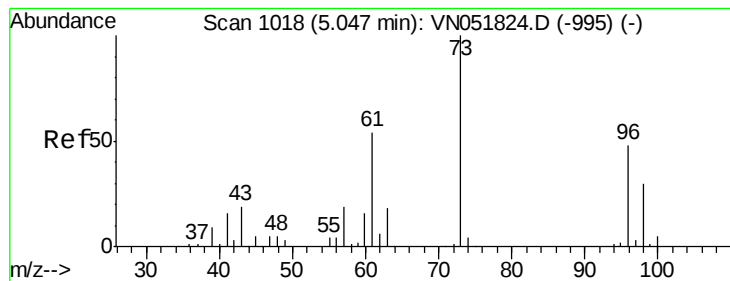
Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Tgt Ion:	84	Resp:	149939
Ion Ratio		Lower	Upper
84	100		
49	99.4	91.6	137.4
51	29.8	29.8	44.6
86	61.1	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 18.09 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 96 Resp: 152366

Ion Ratio Lower Upper

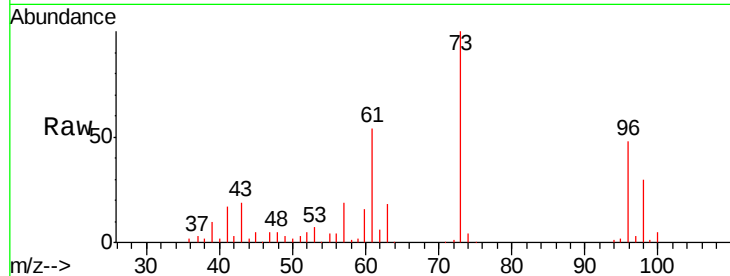
96 100

61 112.9 112.3 168.5

98 62.1 47.1 70.7

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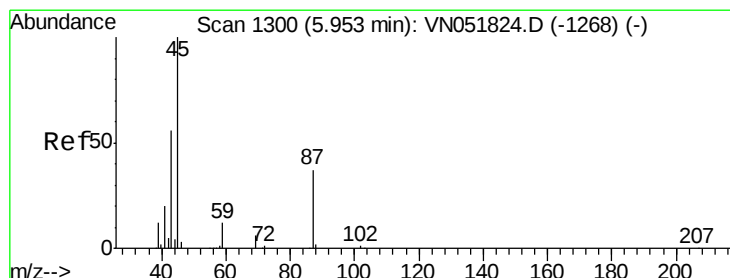
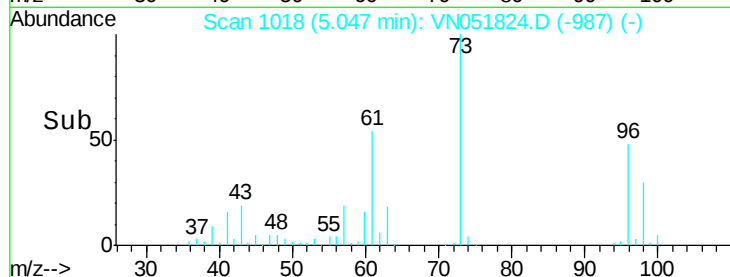
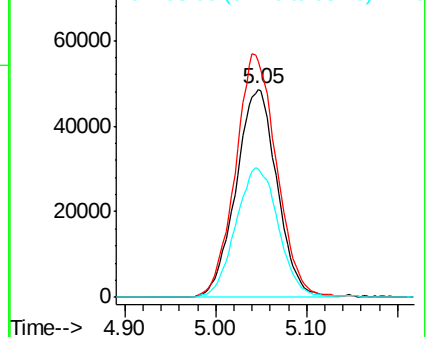
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Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 12.87 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Tgt Ion: 45 Resp: 355279

Ion Ratio Lower Upper

45 100

43 65.5 62.1 93.1

87 37.4 19.9 29.9#

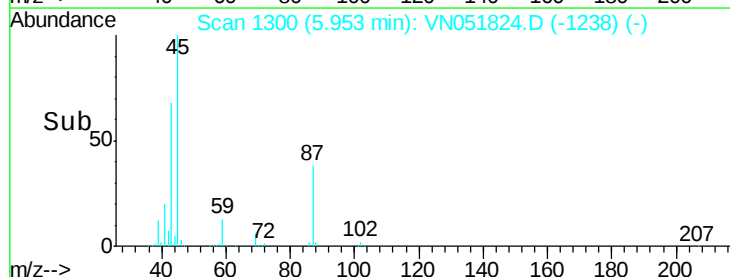
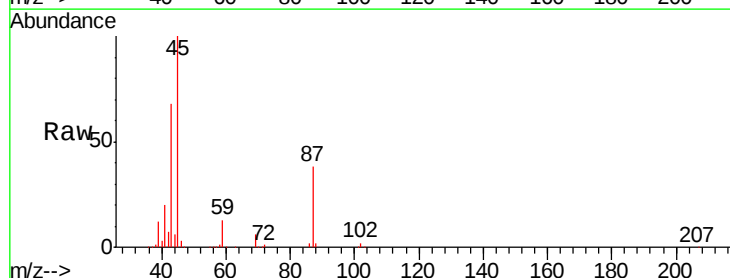
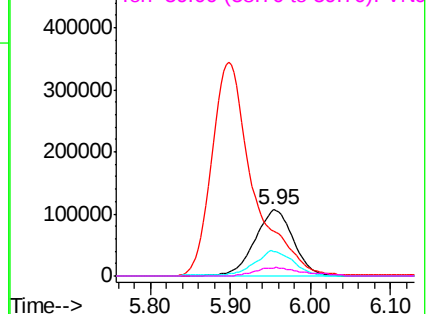
59 12.2 9.8 14.6

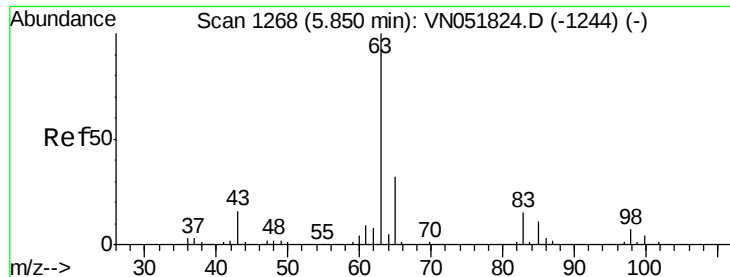
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





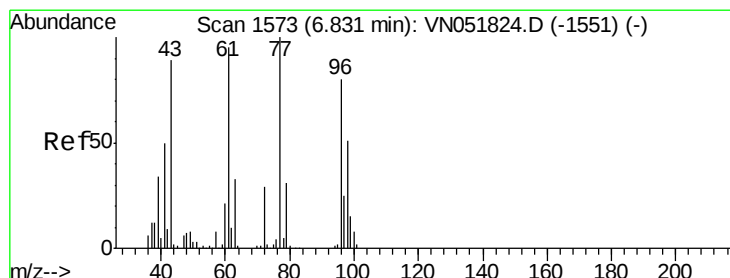
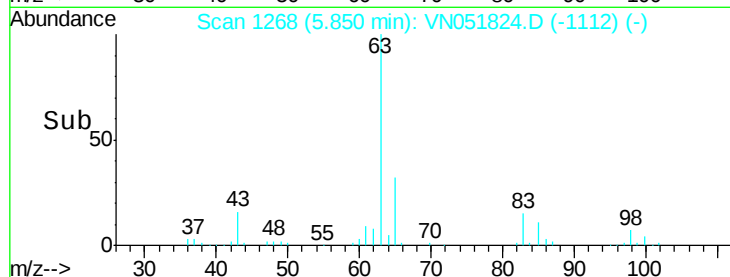
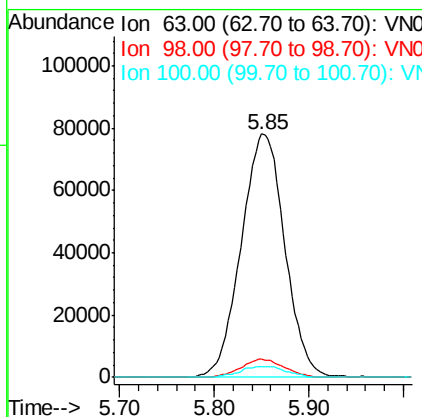
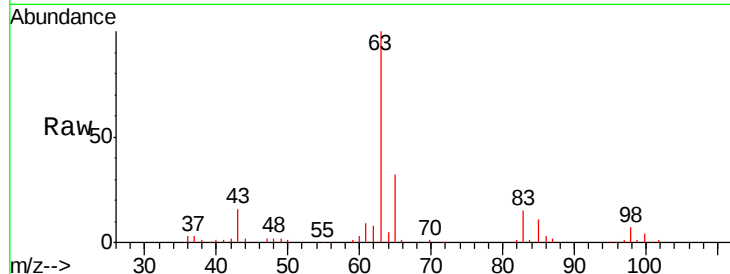
#21
 1,1-Dichloroethane
 Concen: 15.16 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	8.0	4.1	12.3
100	4.4	1.6	4.7

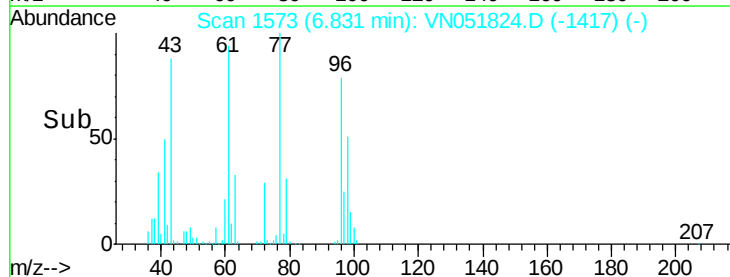
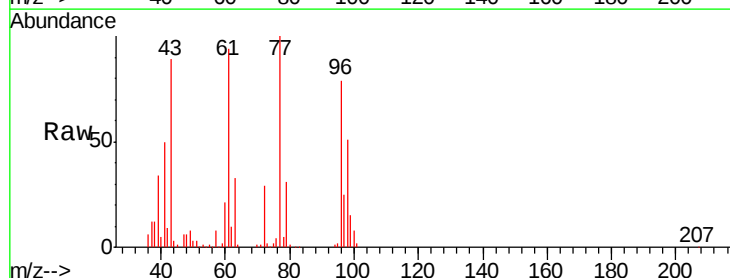
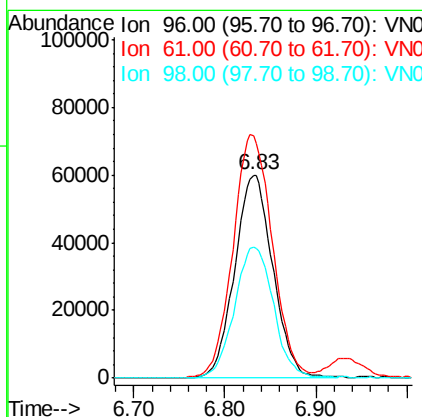
Manual Integrations
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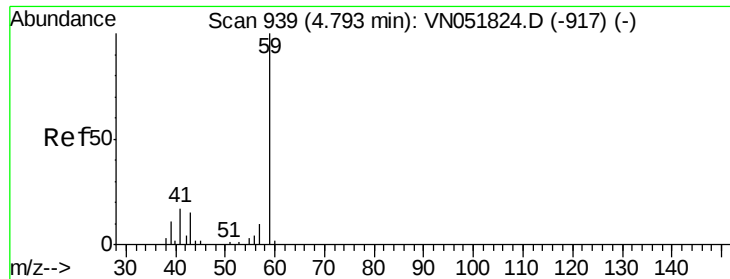
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#22
 cis-1,2-Dichloroethene
 Concen: 18.50 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	123.8	124.5	186.7#
98	65.7	51.9	77.9





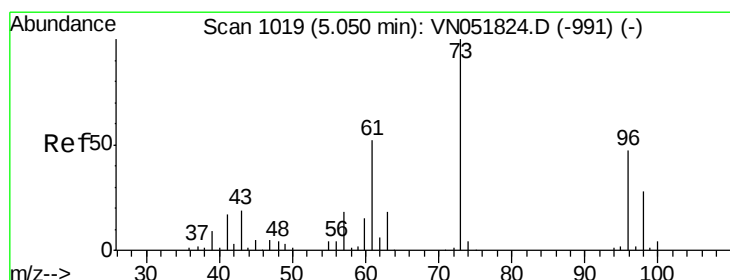
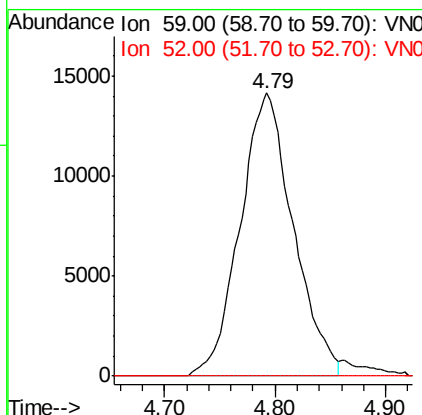
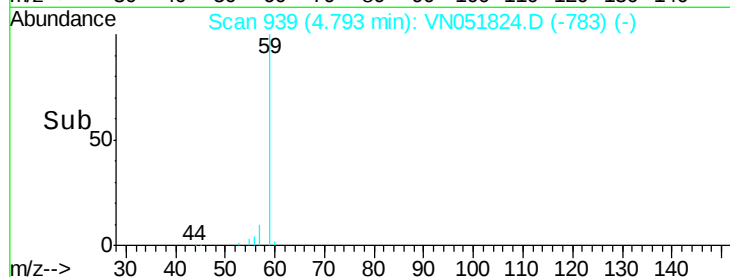
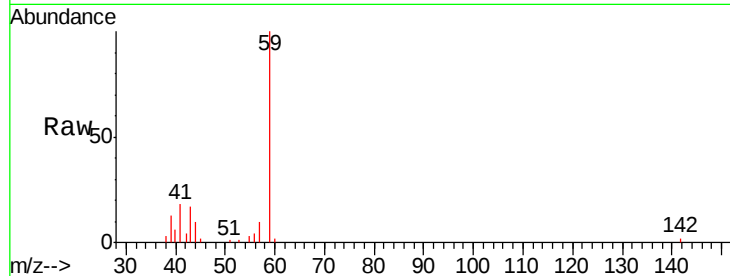
#23
 tert-Butyl Alcohol
 Concen: 91.36 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

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

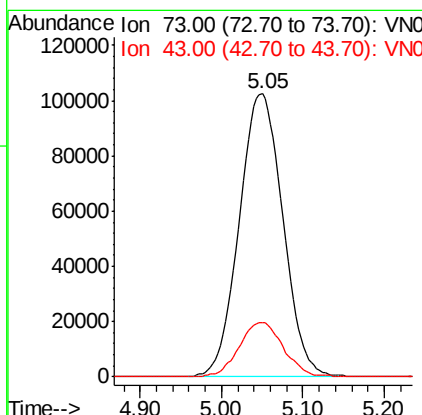
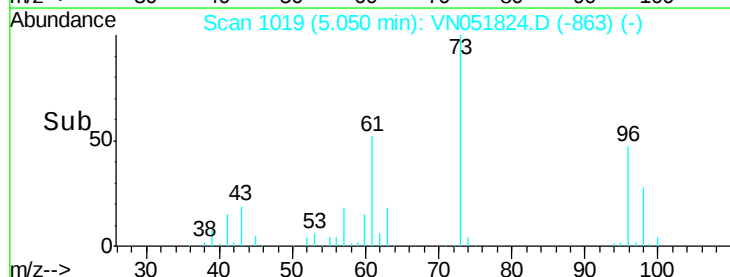
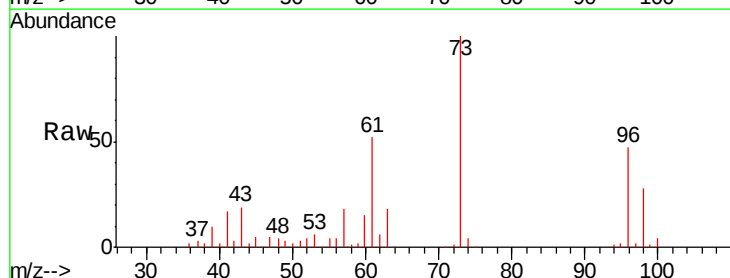
Manual Integrations
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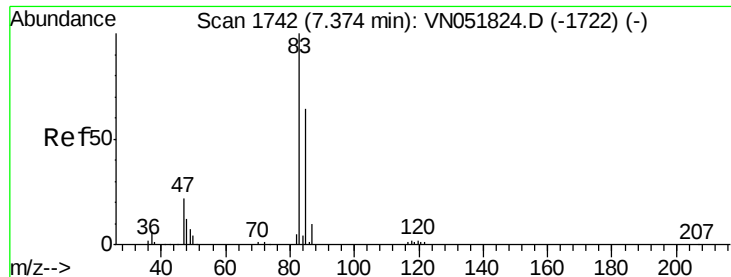
MMDadoda
 10/15/2018 11:27:48 AM



#24
 Methyl tert-Butyl Ether
 Concen: 18.03 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.9	5.4	8.0#





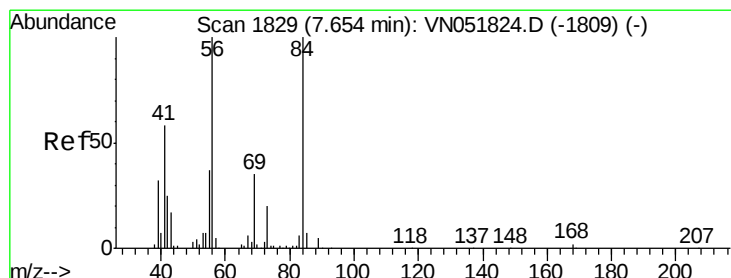
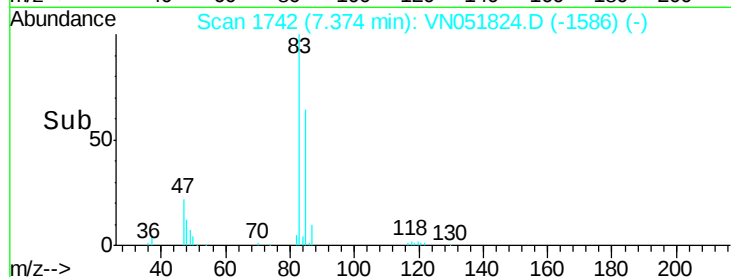
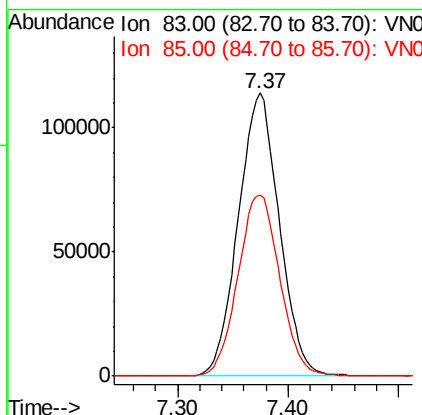
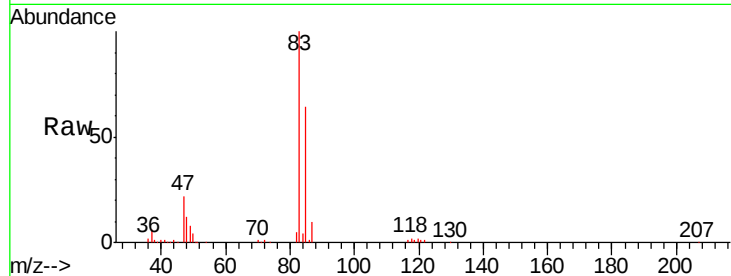
#25
Chloroform
Concen: 17.84 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	293798		
85	64.0	54.6	82.0	

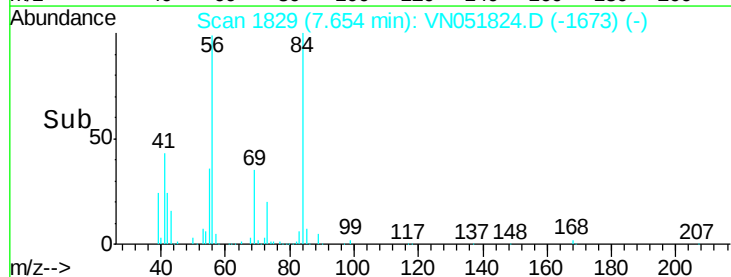
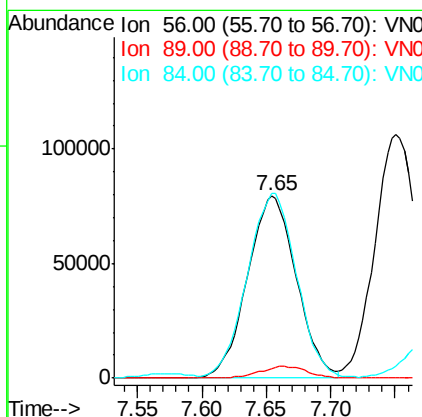
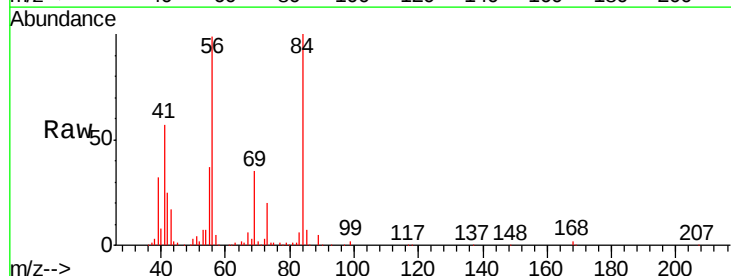
Manual Integrations
APPROVED

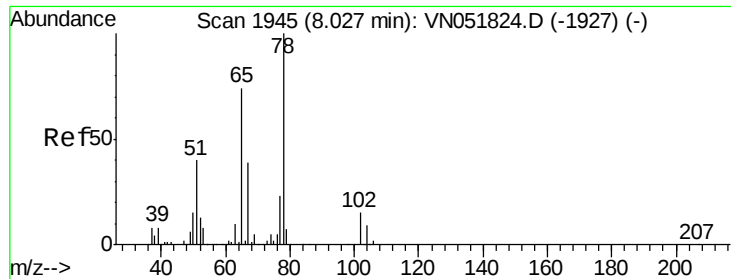
MMDadoda
10/15/2018 11:27:48 AM



#26
Cyclohexane
Concen: 15.01 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	209919		
89	4.2	1.5	2.3#	
84	100.9	64.2	96.4#	





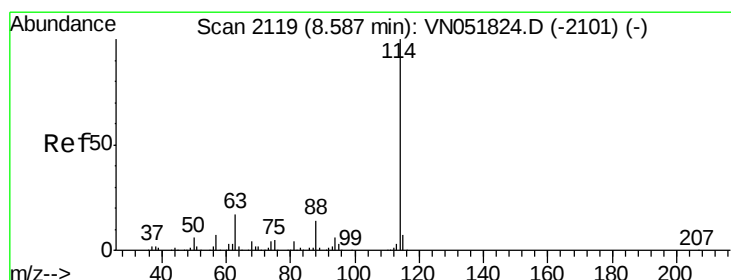
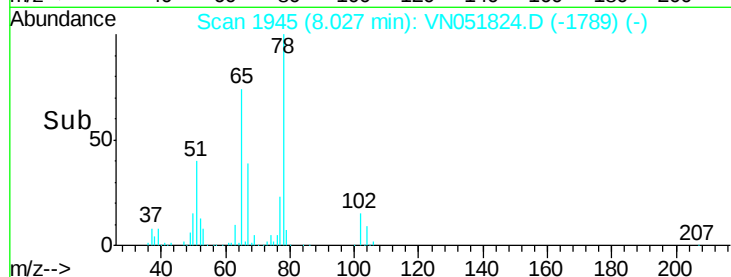
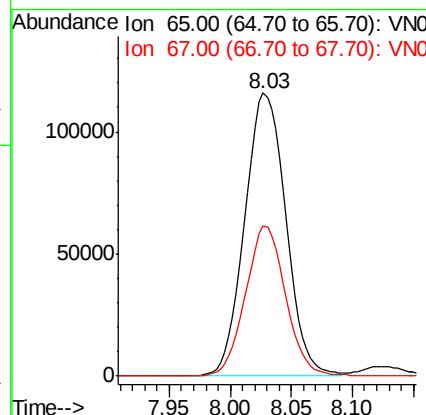
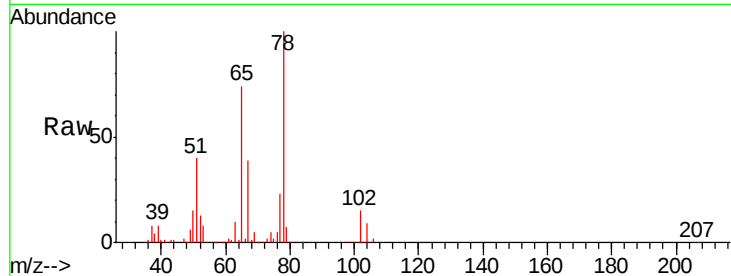
#27
 1,2-Dichloroethane-d4
 Concen: 15.01 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.6	41.8	62.8

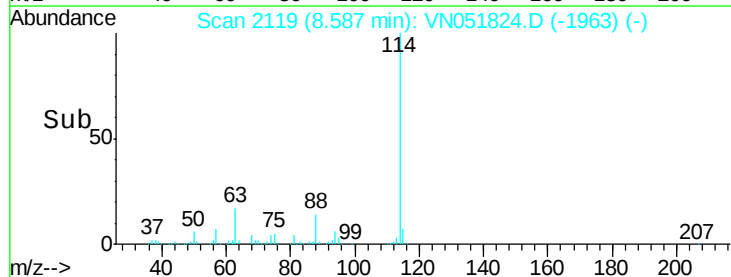
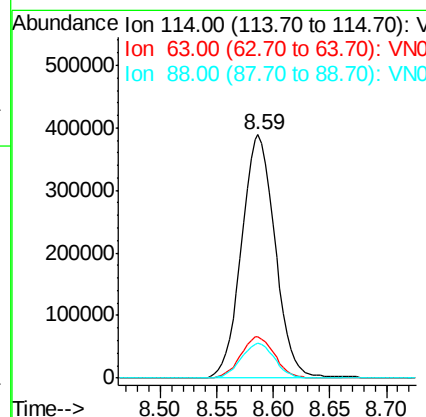
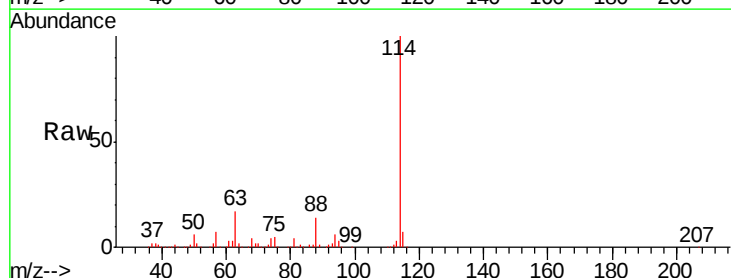
Manual Integrations
 APPROVED

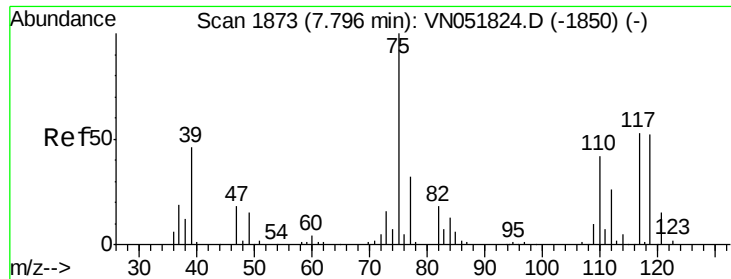
MMDadoda
 10/15/2018 11:27:48 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.1	16.2	24.2
88	14.4	12.2	18.4





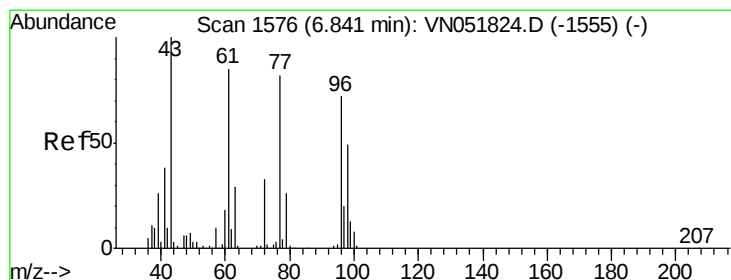
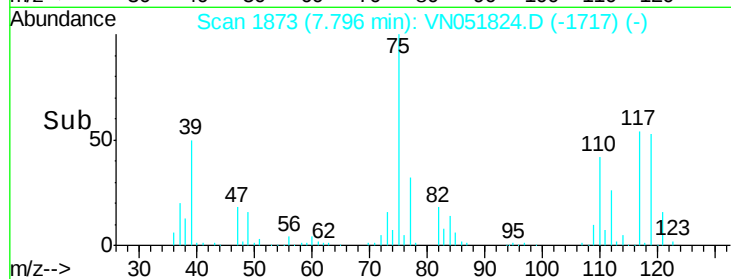
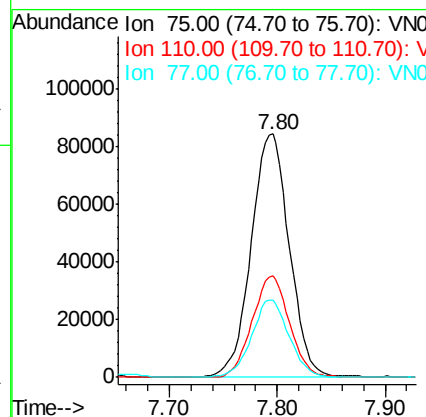
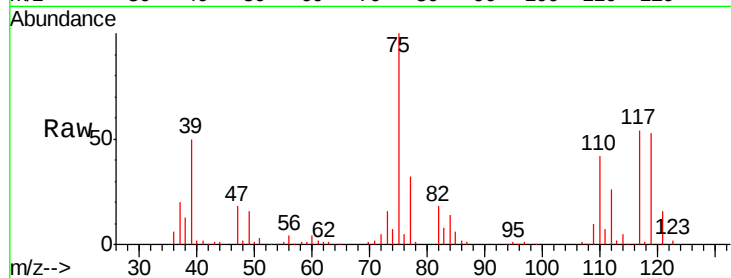
#29
 1,1-Dichloropropene
 Concen: 15.51 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.9	0.0	70.8
77	31.3	0.0	61.6

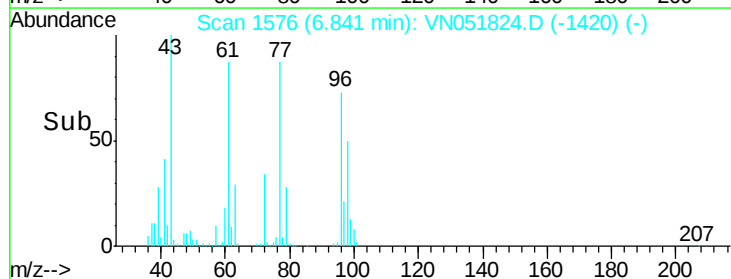
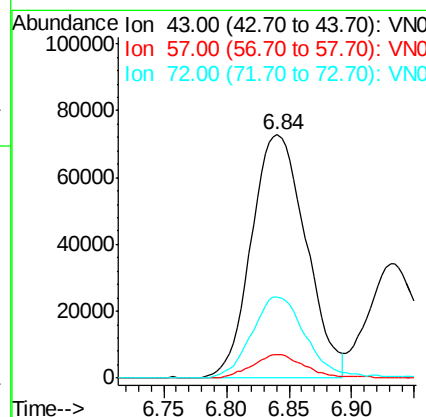
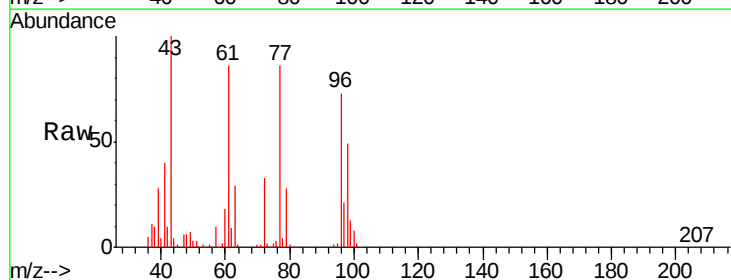
Manual Integrations
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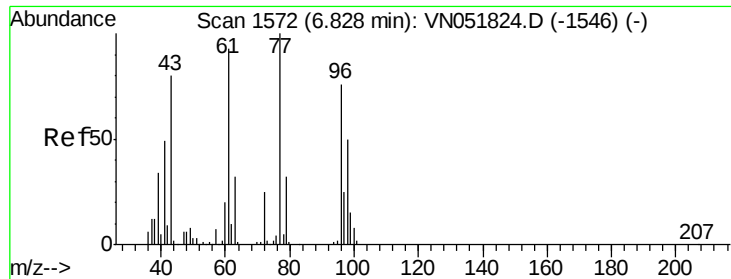
MMDadoda
 10/15/2018 11:27:48 AM



#30
 2-Butanone
 Concen: 64.64 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.2	4.5	6.7#
72	33.1	21.5	32.3#





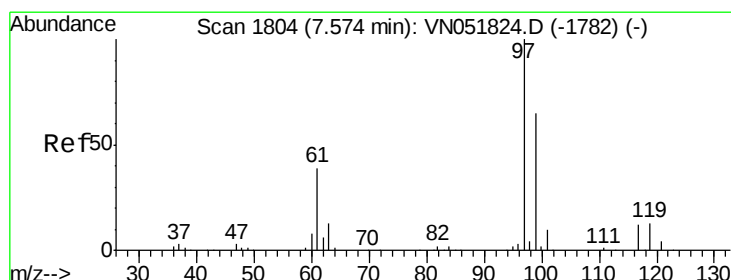
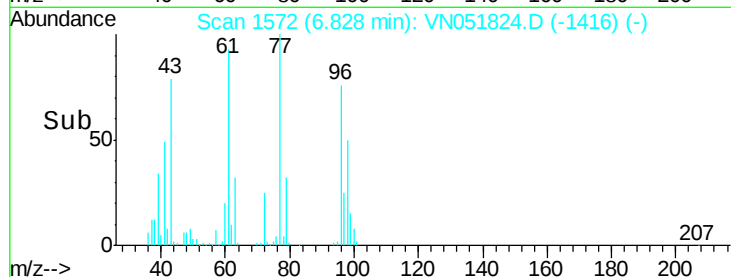
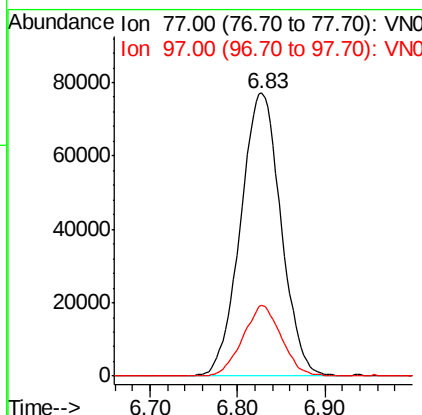
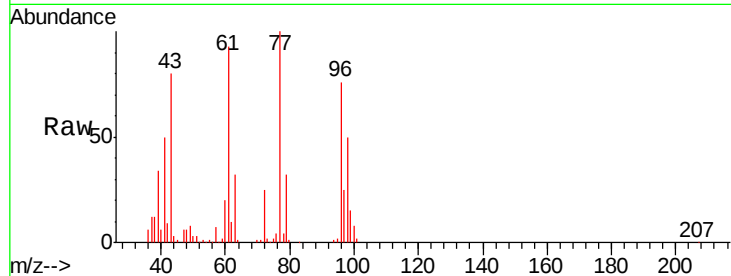
#31
 2,2-Dichloropropane
 Concen: 17.37 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 77 Resp: 247077
 Ion Ratio Lower Upper
 77 100
 97 24.0 12.0 18.0#

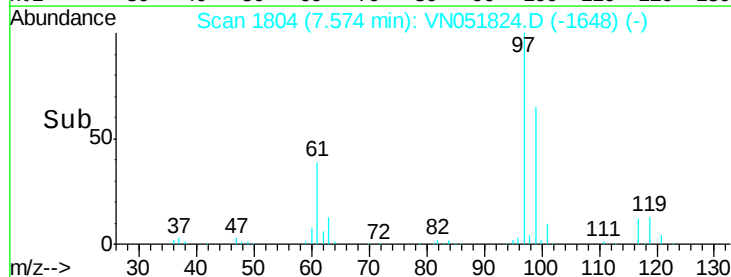
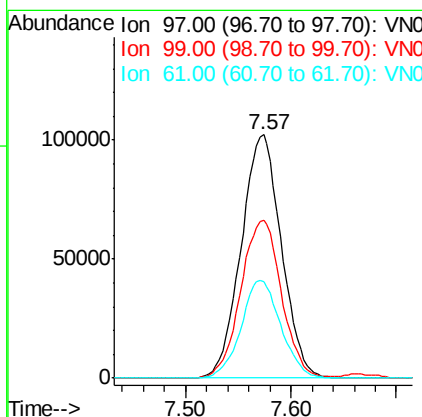
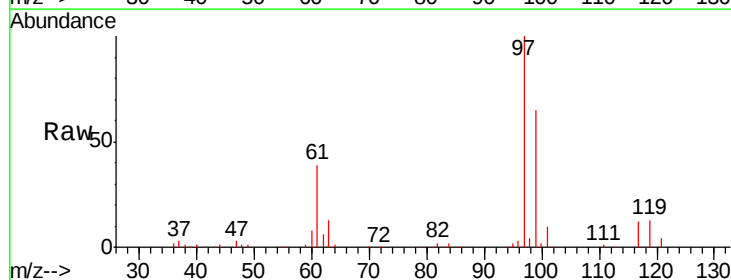
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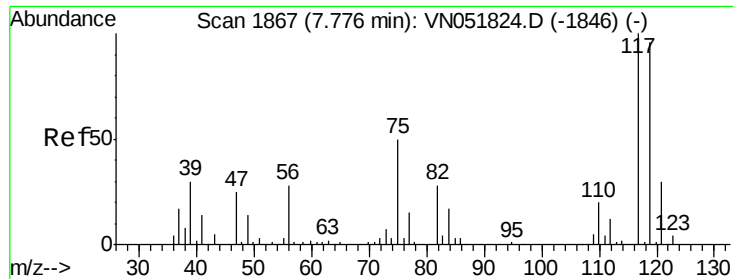
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#32
 1,1,1-Trichloroethane
 Concen: 17.78 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion: 97 Resp: 271015
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.6 77.4
 61 39.7 37.4 56.0





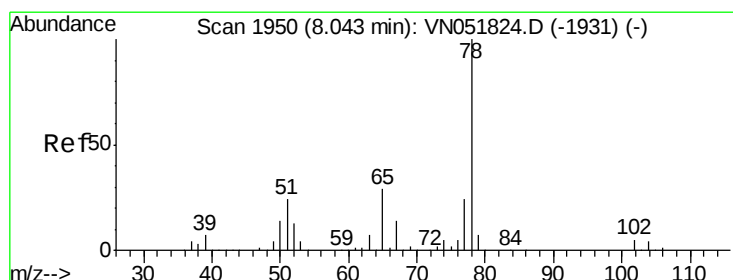
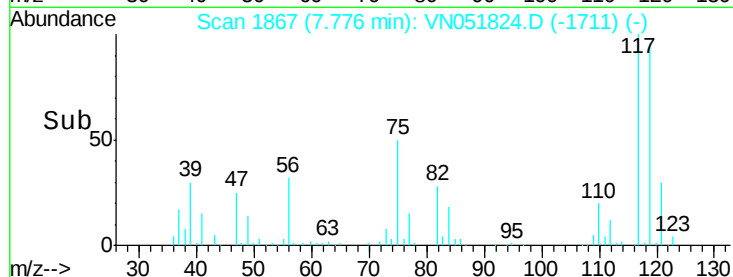
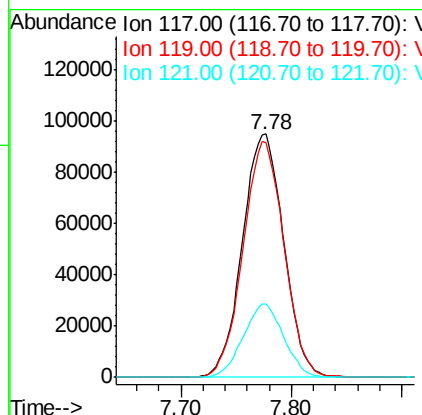
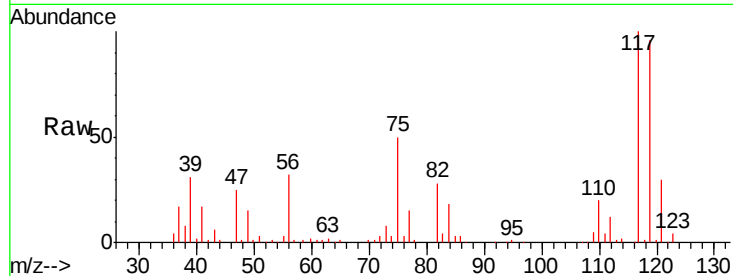
#33
Carbon Tetrachloride
Concen: 17.74 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 117 Resp: 246781
Ion Ratio Lower Upper
117 100
119 96.3 85.1 127.7
121 30.2 24.2 36.2

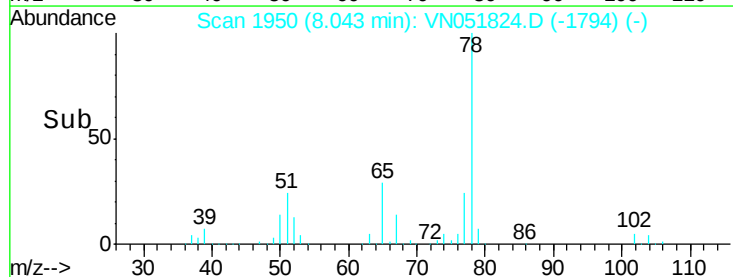
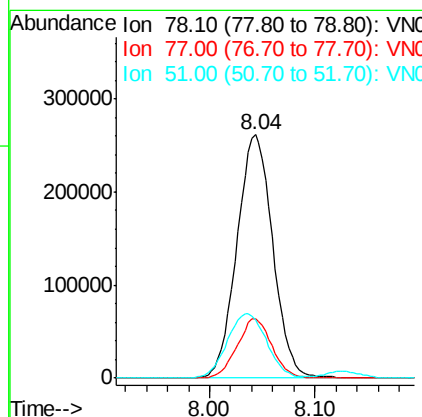
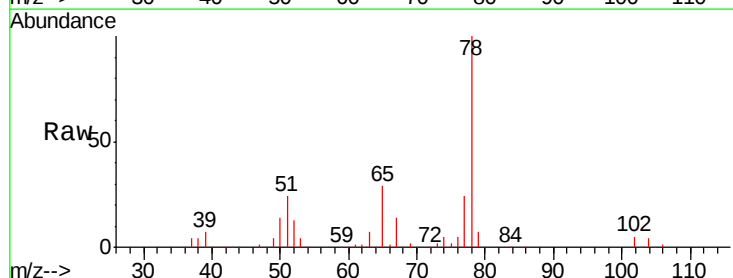
Manual Integrations
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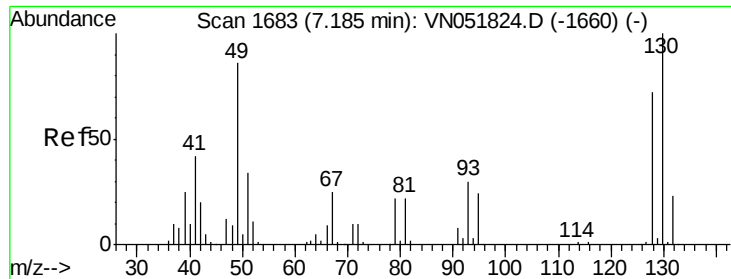
MMDadoda
10/15/2018 11:27:48 AM



#34
Benzene
Concen: 15.55 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion: 78 Resp: 617735
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2
51 23.6 46.2 69.4#





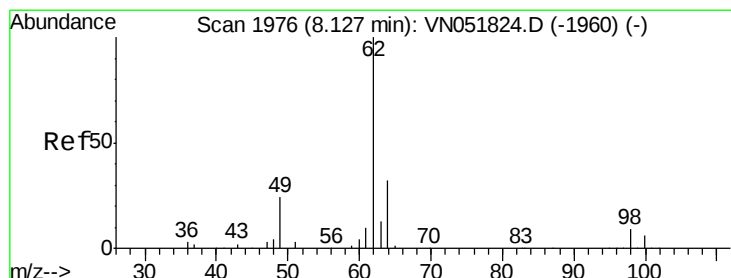
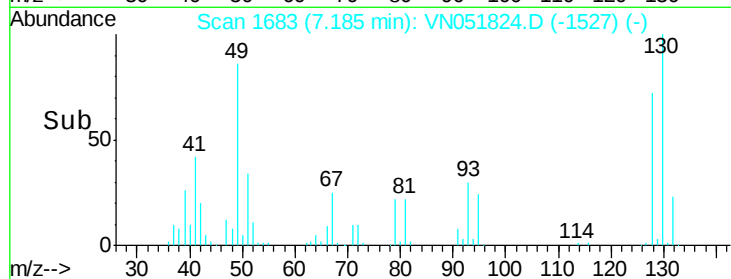
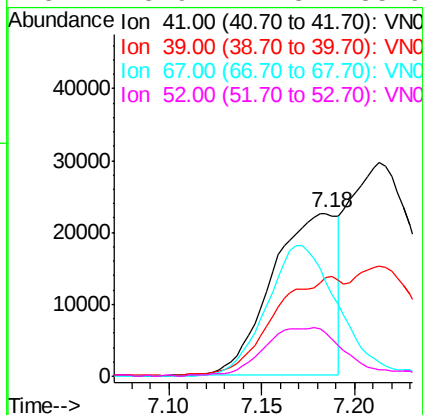
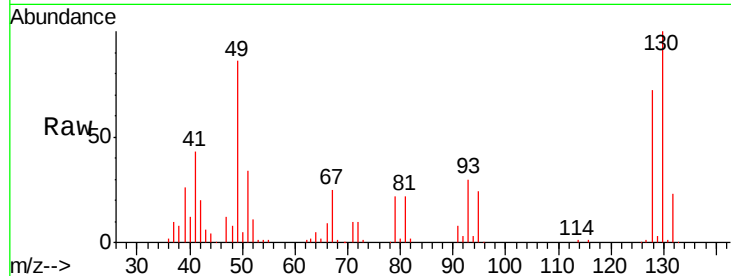
#35
Methacrylonitrile
Concen: 12.81 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.8	22.6	67.7	
67	58.8	28.9	86.8	
52	25.9	11.3	33.9	

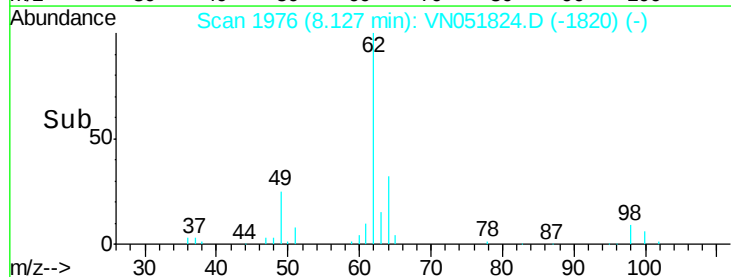
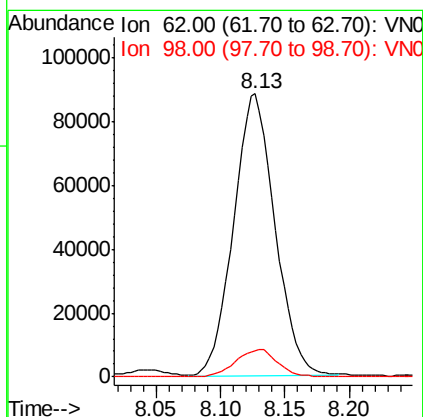
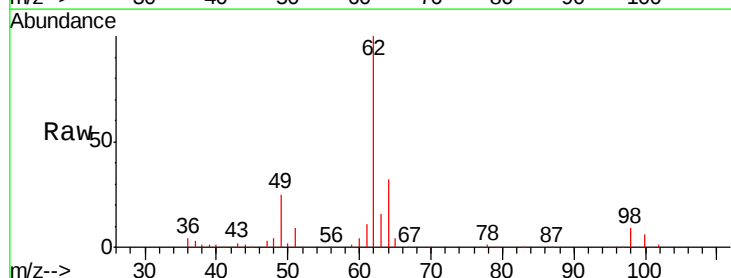
Manual Integrations
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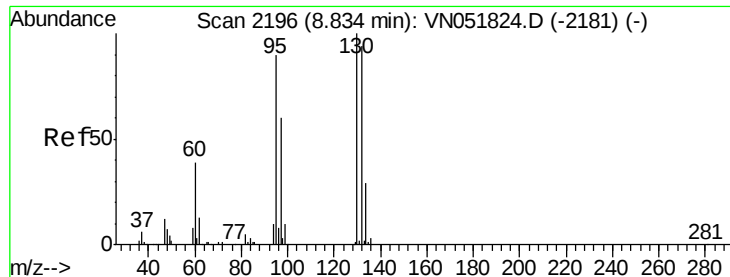
MMDadoda
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#36
1,2-Dichloroethane
Concen: 15.40 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	6.9	10.3	





#37

Trichloroethene

Concen: 18.17 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 130 Resp: 190432

Ion Ratio Lower Upper

130 100

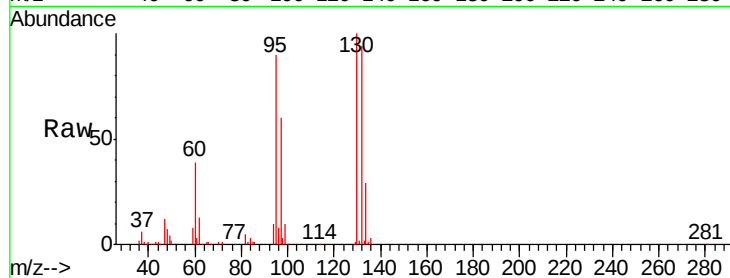
95 89.9 76.4 114.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

100000

80000

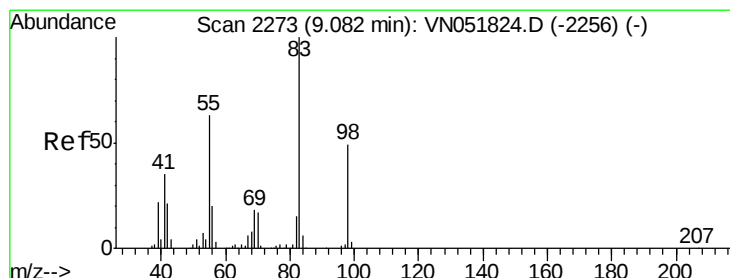
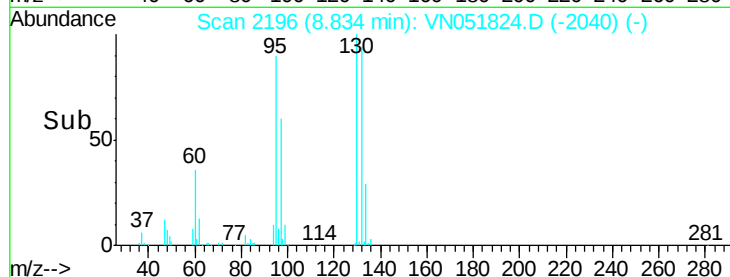
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 17.35 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

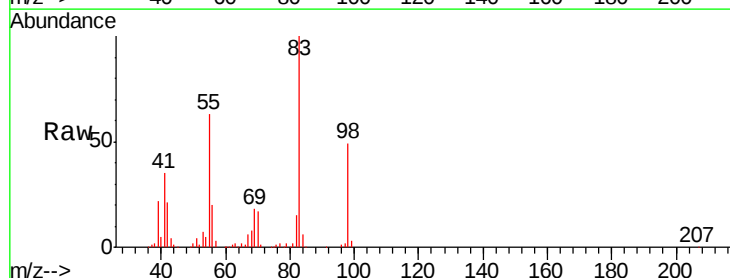
Tgt Ion: 83 Resp: 265139

Ion Ratio Lower Upper

83 100

55 62.4 43.0 129.2

98 49.4 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

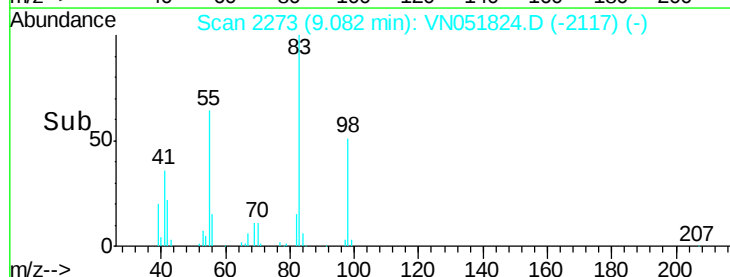
150000

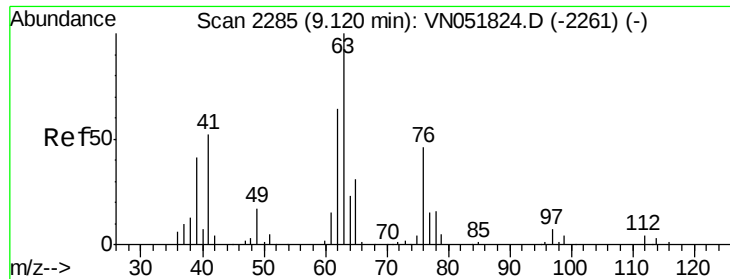
100000

50000

0

Time-->





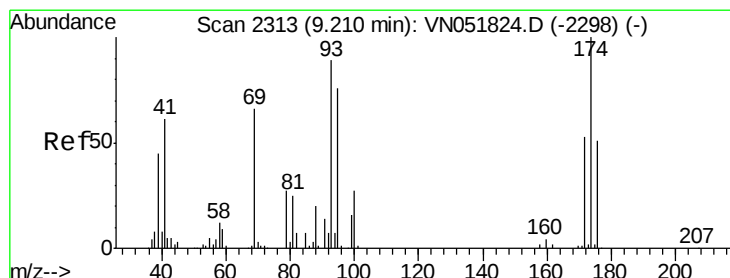
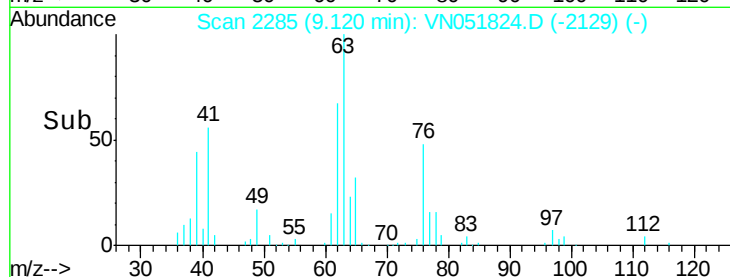
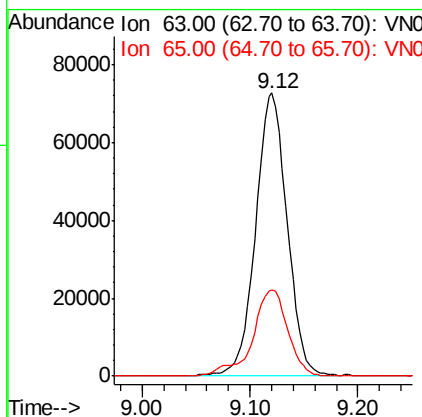
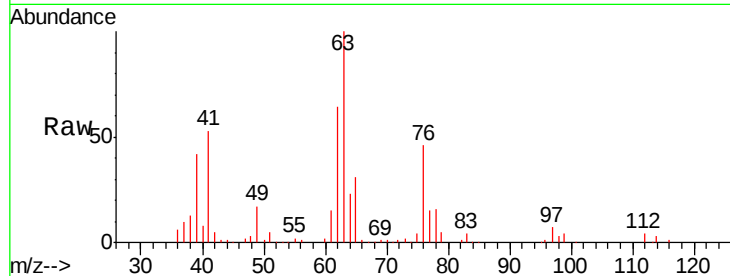
#39
 1,2-Dichloropropane
 Concen: 13.64 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 63 Resp: 147400
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.2 34.8

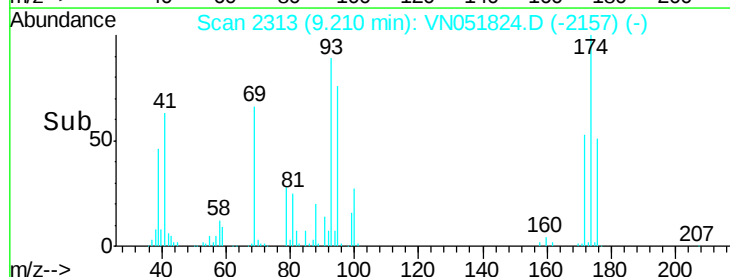
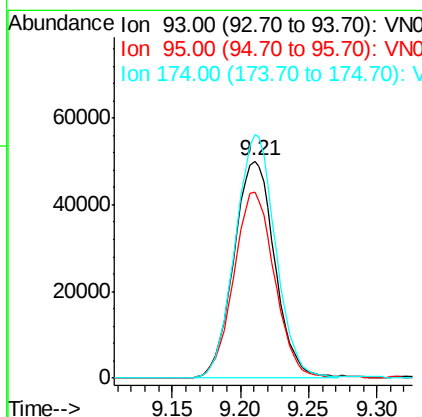
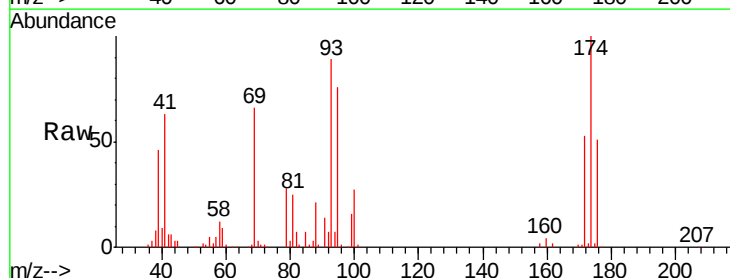
Manual Integrations
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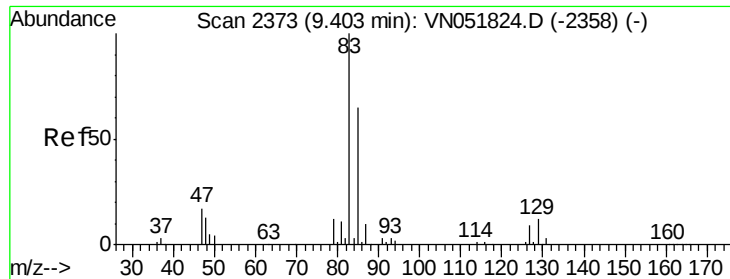
MMDadoda
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#40
 Dibromomethane
 Concen: 17.07 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion: 93 Resp: 104942
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 162.0
 174 110.5 0.0 214.0





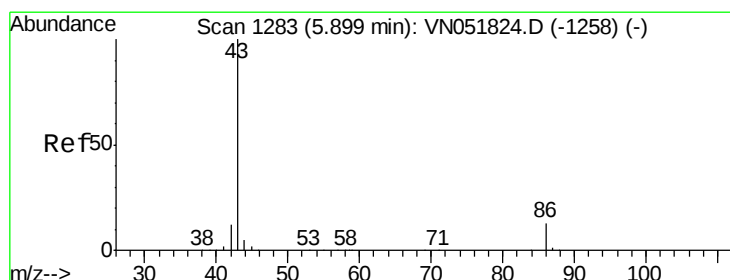
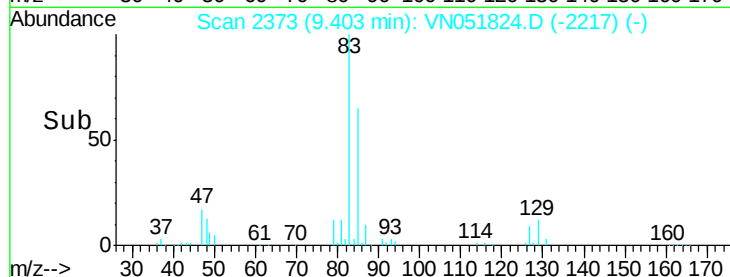
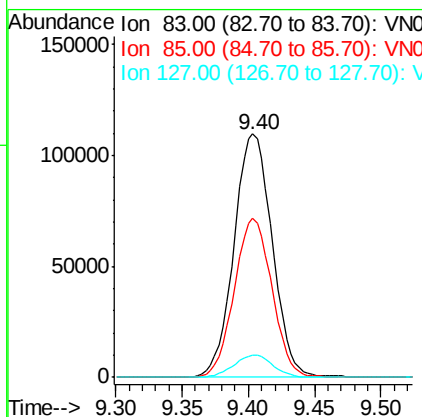
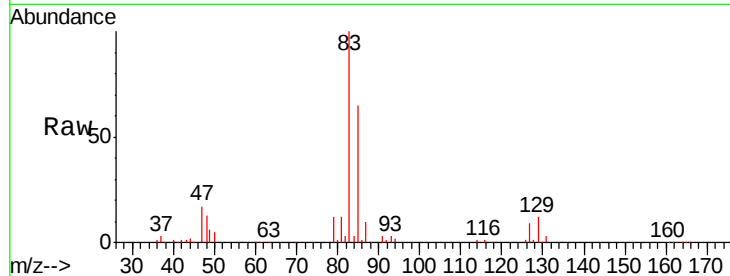
#41
 Bromodichloromethane
 Concen: 16.32 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	55.7	83.5
127	10.2	8.2	12.4

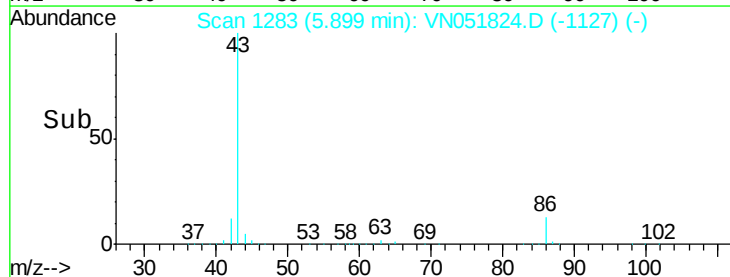
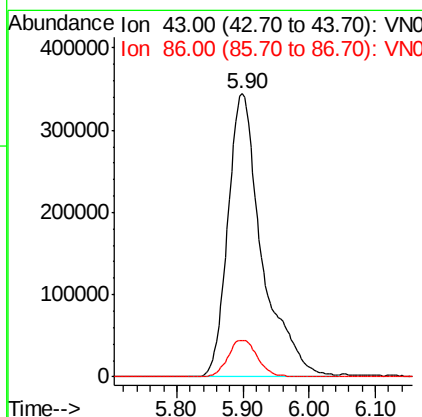
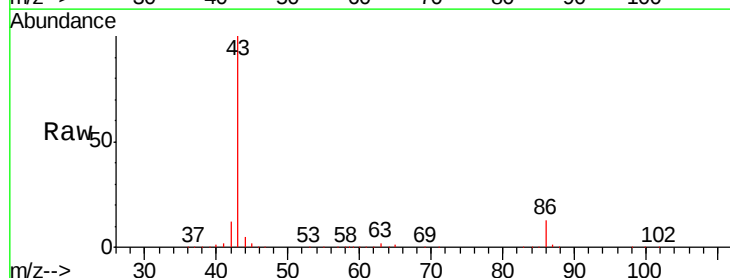
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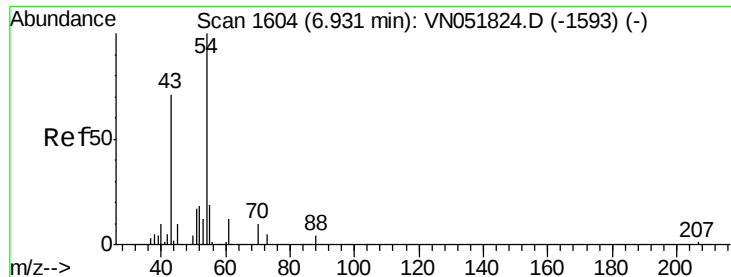
MMDadoda
 10/15/2018 11:27:48 AM



#42
 Vinyl Acetate
 Concen: 64.50 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.3	6.5	9.7#





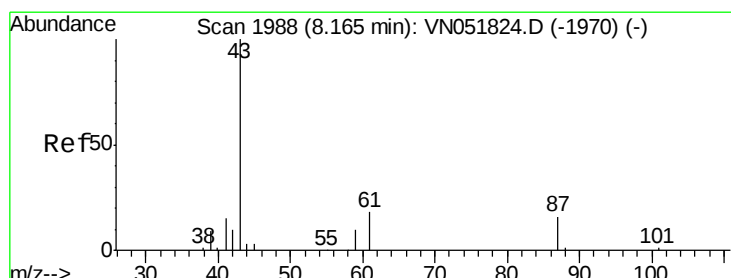
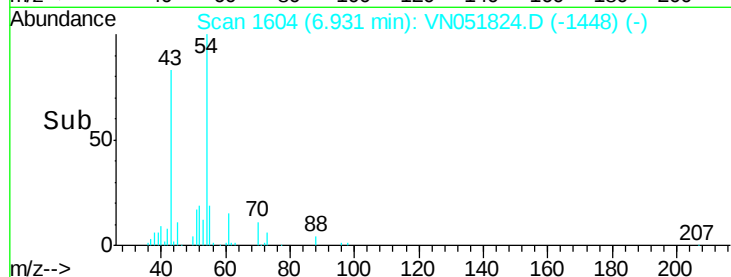
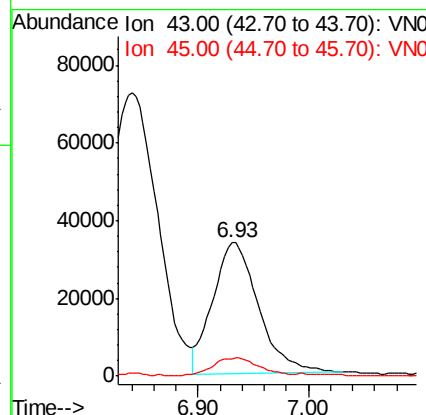
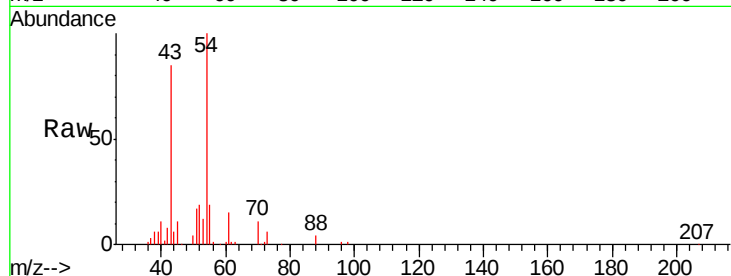
#43
Ethyl Acetate
Concen: 13.63 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 97360
Ion Ratio Lower Upper
43 100
45 14.4 11.0 16.6

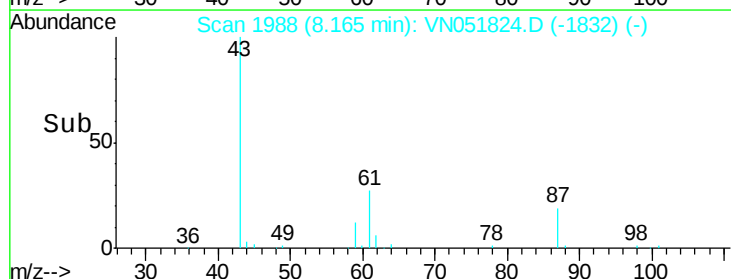
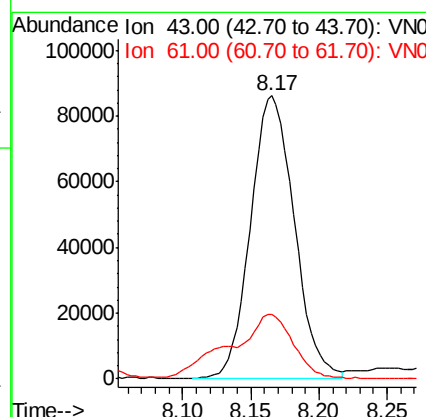
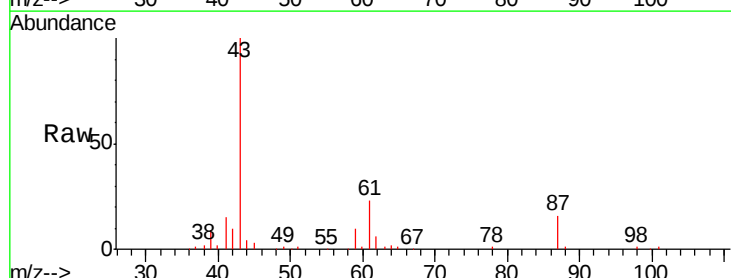
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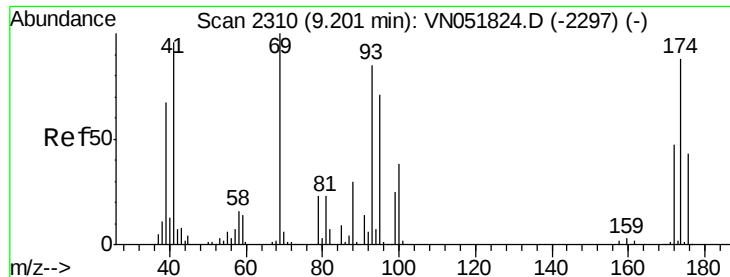
MMDadoda
10/15/2018 11:27:48 AM



#44
Isopropyl Acetate
Concen: 13.98 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion: 43 Resp: 191258
Ion Ratio Lower Upper
43 100
61 20.4 15.9 23.9





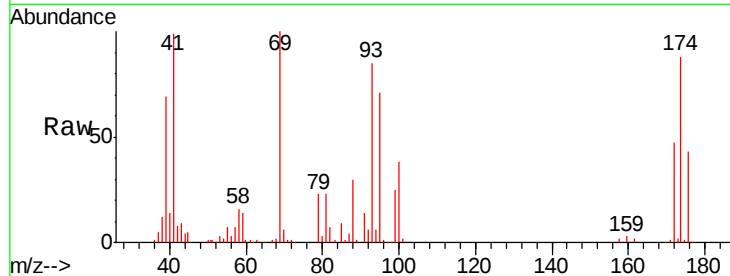
#45
 1,4-Dioxane
 Concen: 357.80 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

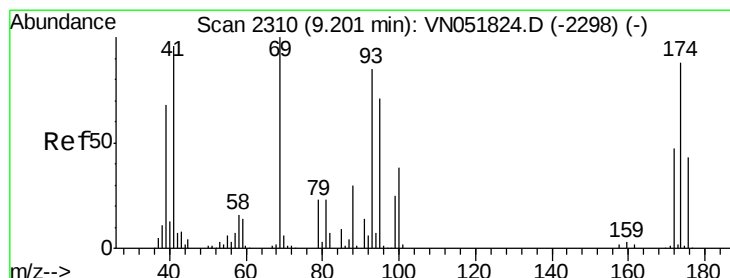
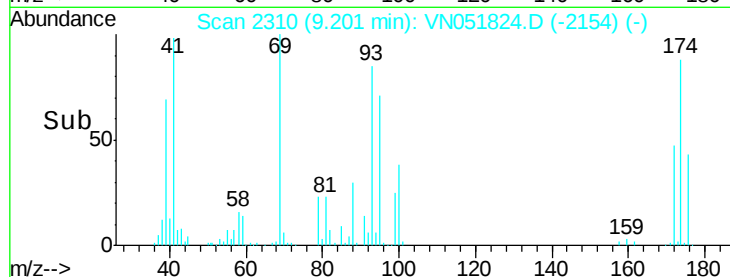
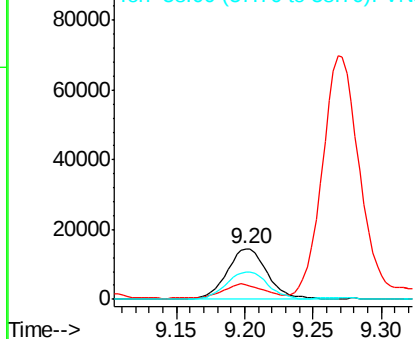
Tgt Ion	Ratio	Resp	Lower	Upper
88	100	29936		
43	26.2	26.2	39.2	
58	55.6	65.6	98.4#	

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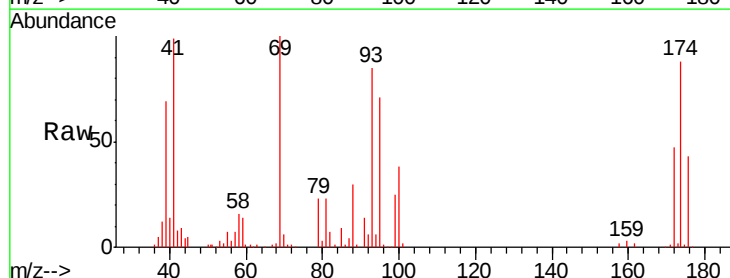


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

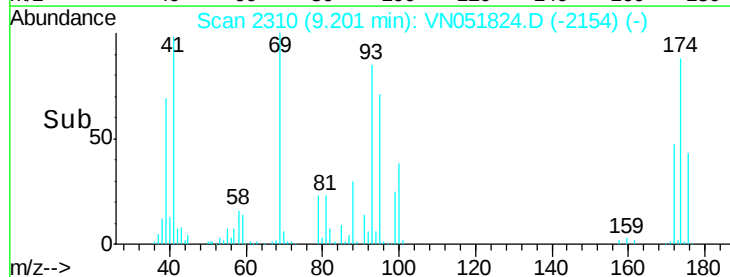
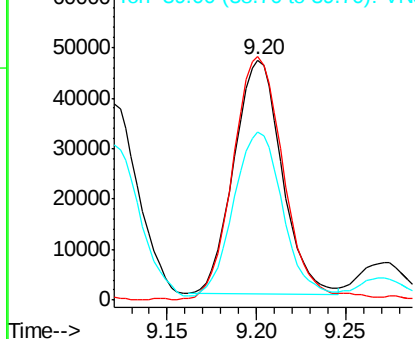


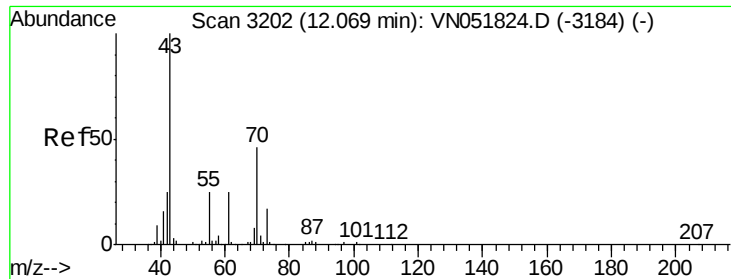
#46
 Methyl methacrylate
 Concen: 12.84 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	87235		
69	103.8	40.7	122.1	
39	70.4	27.3	81.9	



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





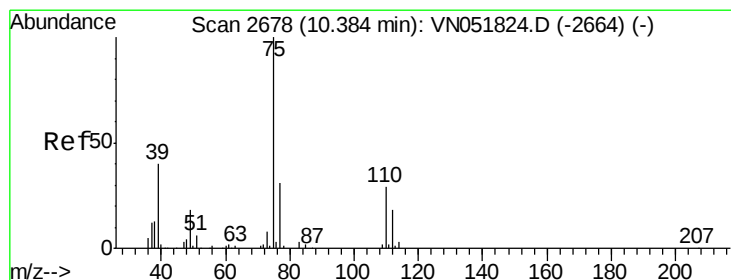
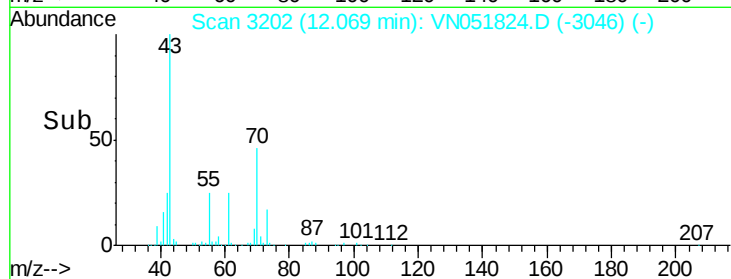
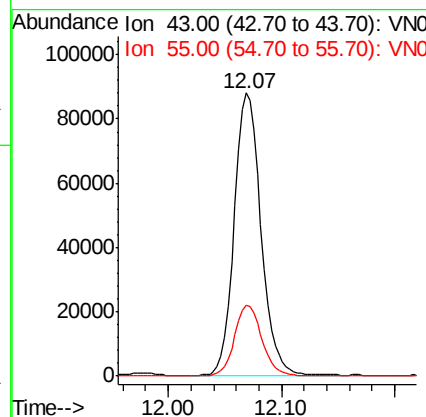
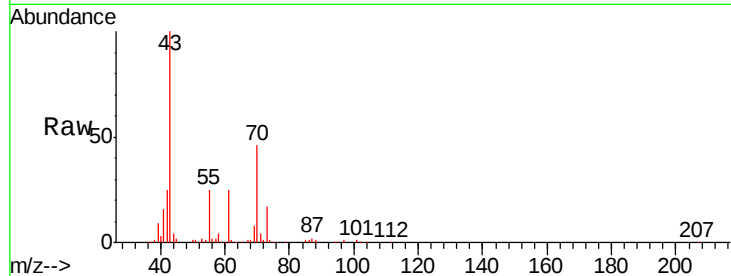
#47
n-amyl Acetate
Concen: 13.38 ug/l m
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 145403
Ion Ratio Lower Upper
43 100
55 0.2 12.2 18.4#

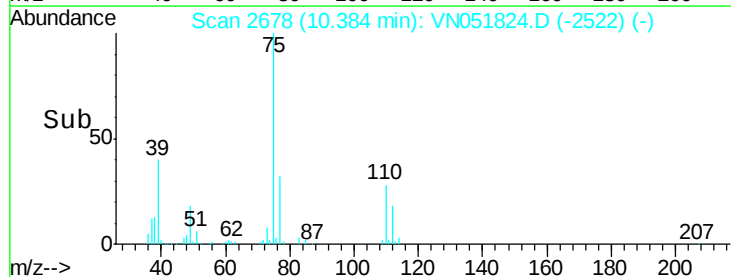
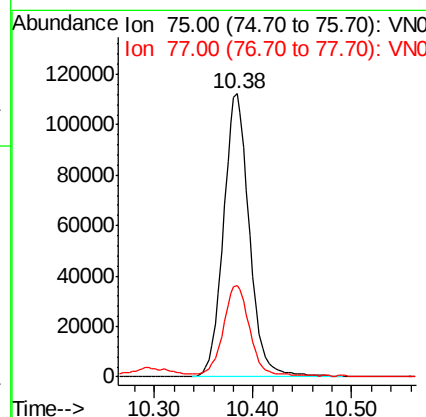
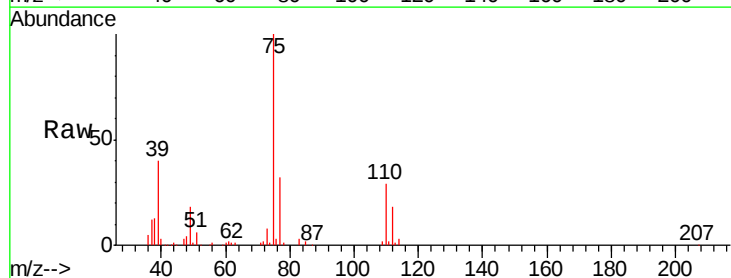
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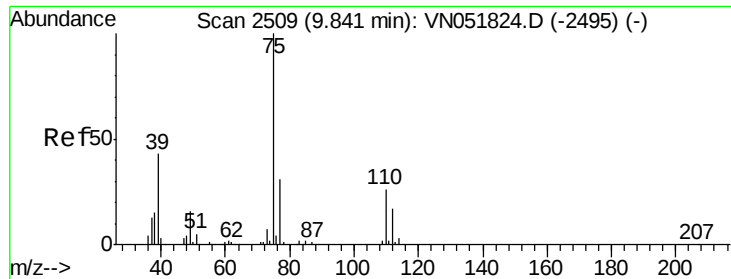
MMDadoda
10/15/2018 11:27:48 AM



#48
t-1,3-Dichloropropene
Concen: 15.53 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion: 75 Resp: 206095
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0





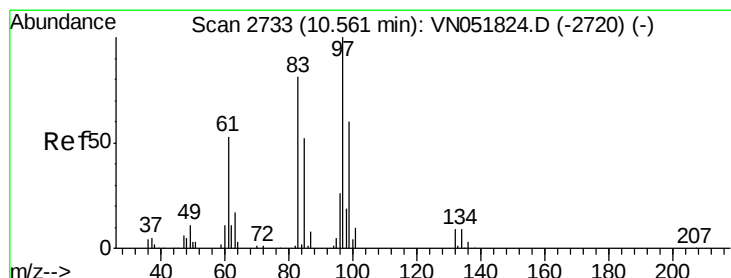
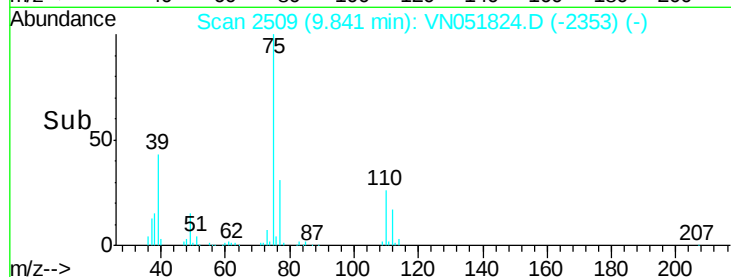
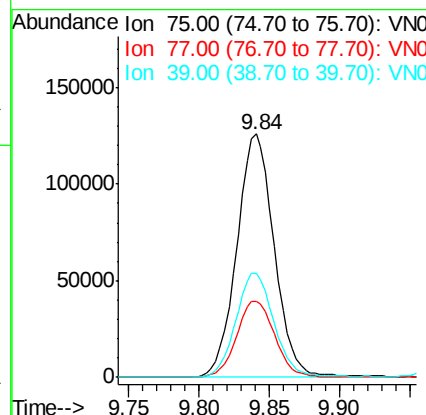
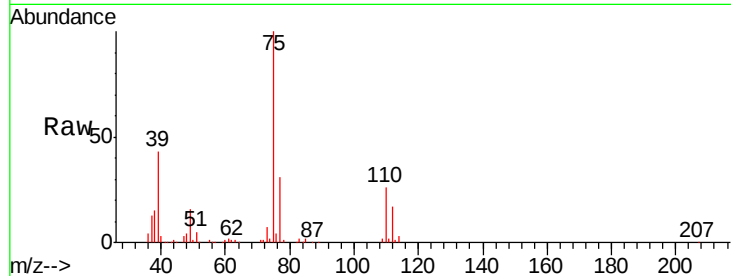
#49
 cis-1,3-Dichloropropene
 Concen: 15.07 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	23.2	34.8
39	42.6	34.6	52.0

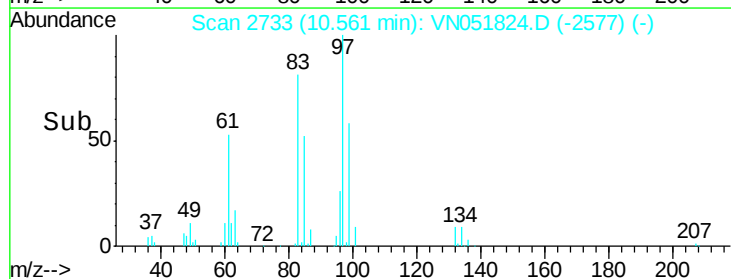
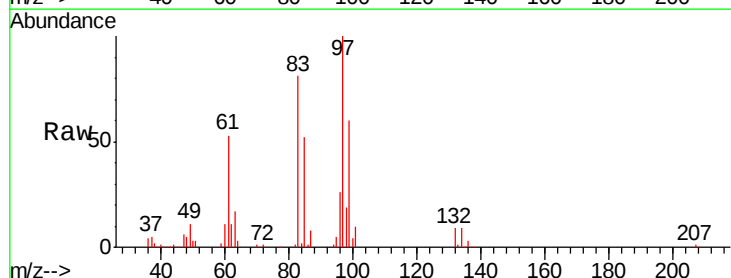
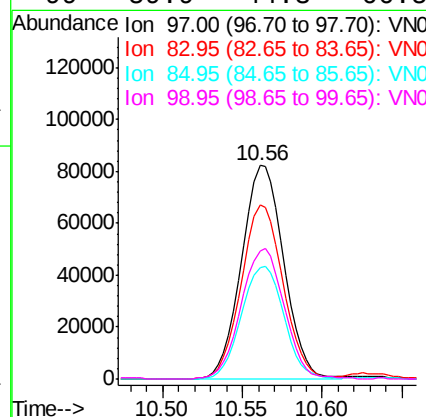
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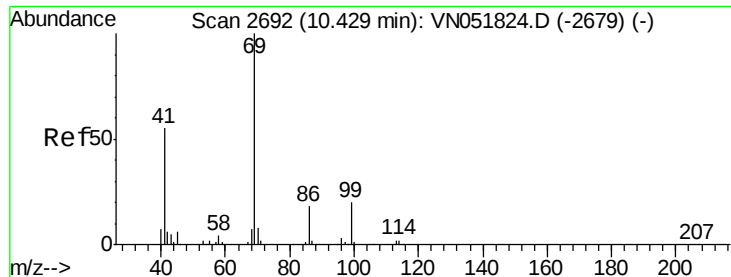
MMDadoda
 10/15/2018 11:27:48 AM



#50
 1,1,2-Trichloroethane
 Concen: 16.94 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.1	68.2	102.4
85	52.1	42.5	63.7
99	59.9	44.3	66.5





#51

Ethyl methacrylate

Concen: 16.23 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 69 Resp: 166566
Ion Ratio Lower Upper

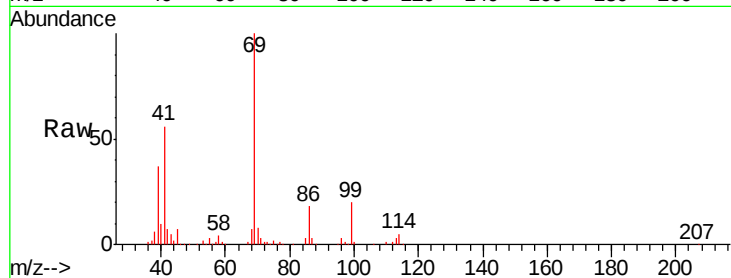
69 100

41 55.5 34.4 103.1

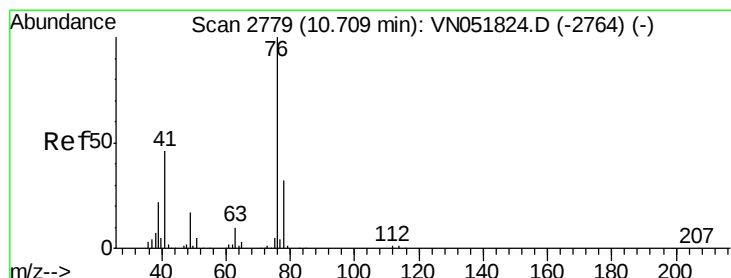
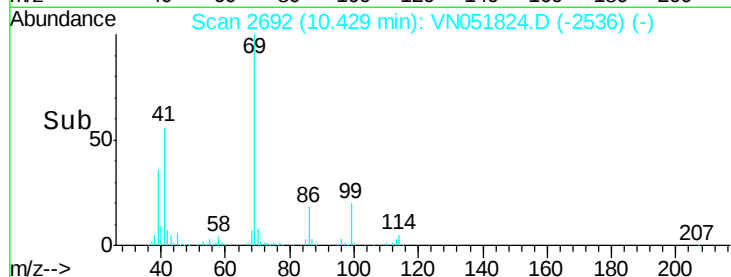
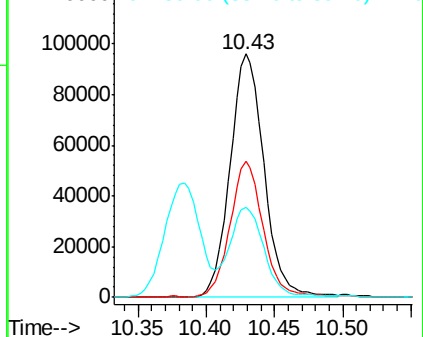
39 36.3 16.3 48.8

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



#52

1,3-Dichloropropane

Concen: 15.50 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

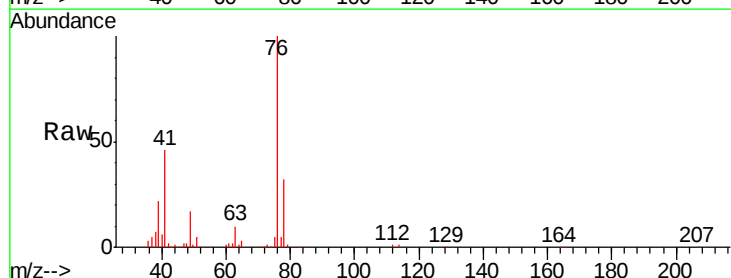
Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

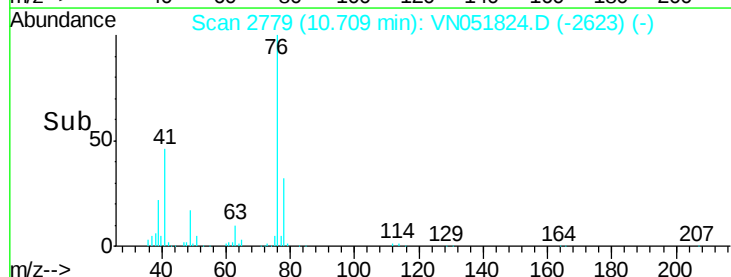
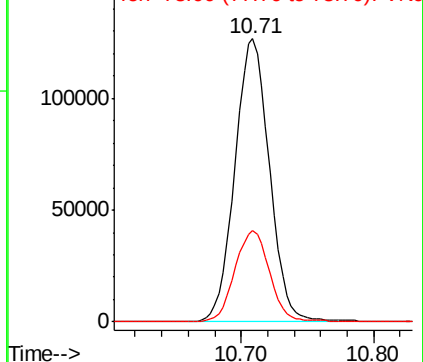
Tgt Ion: 76 Resp: 229399
Ion Ratio Lower Upper

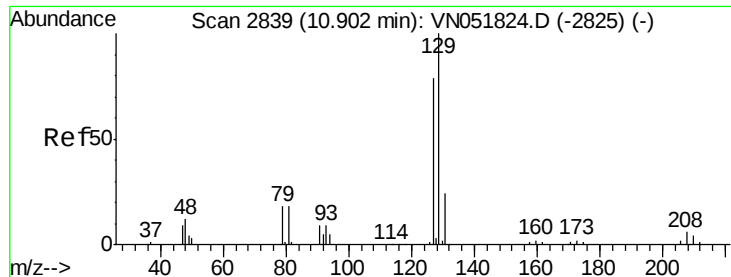
76 100

78 32.4 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0





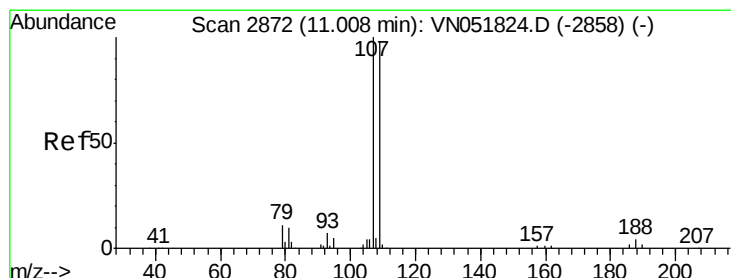
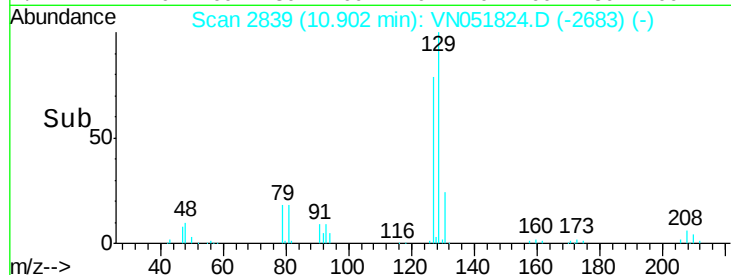
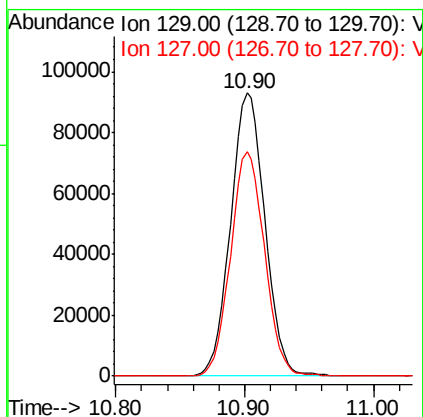
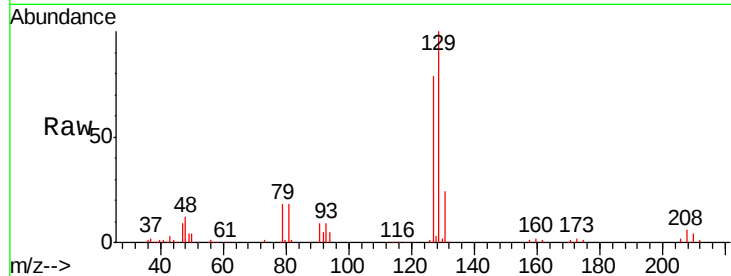
#53
Dibromochloromethane
Concen: 17.03 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:129 Resp: 171705
Ion Ratio Lower Upper
129 100
127 78.5 40.2 120.5

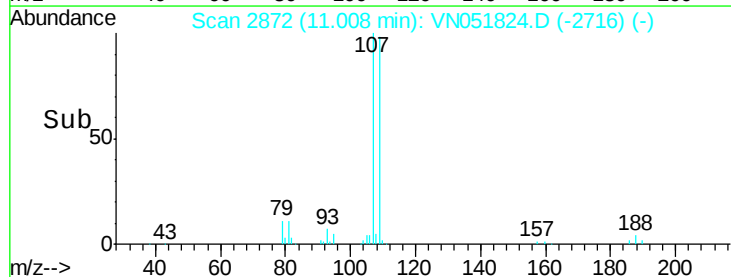
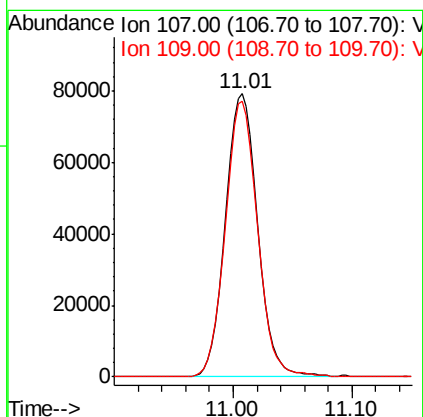
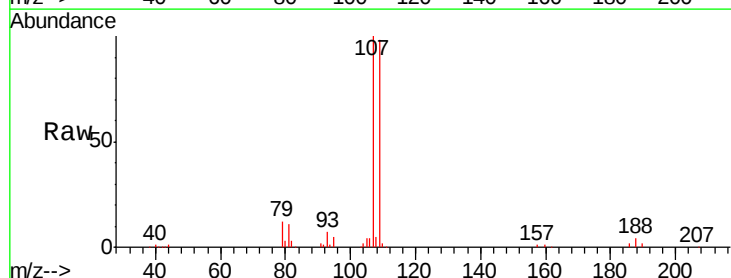
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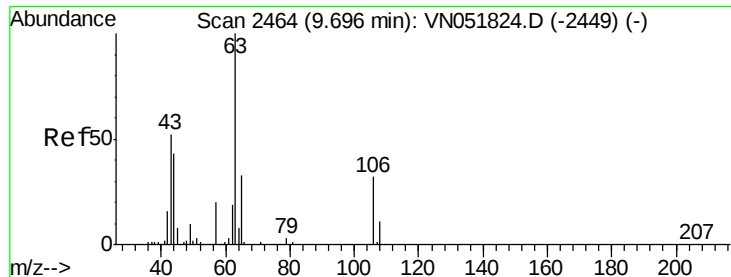
MMDadoda
10/15/2018 11:27:48 AM



#54
1,2-Dibromoethane
Concen: 17.68 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion:107 Resp: 148863
Ion Ratio Lower Upper
107 100
109 97.3 77.4 116.0





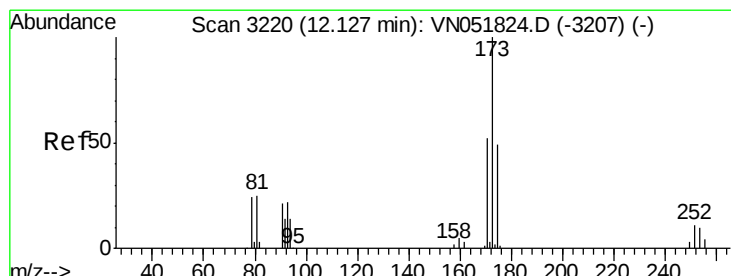
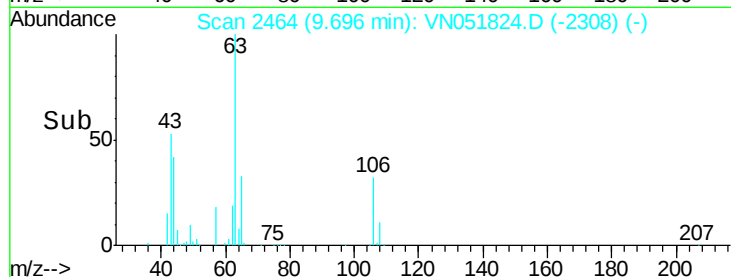
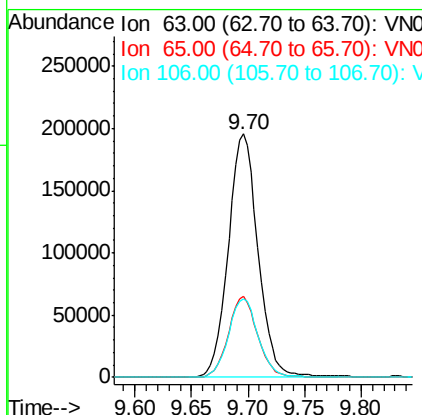
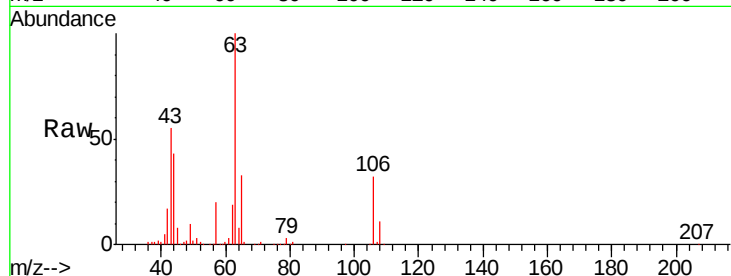
#55
 2-Chloroethyl vinyl ether
 Concen: 69.89 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.4	38.0
106	32.5	21.2	31.8

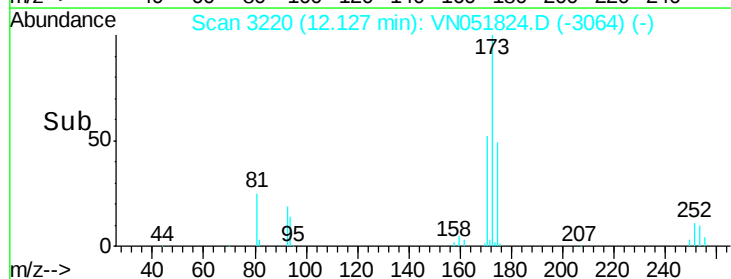
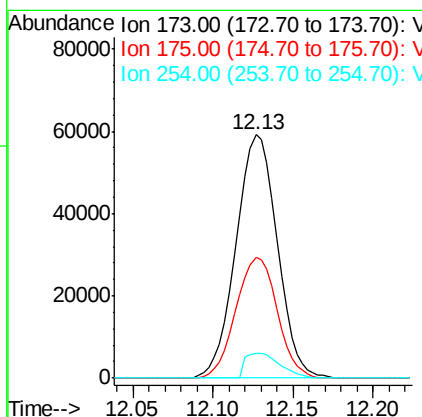
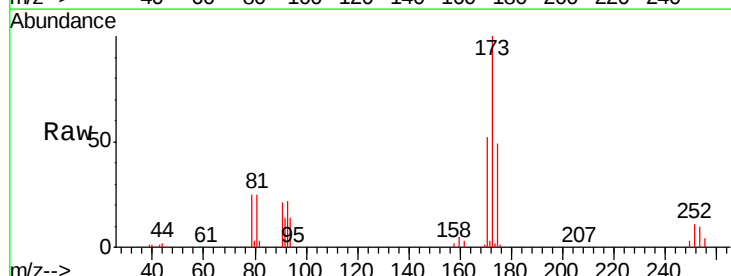
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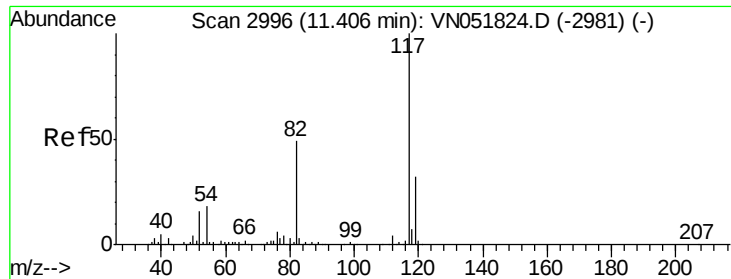
MMDadoda
 10/15/2018 11:27:48 AM



#56
 Bromoform
 Concen: 15.43 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	35.8	53.8
254	8.5	8.6	13.0





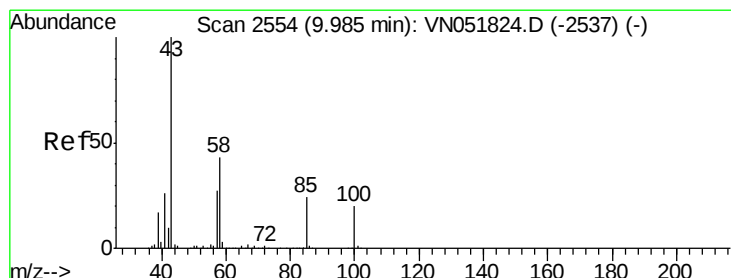
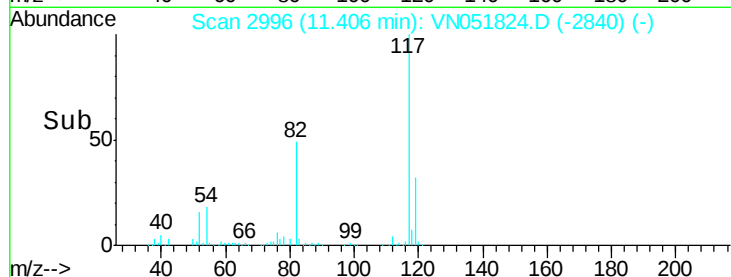
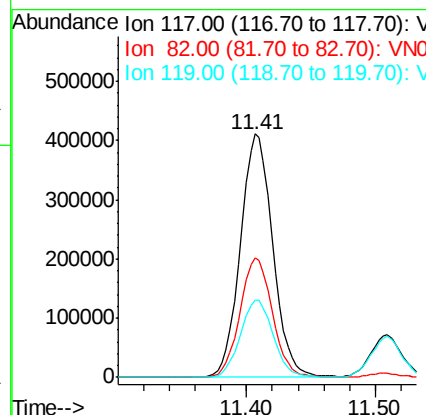
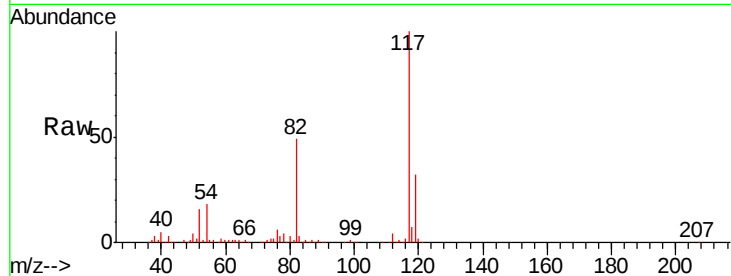
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	49.3	44.1	66.1
119	32.2	25.8	38.8

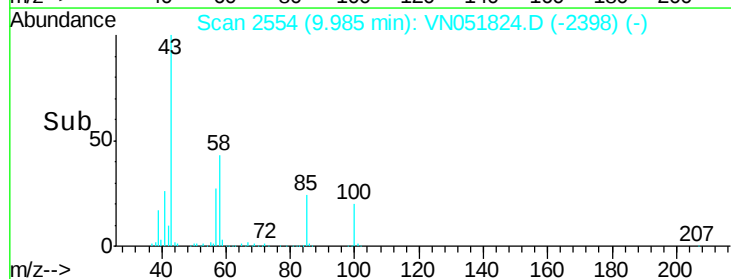
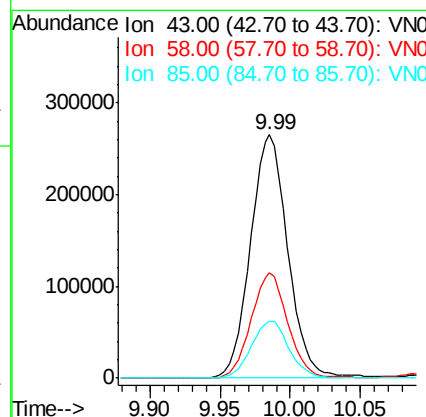
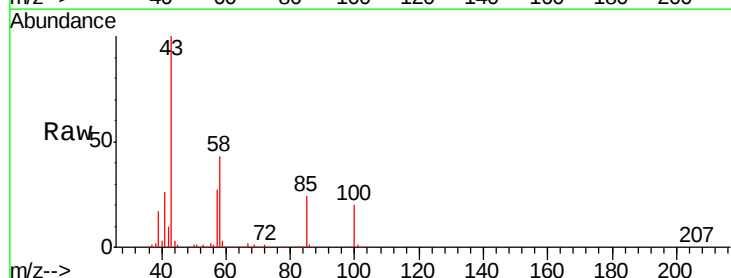
Manual Integrations
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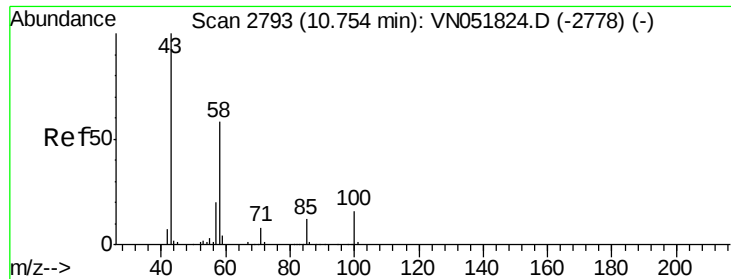
MMDadoda
10/15/2018 11:27:48 AM



#58
4-Methyl-2-Pentanone
Concen: 65.82 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	42.8	29.3	43.9
85	23.7	12.6	18.8





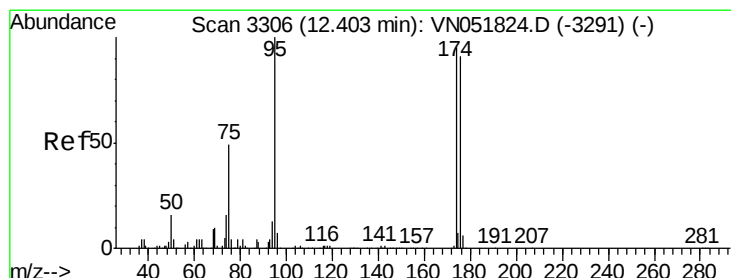
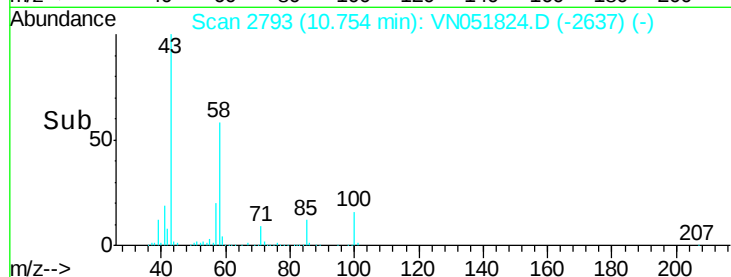
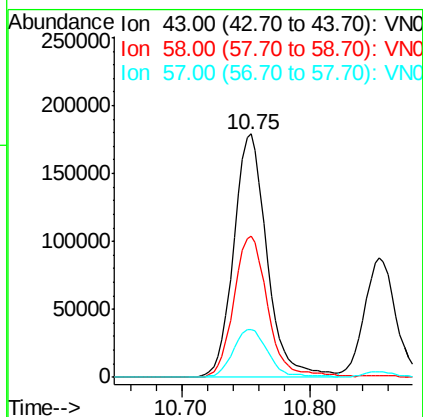
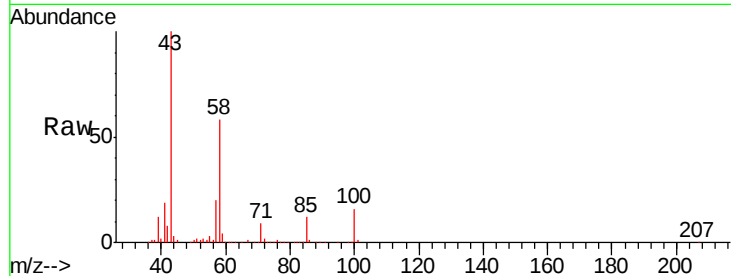
#59
2-Hexanone
Concen: 65.99 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	59.8	41.3	61.9
57	20.8	13.4	20.0

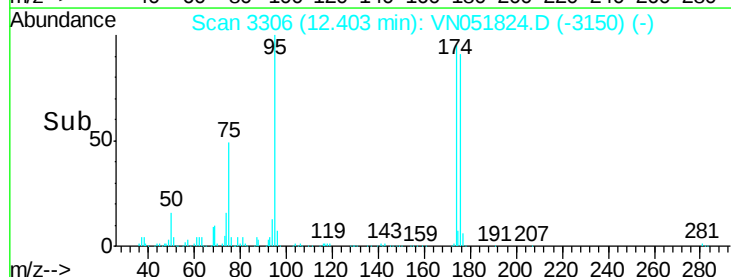
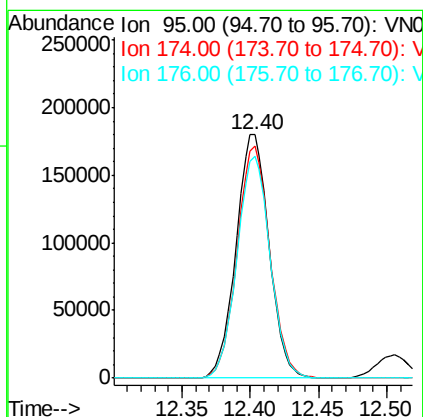
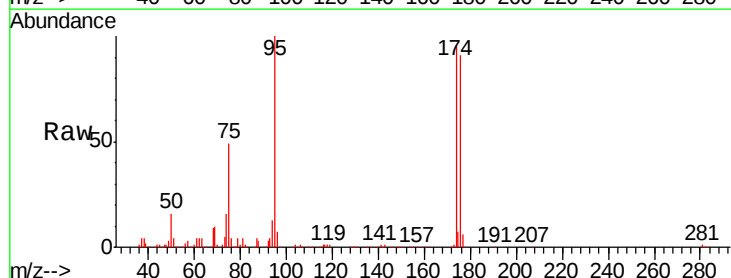
Manual Integrations
APPROVED

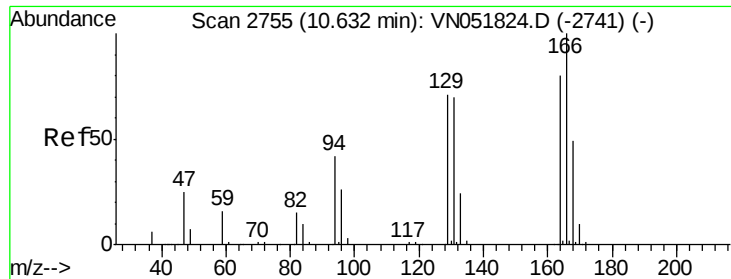
MMDadoda
10/15/2018 11:27:48 AM



#60
4-Bromofluorobenzene
Concen: 65.99 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.7	73.5	110.3
176	91.4	70.2	105.2





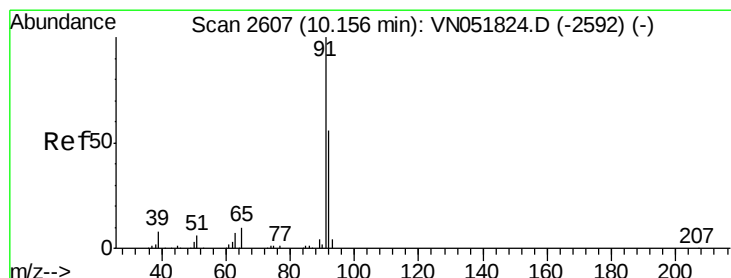
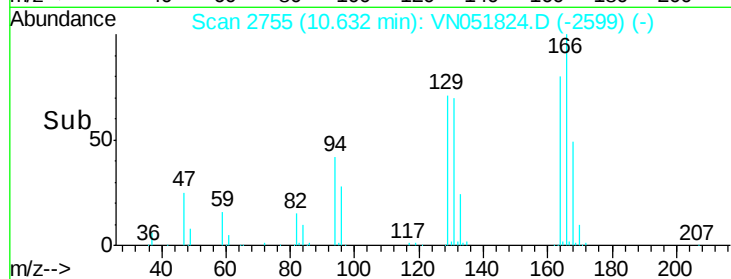
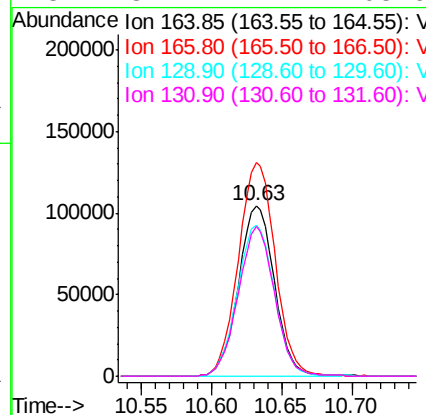
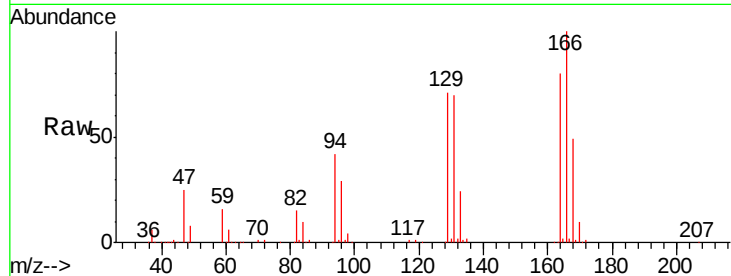
#61
Tetrachloroethene
Concen: 18.99 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	187157		
166	125.4	98.7	148.1	
129	88.9	69.6	104.4	
131	87.7	72.4	108.6	

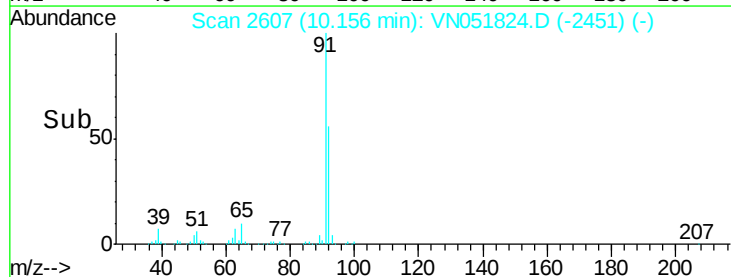
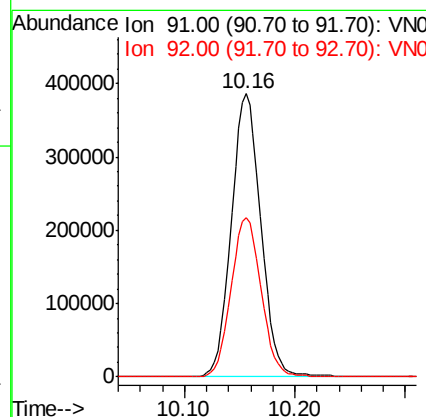
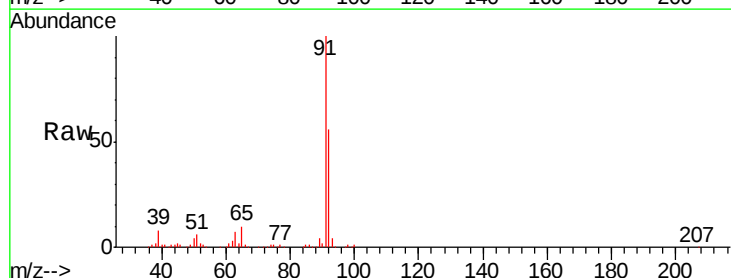
Manual Integrations
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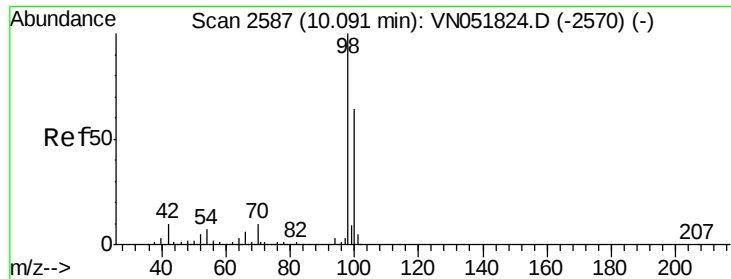
MMDadoda
10/15/2018 11:27:48 AM



#62
Toluene
Concen: 16.54 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	717524		
92	57.1	44.6	66.8	





#63

Toluene-d8

Concen: 16.54 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 98 Resp: 958541

Ion Ratio Lower Upper

98 100

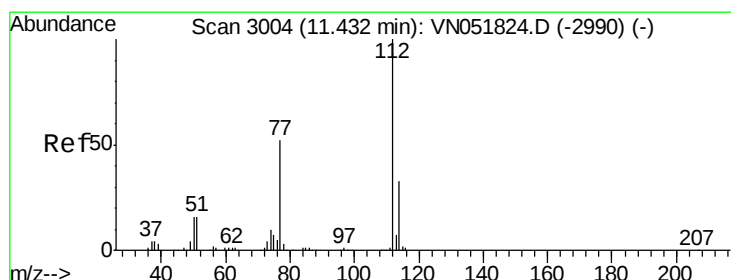
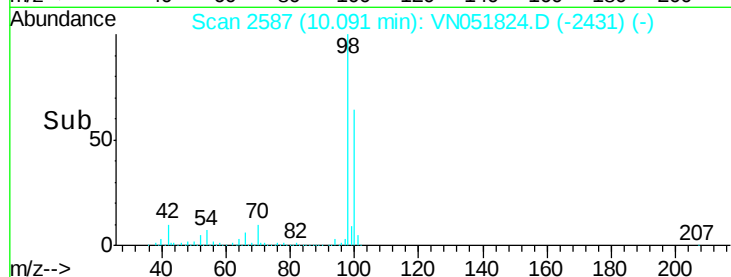
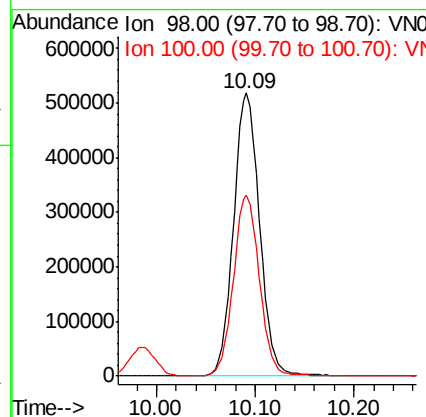
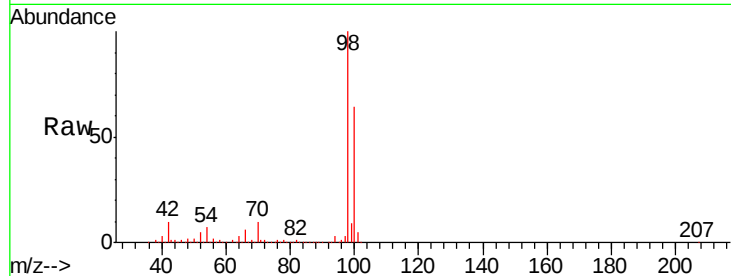
100 63.2 50.8 76.2

Manual Integrations

APPROVED

MMDadoda

10/15/2018 11:27:48 AM



#64

Chlorobenzene

Concen: 17.26 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051824.D

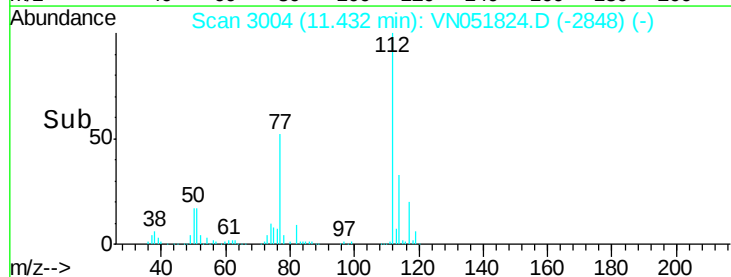
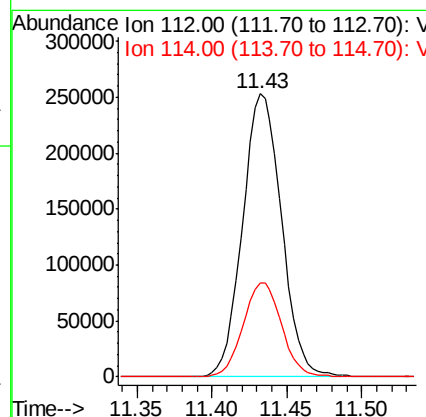
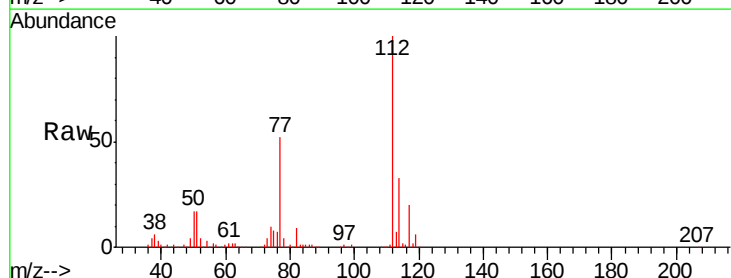
Acq: 12 Oct 2018 8:38

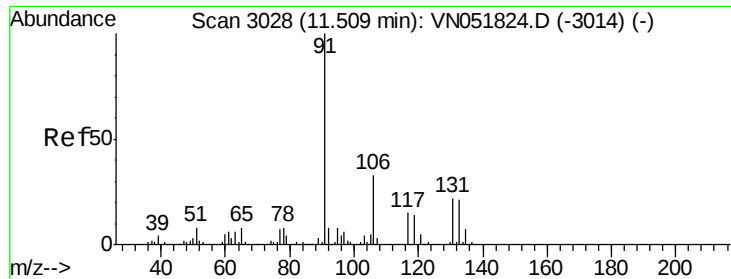
Tgt Ion: 112 Resp: 458328

Ion Ratio Lower Upper

112 100

114 33.3 27.5 41.3





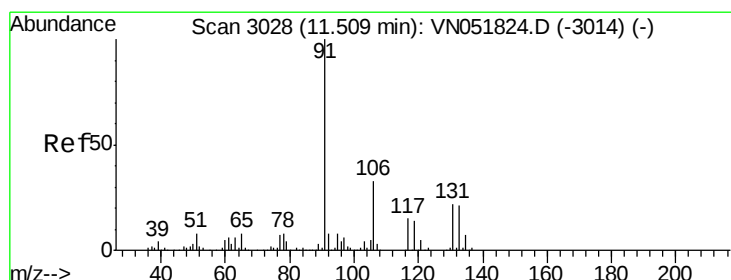
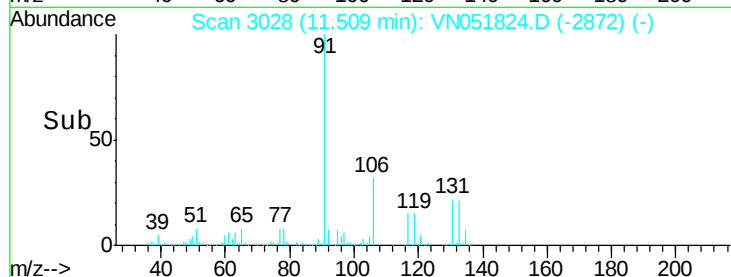
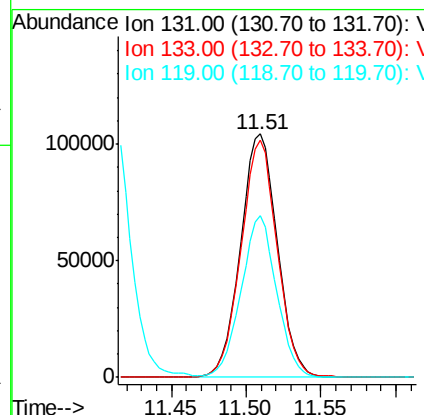
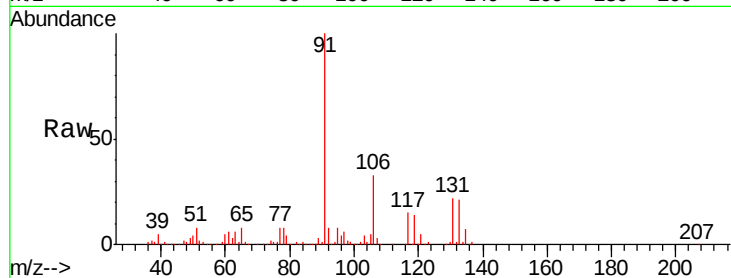
#65
 1,1,1,2-Tetrachloroethane
 Concen: 17.38 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	178750		
133	95.8	0.0	190.4	
119	64.1	0.0	128.0	

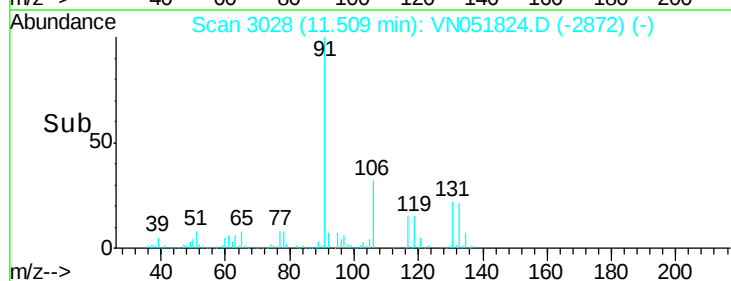
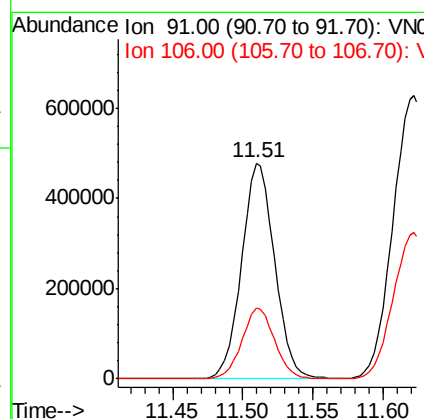
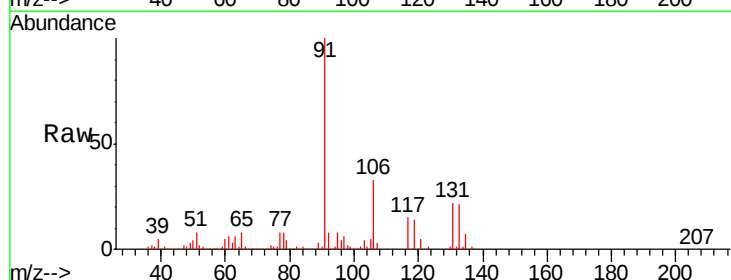
Manual Integrations
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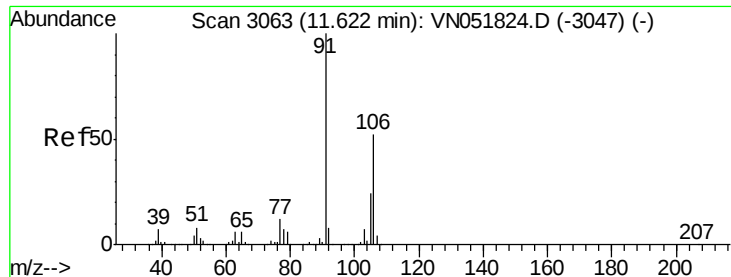
MMDadoda
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#66
 Ethyl Benzene
 Concen: 17.70 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	789134		
106	32.9	25.9	38.9	





#67

m/p-Xylenes

Concen: 36.45 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:106 Resp: 631911

Ion Ratio Lower Upper

106 100

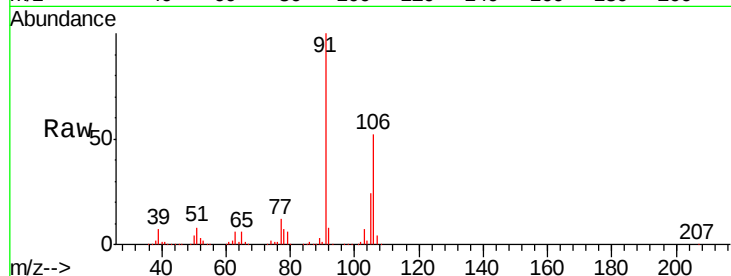
91 195.2 158.8 238.2

Manual Integrations

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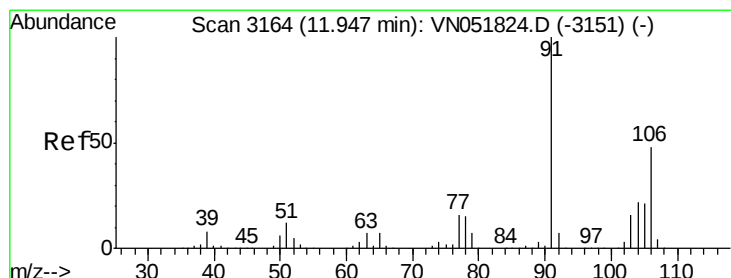
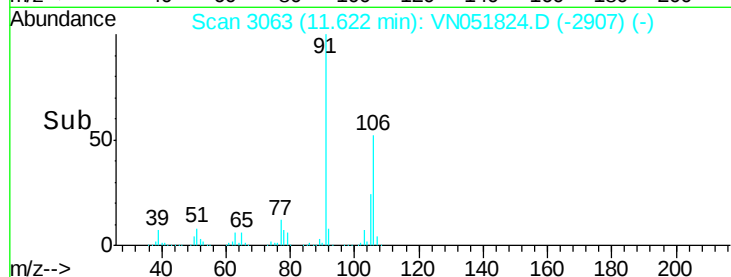
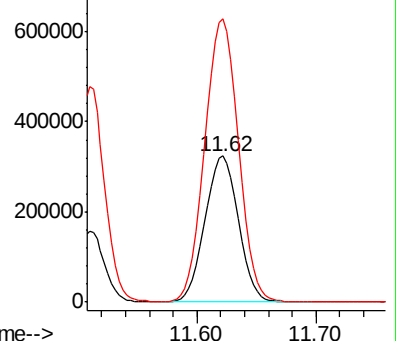
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 18.83 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051824.D

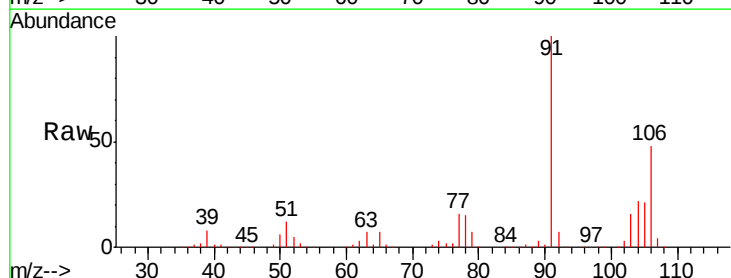
Acq: 12 Oct 2018 8:38

Tgt Ion:106 Resp: 310295

Ion Ratio Lower Upper

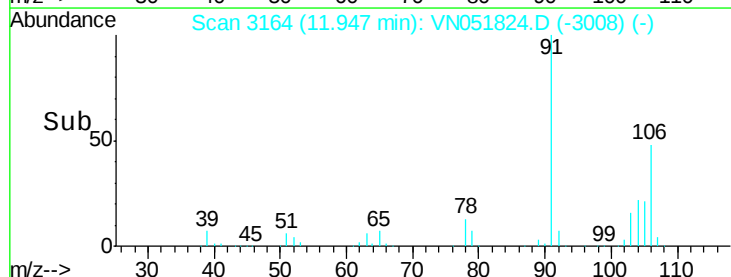
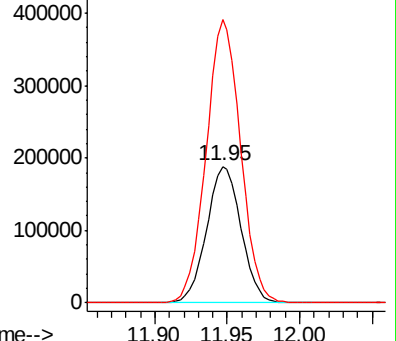
106 100

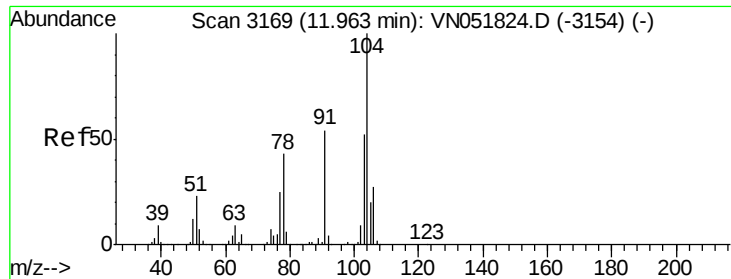
91 207.2 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





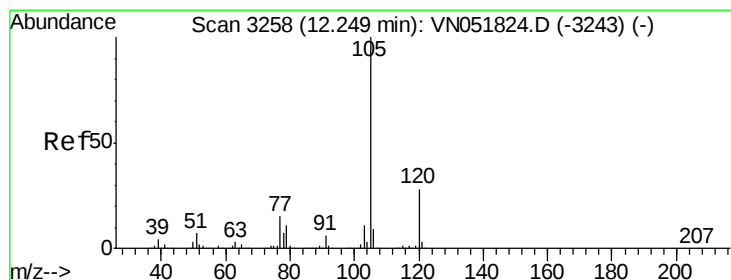
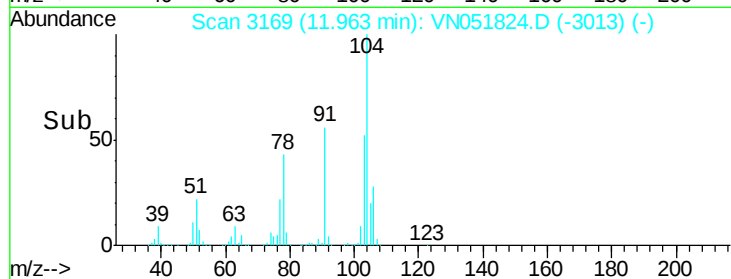
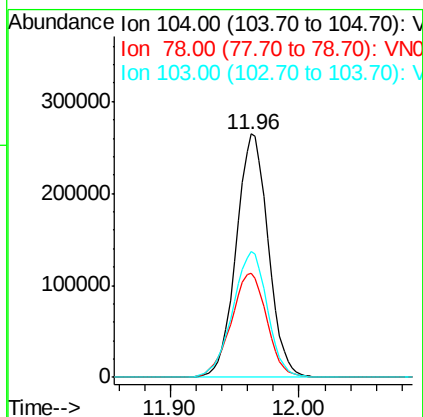
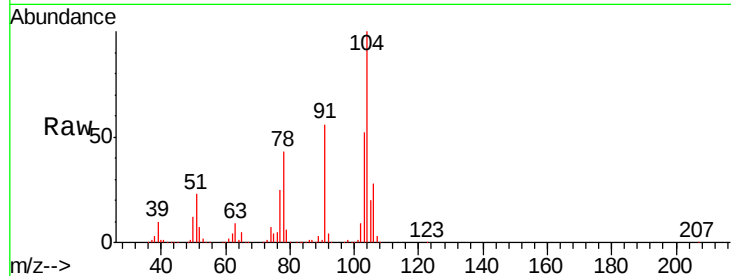
#69
Styrene
Concen: 17.50 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	456696		
78	47.8	40.6	60.8	
103	55.9	44.0	66.0	

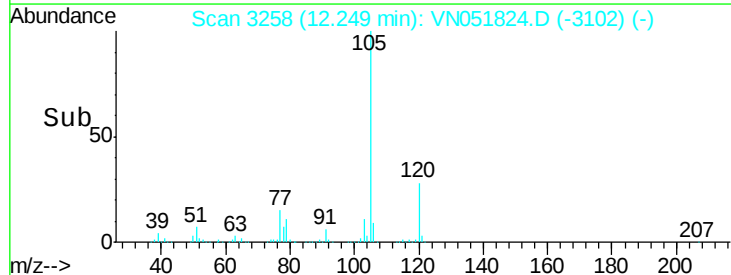
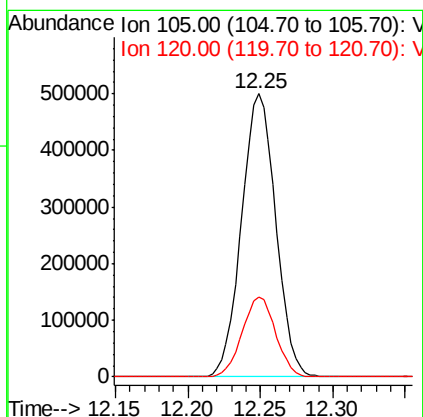
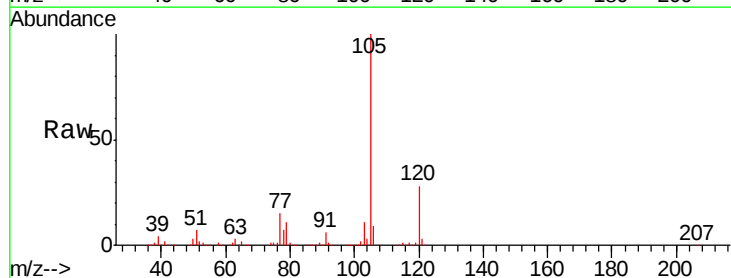
Manual Integrations
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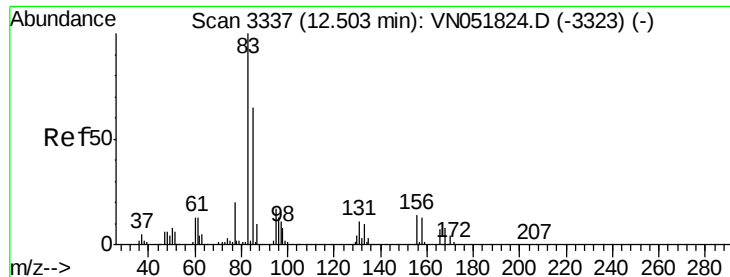
MMDadoda
10/15/2018 11:27:48 AM



#70
Isopropylbenzene
Concen: 18.59 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	820919		
120	27.7	19.0	35.4	





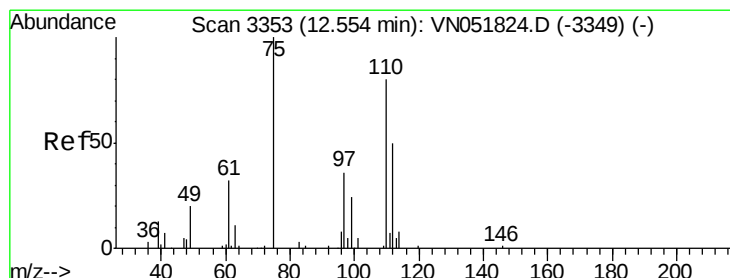
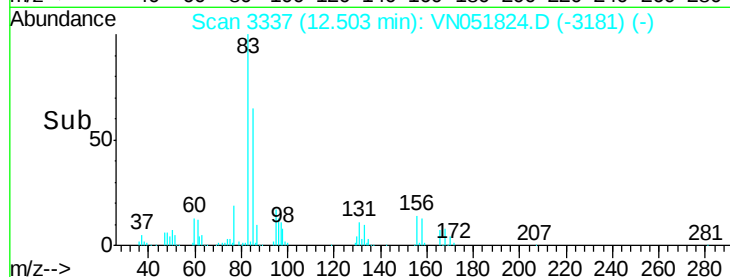
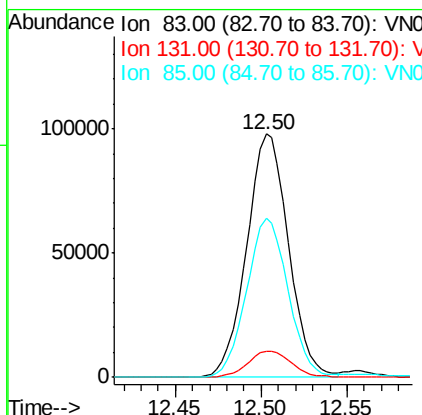
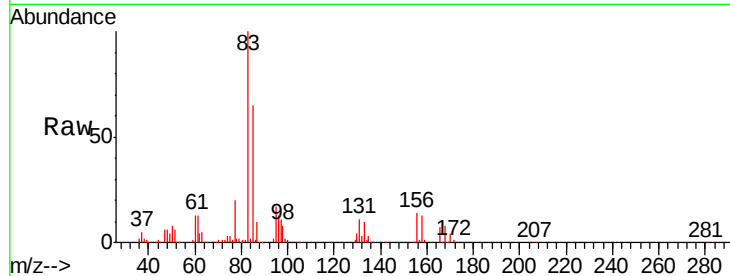
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.08 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	164663		
131	11.2	5.5	16.4	
85	64.7	30.6	91.8	

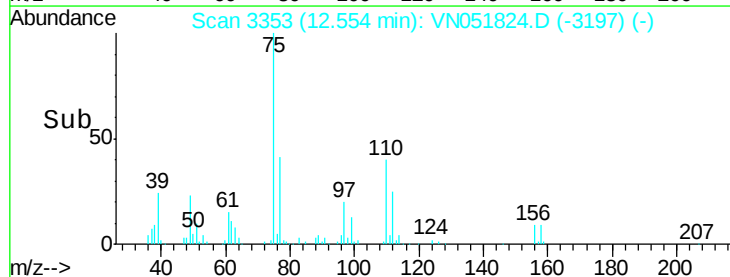
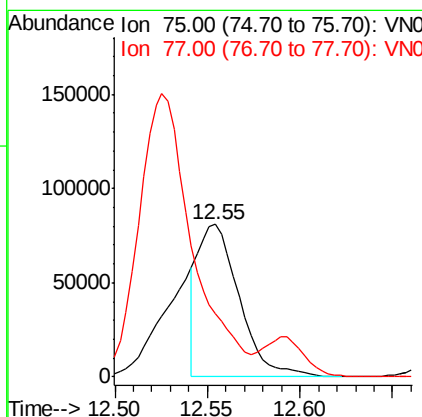
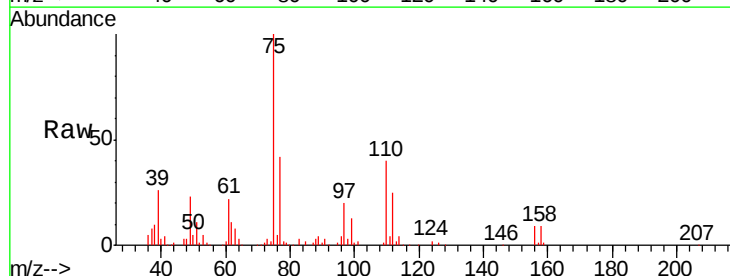
Manual Integrations
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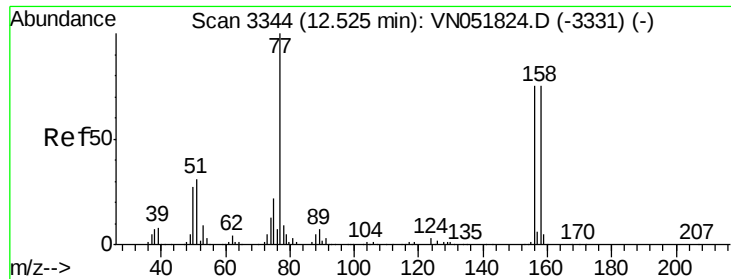
MMDadoda
 10/15/2018 11:27:48 AM



#72
 1,2,3-Trichloropropane
 Concen: 14.03 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124437		
77	244.3	0.0	400.0	





#73

Bromobenzene

Concen: 17.77 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

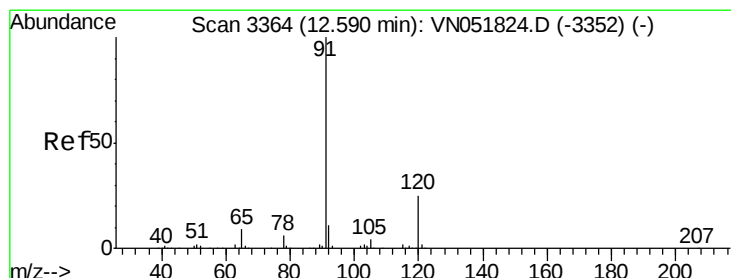
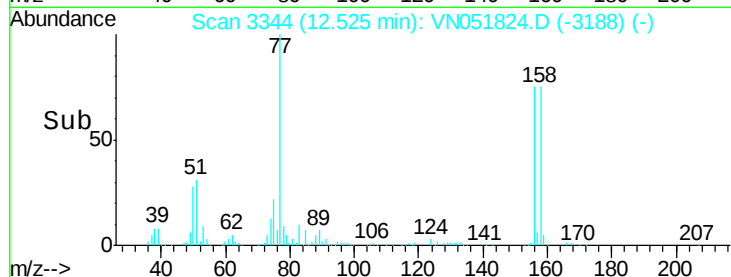
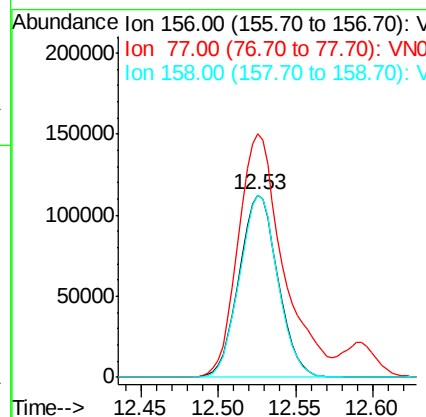
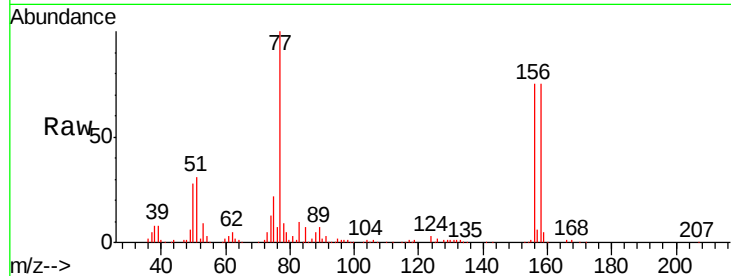
ClientSampleId :

VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	195971		
77	155.1	0.0	377.4	
158	98.4	0.0	203.0	

Manual Integrations
APPROVED

MMDadoda
10/15/2018 11:27:48 AM



#74

n-propylbenzene

Concen: 17.14 ug/l

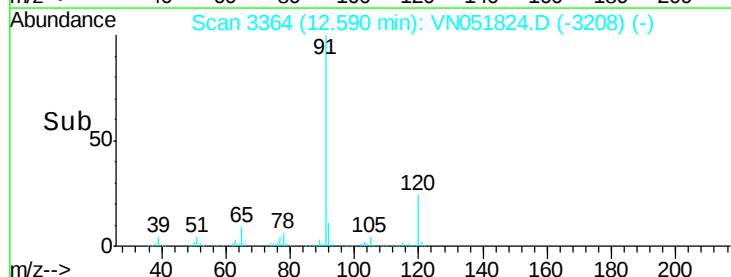
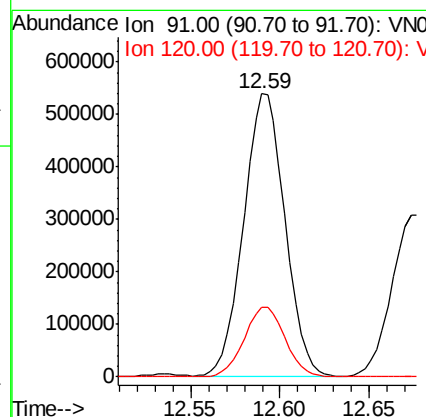
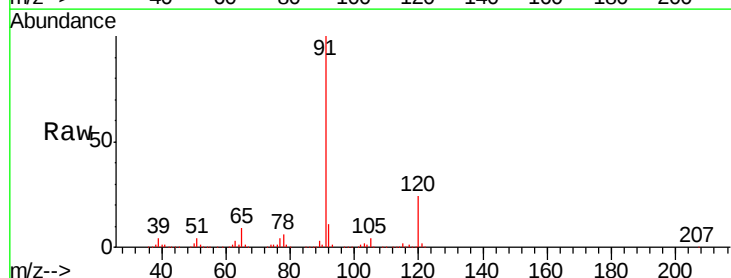
RT: 12.59 min Scan# 3364

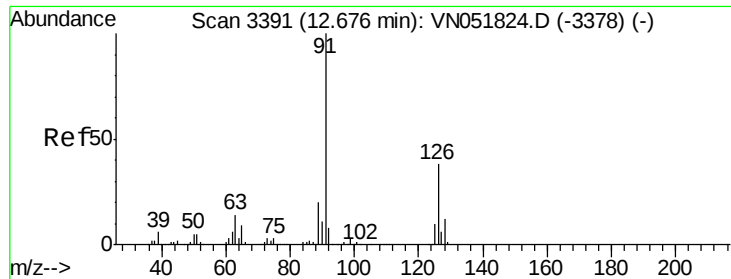
Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	876555		
120	24.4	0.0	45.0	





#75

2-Chlorotoluene

Concen: 17.15 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 91 Resp: 518650

Ion Ratio Lower Upper

91 100

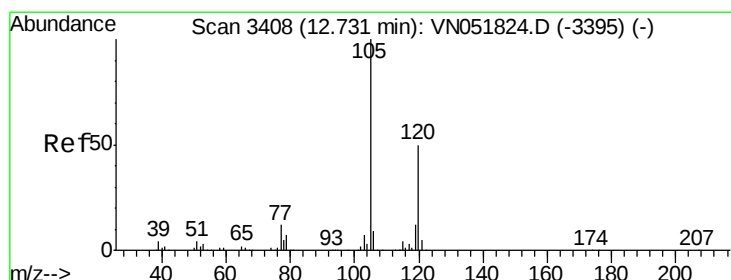
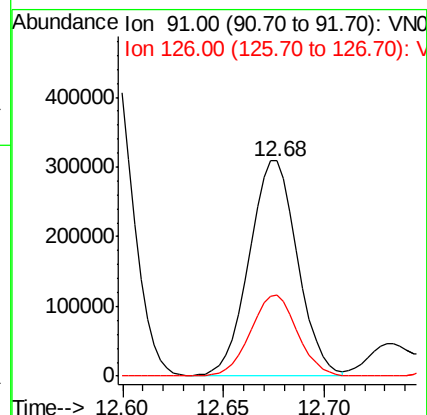
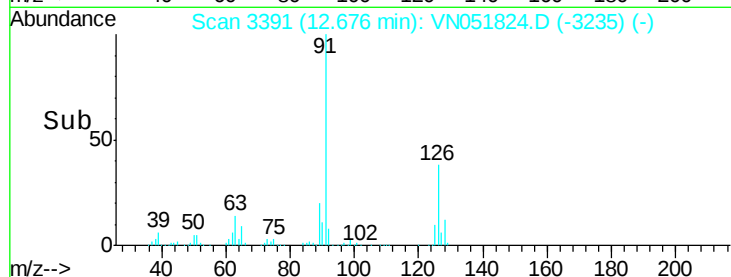
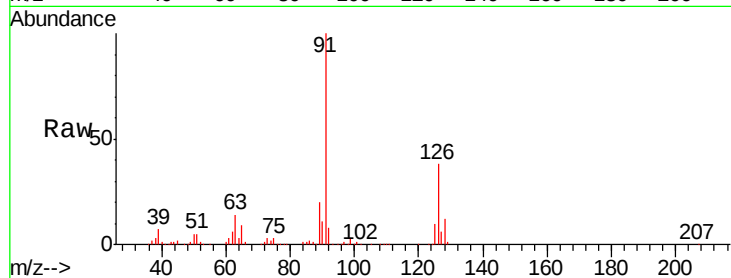
126 36.6 0.0 67.6

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#76

1,3,5-Trimethylbenzene

Concen: 18.47 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051824.D

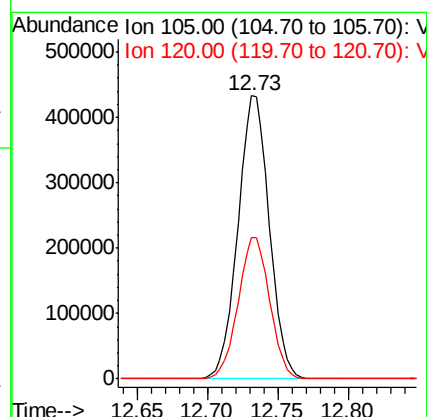
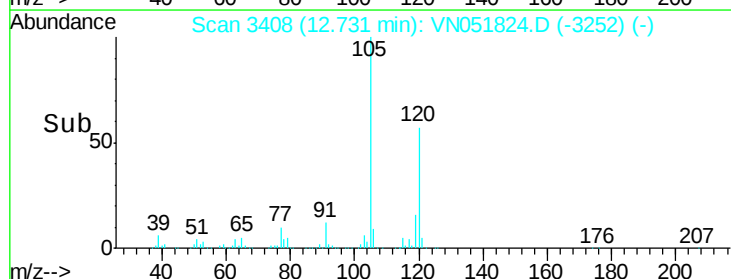
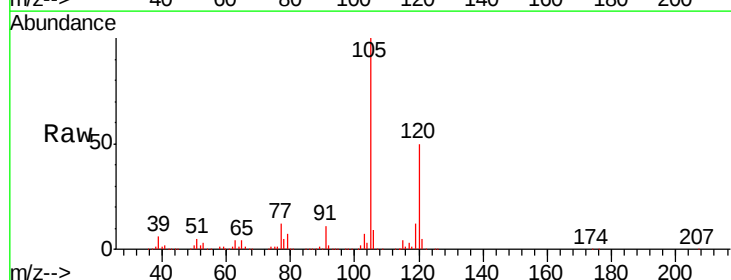
Acq: 12 Oct 2018 8:38

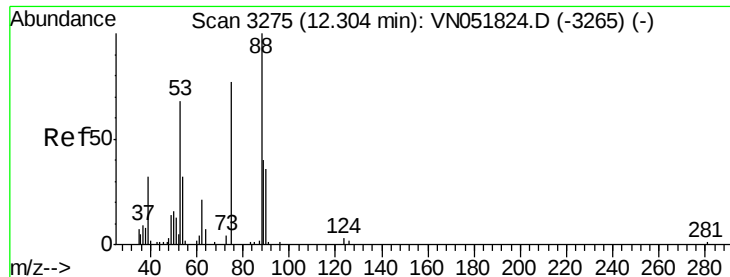
Tgt Ion: 105 Resp: 674680

Ion Ratio Lower Upper

105 100

120 50.2 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 13.75 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 38007

Ion Ratio Lower Upper

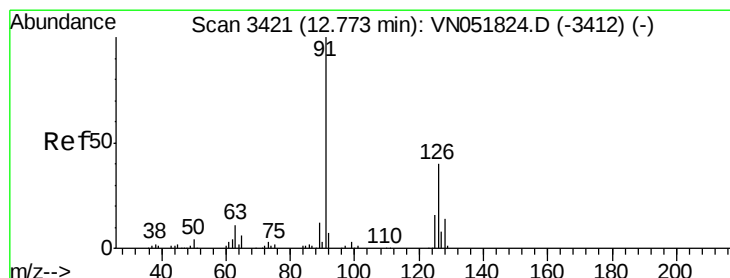
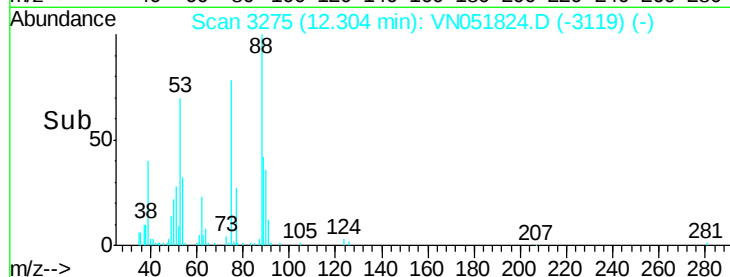
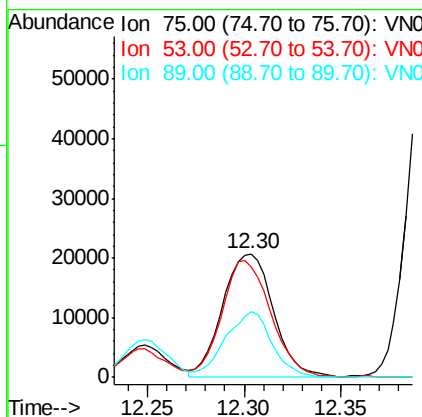
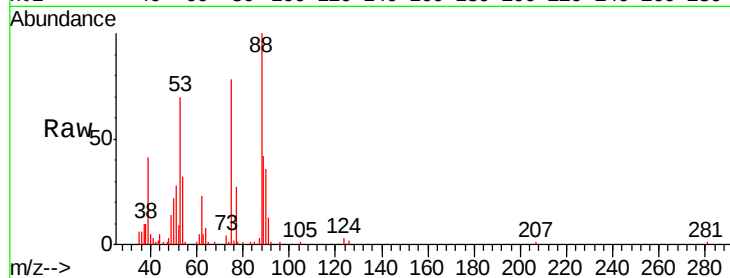
75 100

53 89.0 46.3 138.9

89 53.1 24.6 73.8

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#78

4-Chlorotoluene

Concen: 16.64 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051824.D

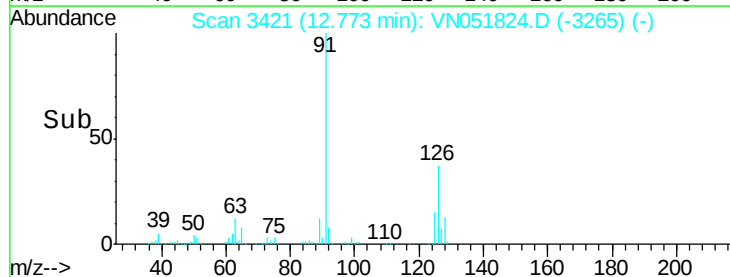
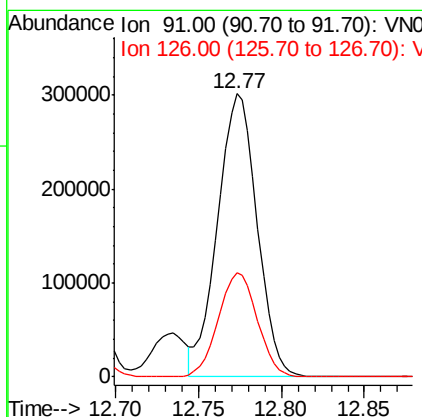
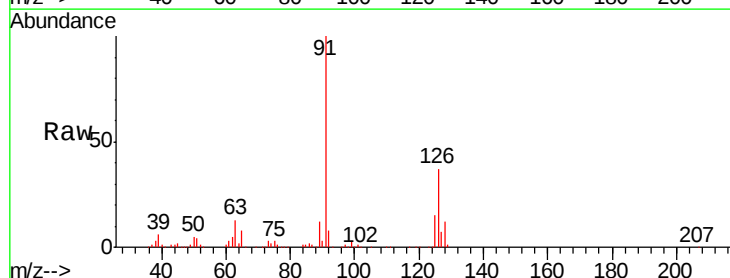
Acq: 12 Oct 2018 8:38

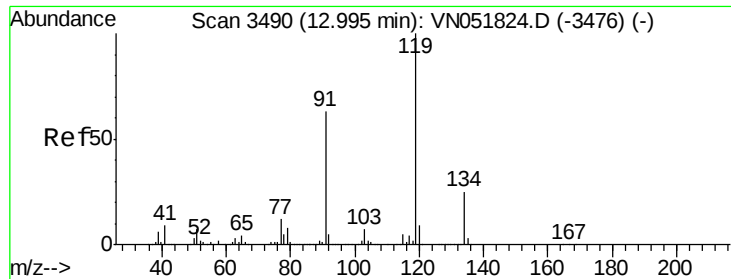
Tgt Ion: 91 Resp: 499720

Ion Ratio Lower Upper

91 100

126 36.4 0.0 65.2





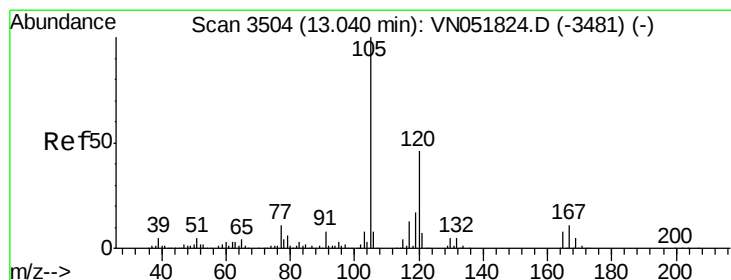
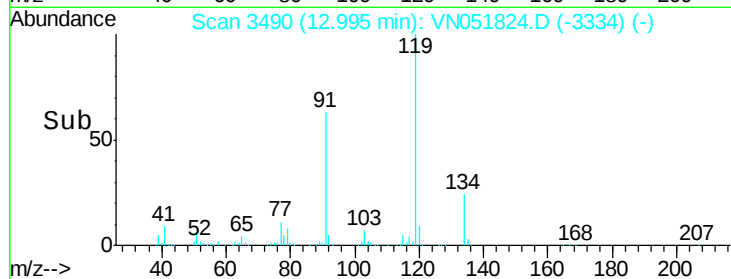
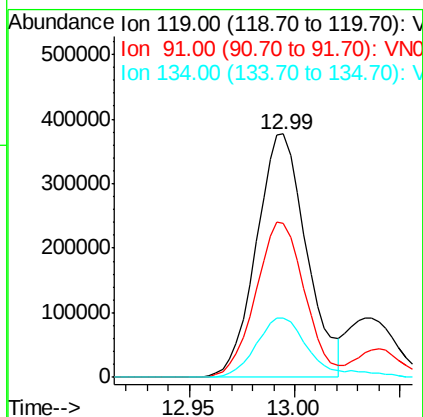
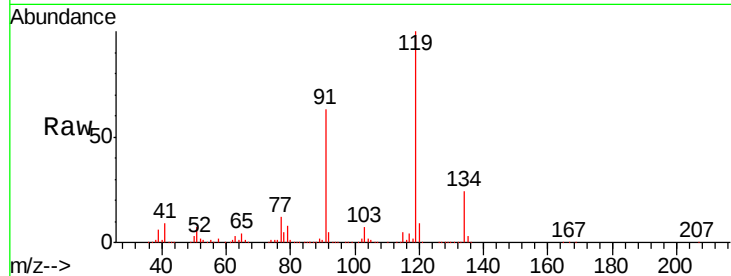
#79
tert-butylbenzene
Concen: 19.72 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	624120		
91	62.2	0.0	131.6	
134	24.6	0.0	46.2	

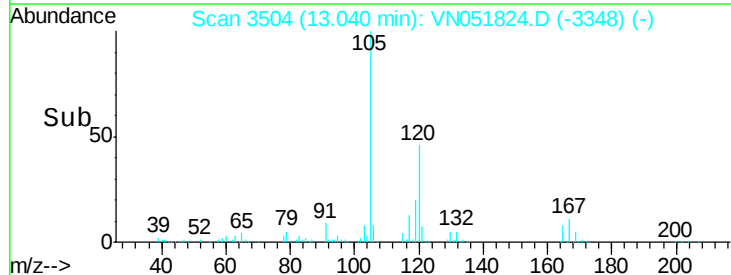
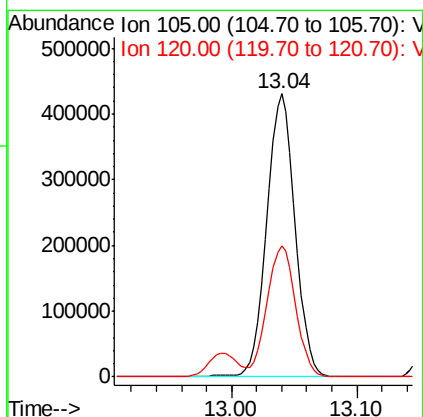
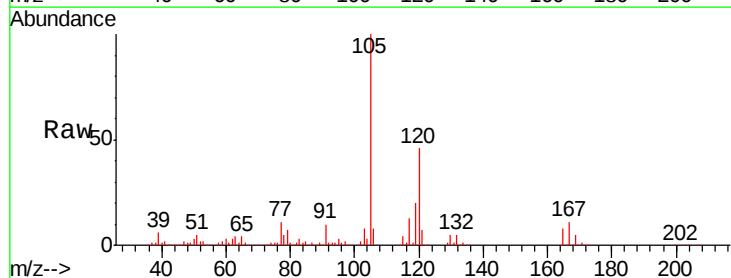
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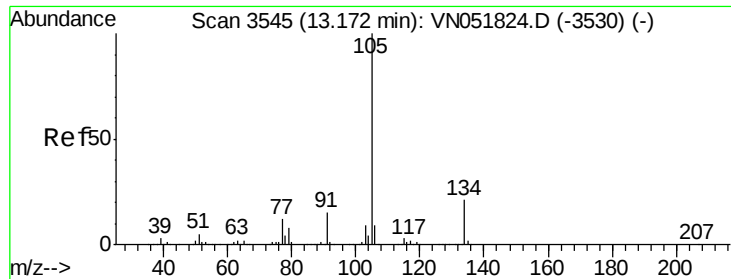
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#80
1,2,4-Trimethylbenzene
Concen: 18.33 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	675316		
120	47.1	0.0	89.6	





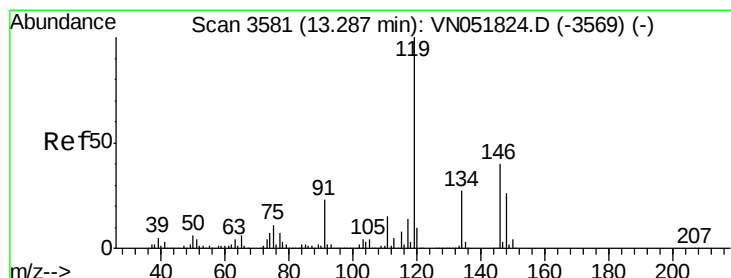
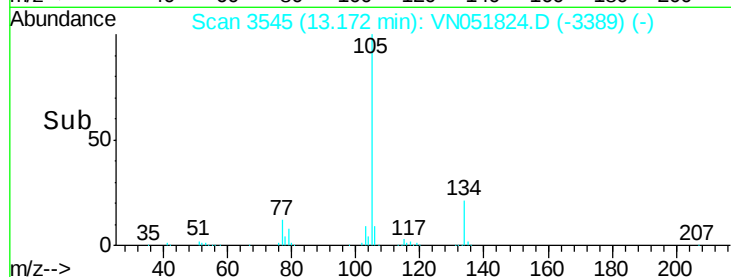
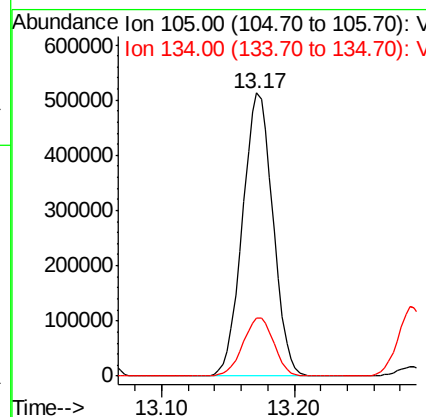
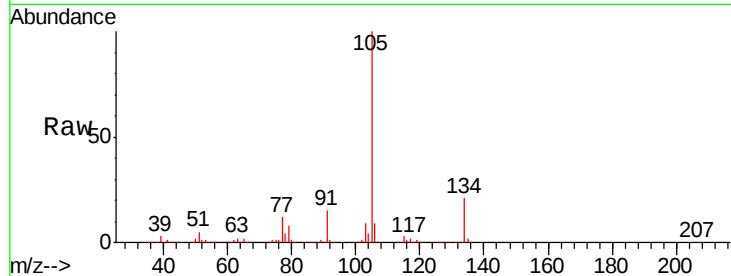
#81
 sec-Butylbenzene
 Concen: 18.70 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.0	0.0	39.4

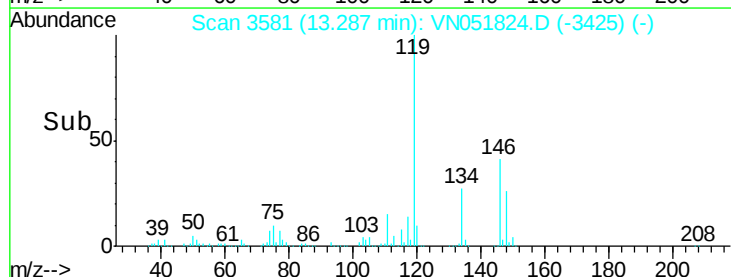
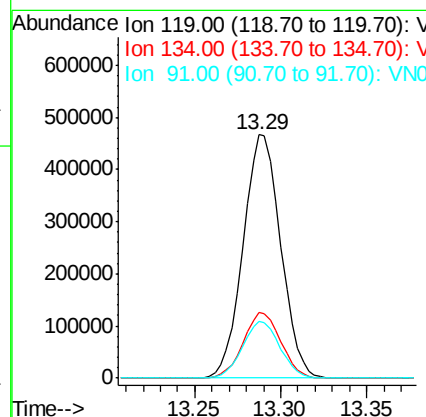
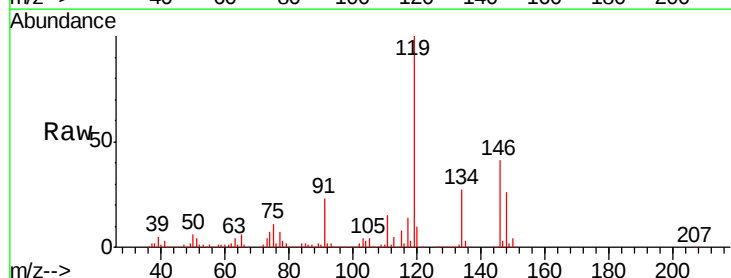
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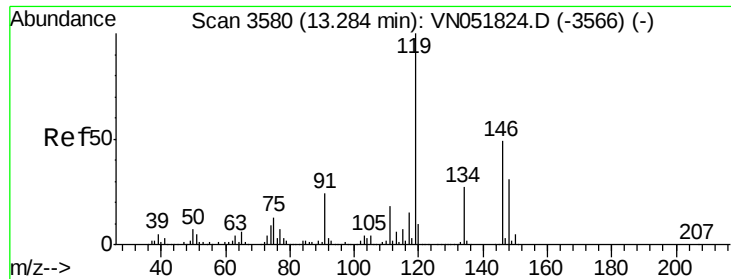
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#82
 p-Isopropyltoluene
 Concen: 18.78 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	53.6
91	23.3	0.0	52.0





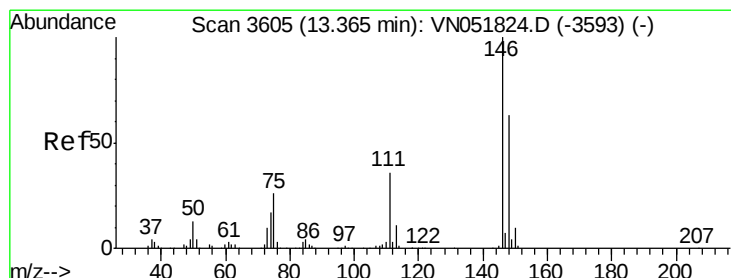
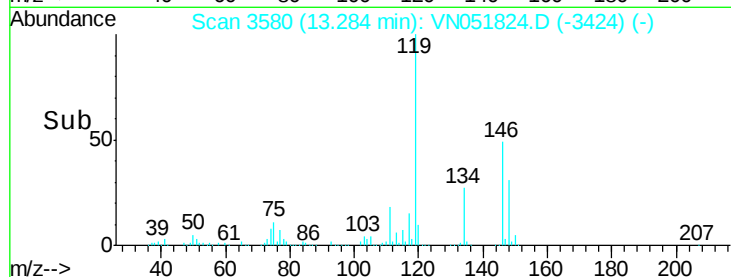
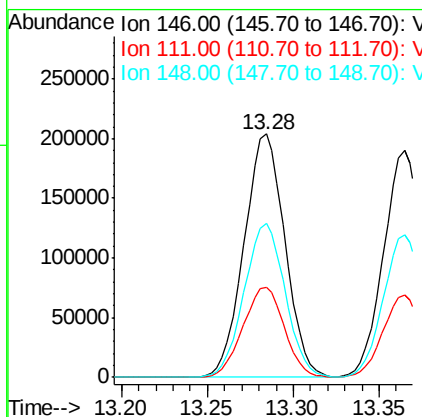
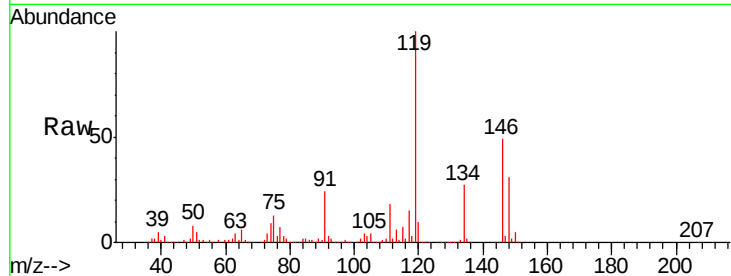
#83
 1,3-Dichlorobenzene
 Concen: 17.37 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.3
148	63.4	31.3	93.8

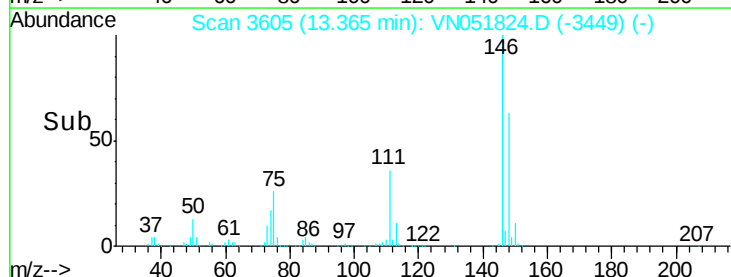
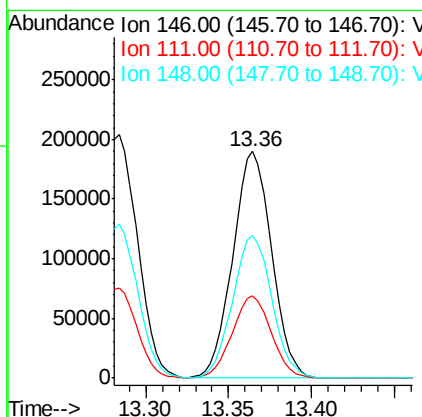
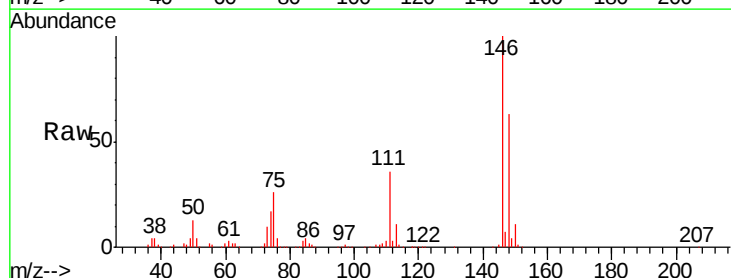
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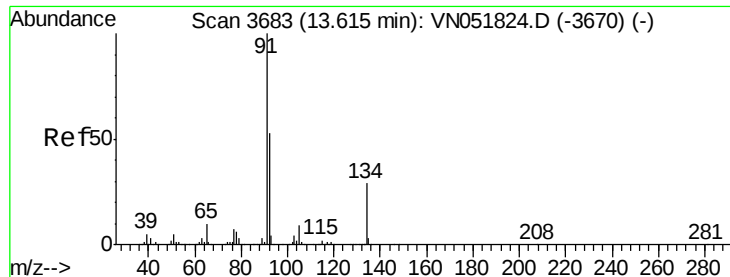
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#84
 1,4-Dichlorobenzene
 Concen: 17.04 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051824.D
 Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	17.4	52.2
148	63.5	32.8	98.3





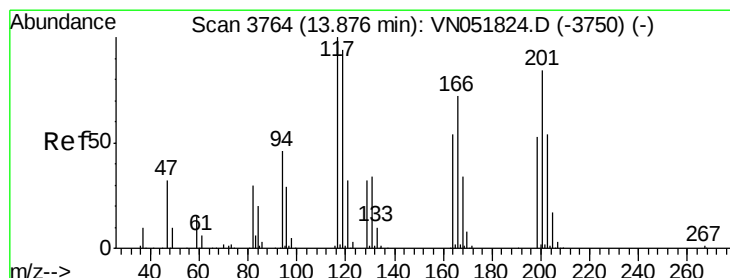
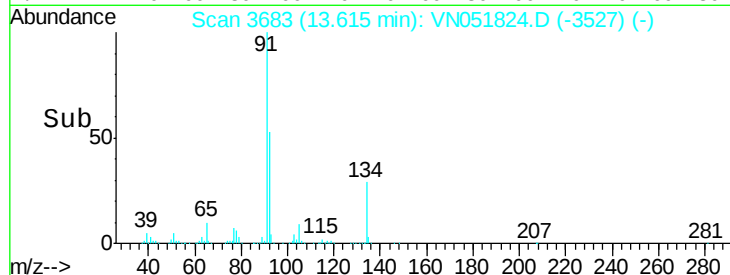
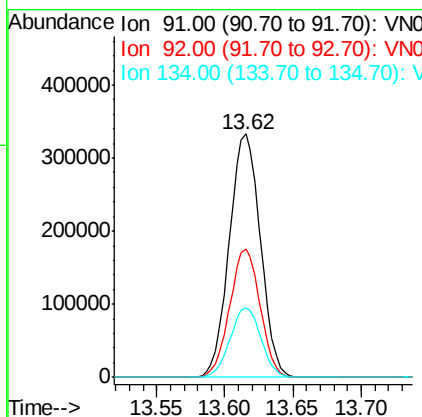
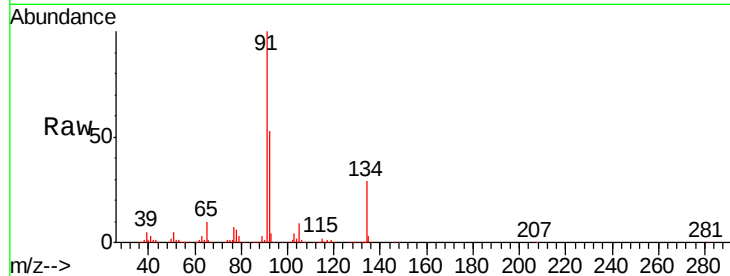
#85
n-Butylbenzene
Concen: 17.31 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.6	0.0	97.4	
134	28.3	0.0	49.6	

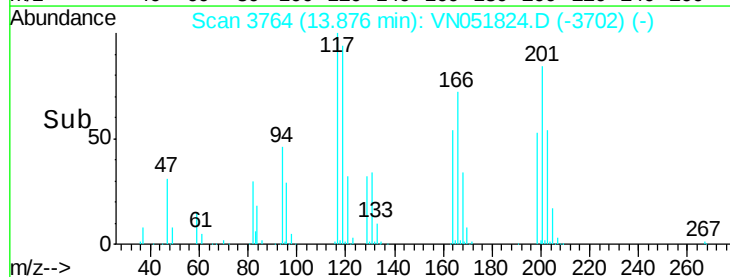
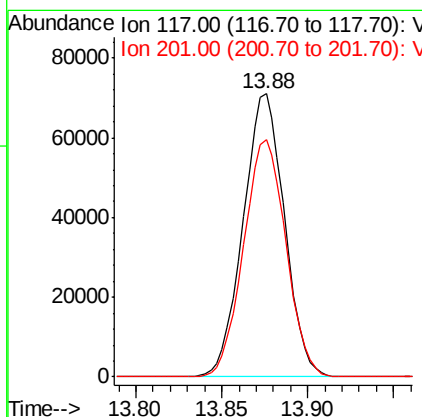
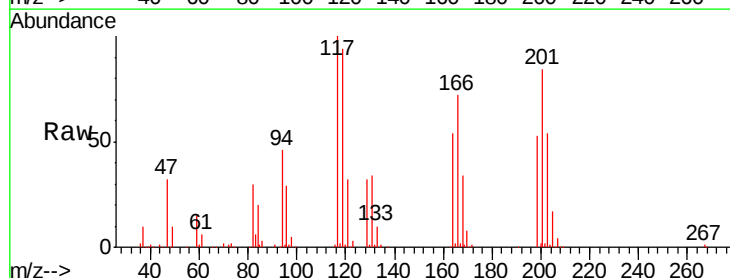
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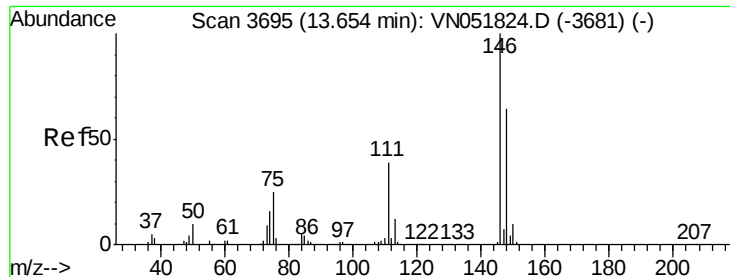
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#86
Hexachloroethane
Concen: 15.84 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.7	47.8	143.3	





#87

1,2-Dichlorobenzene

Concen: 17.84 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Instrument :

MSVOA_N

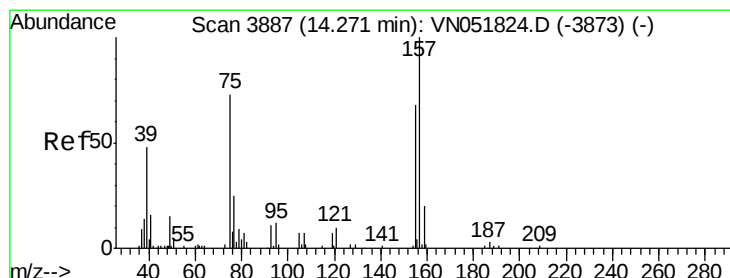
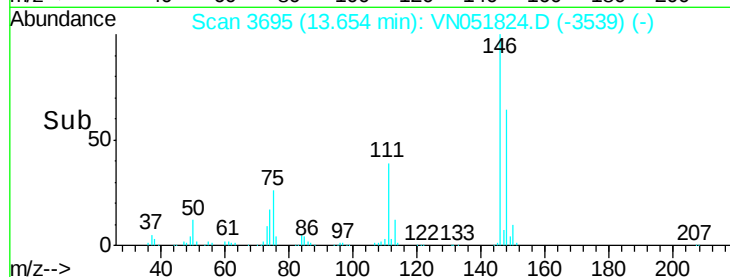
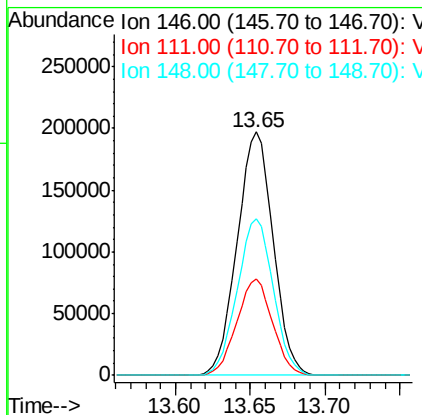
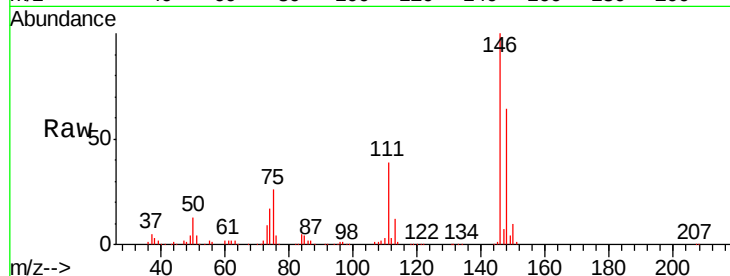
ClientSampleId :

VSTDICCC020

Tgt Ion:	146	Resp:	330214
Ion Ratio		Lower	Upper
146	100		
111	39.3	20.8	62.2
148	64.4	33.2	99.6

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#88

1,2-Dibromo-3-Chloropropane

Concen: 15.65 ug/l

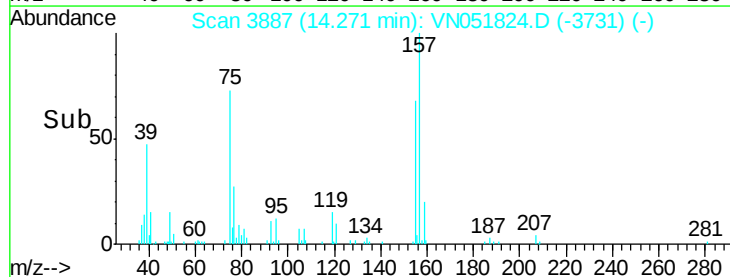
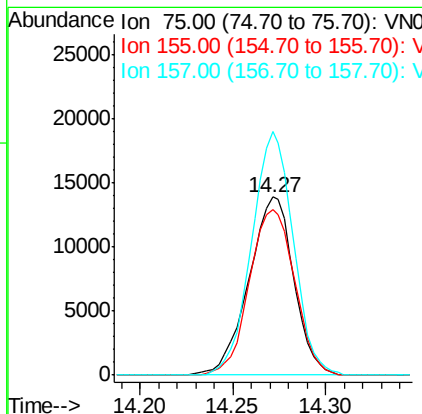
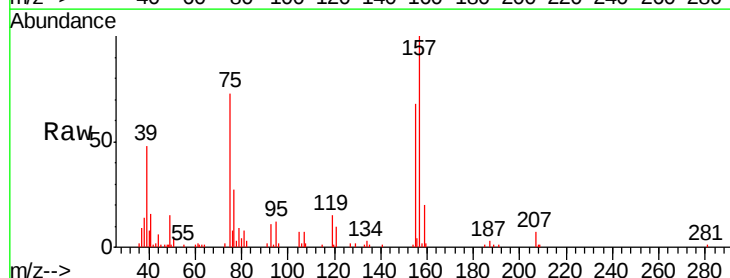
RT: 14.27 min Scan# 3887

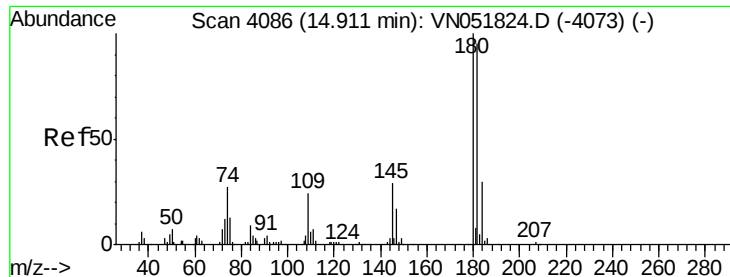
Delta R.T. 0.00 min

Lab File: VN051824.D

Acq: 12 Oct 2018 8:38

Tgt Ion:	75	Resp:	23495
Ion Ratio		Lower	Upper
75	100		
155	93.7	57.0	85.6#
157	126.9	87.4	131.0





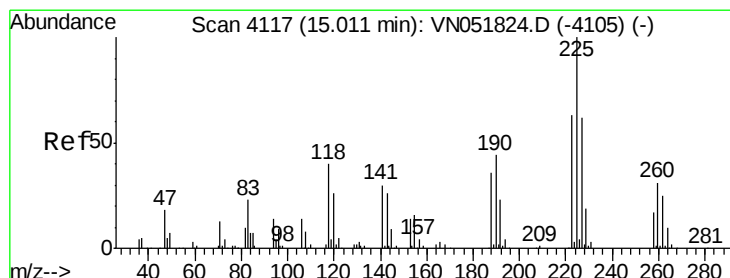
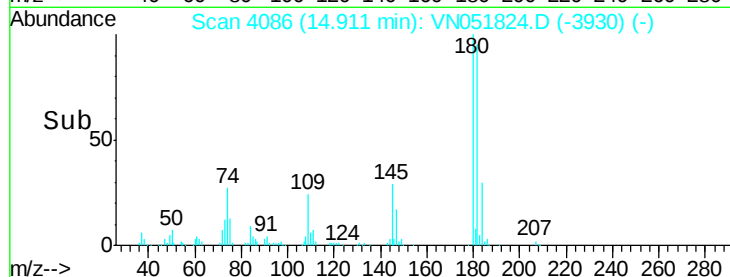
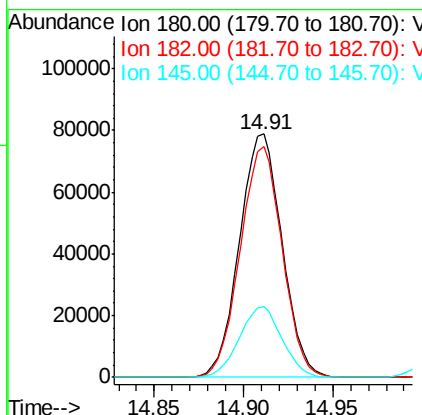
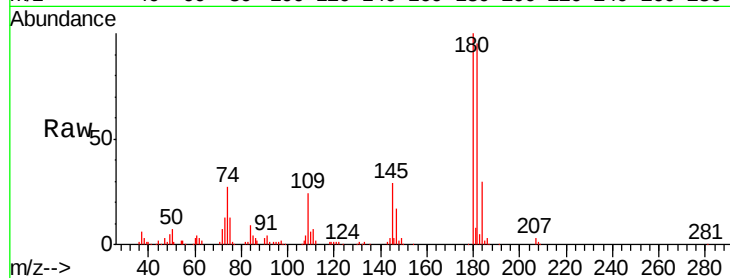
#89
1,2,4-Trichlorobenzene
Concen: 14.72 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	131737		
182	93.4	77.7	116.5	
145	29.2	23.4	35.2	

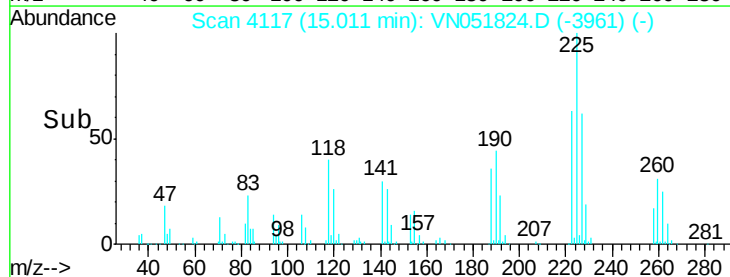
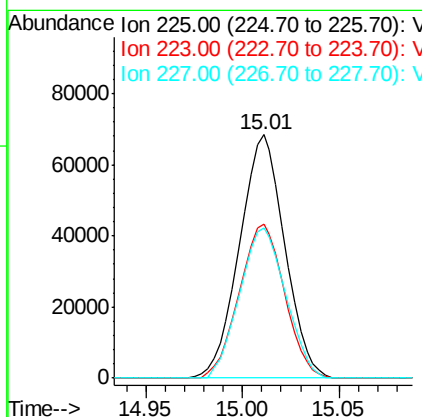
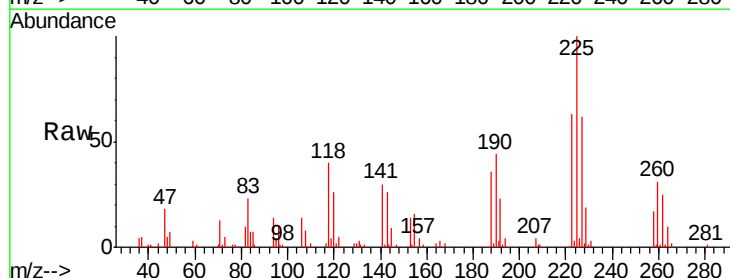
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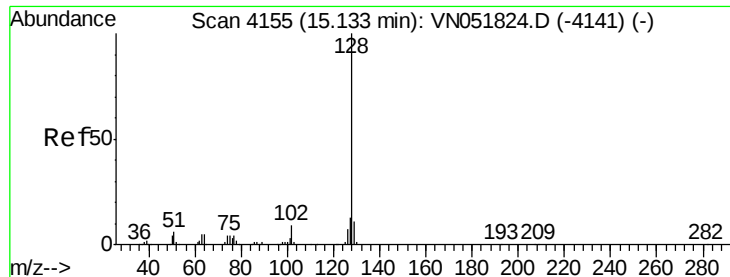
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#90
Hexachlorobutadiene
Concen: 15.80 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	111207		
223	63.3	0.0	117.0	
227	62.8	0.0	127.0	





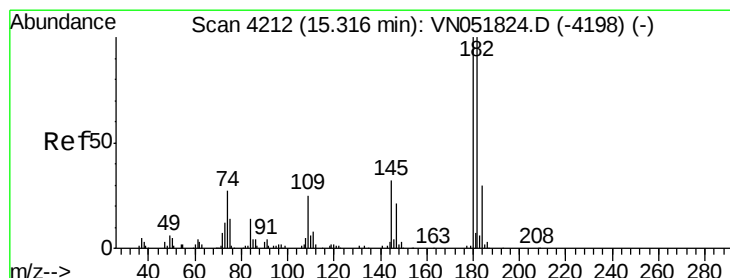
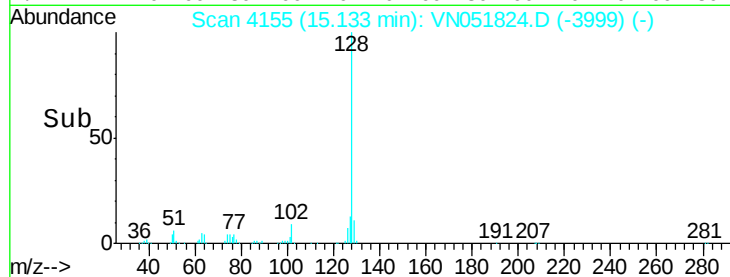
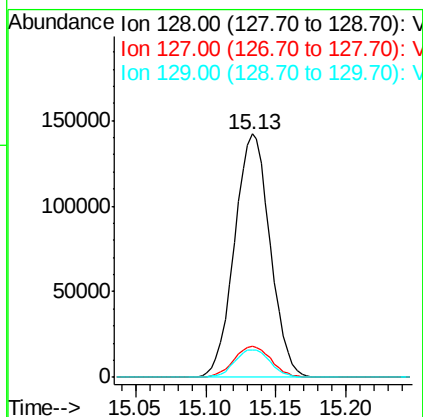
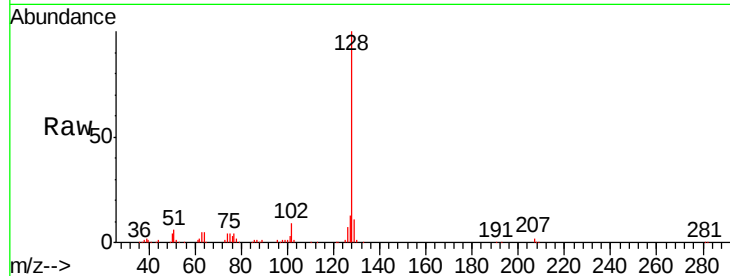
#91
Naphthalene
Concen: 15.28 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	251346		
127	13.4	10.1	15.1	
129	11.5	8.4	12.6	

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#92
1,2,3-Trichlorobenzene
Concen: 15.08 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051824.D
Acq: 12 Oct 2018 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136131		
182	98.2	0.0	198.0	
145	32.4	0.0	36.8	

