

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050124.D
 Acq On : 27 Jul 2018 11:08
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:15 PM

Quant Time: Jul 27 12:56:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	153670	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	872653	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	752444	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	314986	30.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.53%
60) 4-Bromofluorobenzene	12.40	95	346183	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	10.09	98	1051791	29.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	224994	21.246 ug/l	96
3) Chloromethane	2.06	50	193340	17.708 ug/l	100
4) Vinyl Chloride	2.18	62	225924	19.436 ug/l	98
5) Bromomethane	2.56	94	78974	11.145 ug/l	98
6) Chloroethane	2.70	64	132339	19.250 ug/l	99
7) Trichlorofluoromethane	3.01	101	310354	20.432 ug/l	100
8) Diethyl Ether	3.41	74	105494	20.705 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	190249	20.589 ug/l	99
10) 1,1-Dichloroethene	3.73	96	169321	20.666 ug/l	96
11) Methyl Iodide	3.95	142	71899	5.964 ug/l	95
12) Methyl Acetate	4.33	43	198221	21.120 ug/l	98
13) Acrolein	3.61	56	30366	52.353 ug/l	95
14) Acrylonitrile	4.99	53	306355	97.822 ug/l	98
15) Acetone	3.82	58	89745	107.828 ug/l	97
16) Carbon Disulfide	4.05	76	483370	19.278 ug/l	100
17) Allyl chloride	4.32	41	259054	20.021 ug/l	100
18) Methylene Chloride	4.55	84	186818	19.760 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	178446	20.343 ug/l	95
20) Diisopropyl ether	5.96	45	547665	20.643 ug/l	99
21) 1,1-Dichloroethane	5.85	63	331907	19.896 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	203515	20.921 ug/l	100
23) tert-Butyl Alcohol	4.80	59	75339	107.660 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	476491m	21.325 ug/l	
25) Chloroform	7.37	83	336306	19.914 ug/l	98
26) Cyclohexane	7.65	56	280844	21.185 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	253234	18.699 ug/l	100
30) 2-Butanone	6.84	43	389490	91.650 ug/l	98
31) 2,2-Dichloropropane	6.83	77	288022	19.240 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	295179	18.517 ug/l	99
33) Carbon Tetrachloride	7.77	117	260159	18.309 ug/l	99
34) Benzene	8.04	78	757677	18.422 ug/l	99
35) Methacrylonitrile	7.18	41	87204	18.022 ug/l	98
36) 1,2-Dichloroethane	8.13	62	246927	18.285 ug/l	100
37) Trichloroethene	8.84	130	208051	19.287 ug/l	96
38) Methylcyclohexane	9.08	83	282204	19.766 ug/l	97
39) 1,2-Dichloropropane	9.12	63	198530	18.323 ug/l	98
40) Dibromomethane	9.21	93	122138	18.239 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	255923	18.118	ug/l	99
42) Vinyl Acetate	5.90	43	1841769	92.097	ug/l	99
43) Ethyl Acetate	6.93	43	163776	18.455	ug/l	93
44) Isopropyl Acetate	8.17	43	328871	20.006	ug/l	94
45) 1,4-Dioxane	9.20	88	41855	386.917	ug/l	99
46) Methyl methacrylate	9.20	41	143343	17.987	ug/l	98
47) n-amyl Acetate	12.07	43	232060	18.141	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	260804	19.371	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	295715	18.693	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	176764	18.390	ug/l	99
51) Ethyl methacrylate	10.43	69	222938	19.109	ug/l	98
52) 1,3-Dichloropropane	10.71	76	293213	18.576	ug/l	99
53) Dibromochloromethane	10.90	129	197630	18.117	ug/l	99
54) 1,2-Dibromoethane	11.01	107	175733	18.668	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	469619	88.941	ug/l	99
56) Bromoform	12.13	173	134392	17.448	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	835204	95.393	ug/l	99
59) 2-Hexanone	10.75	43	573434	96.002	ug/l	99
61) Tetrachloroethene	10.63	164	191610	18.800	ug/l	97
62) Toluene	10.16	91	832071	19.382	ug/l	100
64) Chlorobenzene	11.44	112	508369	19.528	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	196499	19.352	ug/l	99
66) Ethyl Benzene	11.51	91	878373	20.021	ug/l	99
67) m/p-Xylenes	11.62	106	674423	39.946	ug/l	100
68) o-Xylene	11.95	106	326395	20.319	ug/l	99
69) Styrene	11.97	104	505124	19.615	ug/l	99
70) Isopropylbenzene	12.25	105	879732	20.563	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	218541	18.605	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	186305m	18.571	ug/l	
73) Bromobenzene	12.53	156	219918	19.297	ug/l	99
74) n-propylbenzene	12.59	91	993135	19.932	ug/l	99
75) 2-Chlorotoluene	12.68	91	589284	19.691	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	717969	20.432	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	54830	16.717	ug/l	95
78) 4-Chlorotoluene	12.77	91	577951	19.488	ug/l	100
79) tert-butylbenzene	12.99	119	618915	20.602	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	728030	20.449	ug/l	100
81) sec-Butylbenzene	13.17	105	832673	20.403	ug/l	100
82) p-Isopropyltoluene	13.29	119	712327	20.457	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	379080	19.103	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	358020	19.092	ug/l	99
85) n-Butylbenzene	13.62	91	563031	19.923	ug/l	99
86) Hexachloroethane	13.88	117	120422	17.306	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	371525	19.154	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	34150	18.663	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	182090	19.654	ug/l	99
90) Hexachlorobutadiene	15.01	225	124477	20.378	ug/l	99
91) Naphthalene	15.14	128	450843	23.166	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	190445	20.212	ug/l	98

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VSTDCCC020

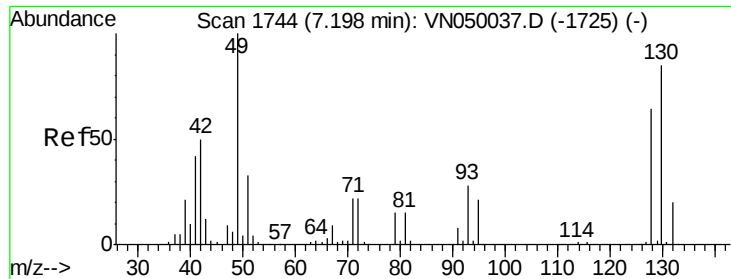
Manual Integrations
APPROVED

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7/30/2018 1:37:15 PM

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

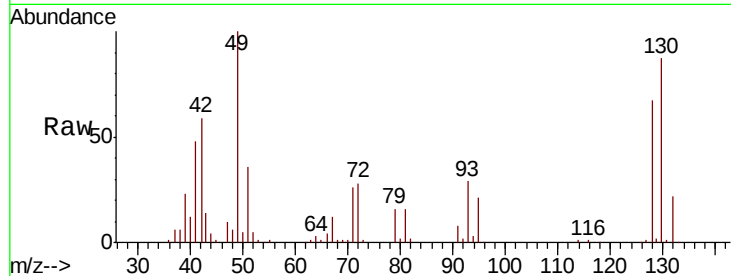
ClientSampleId :

VSTDCCC020

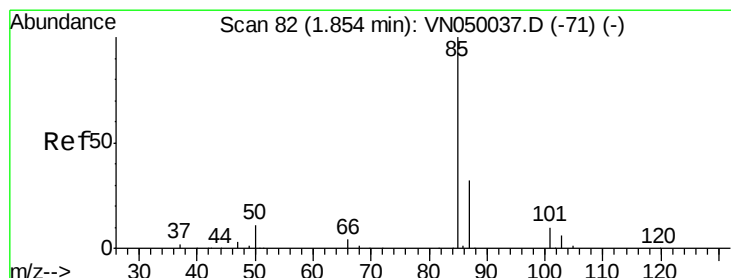
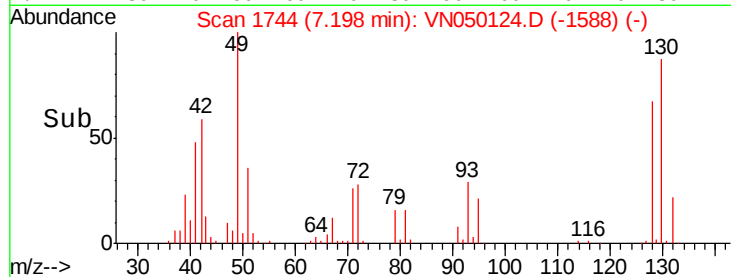
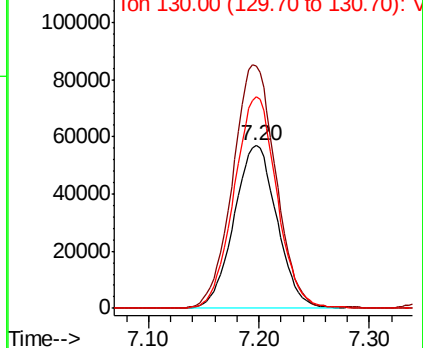
Tot Ion:	128	Resp:	153670
Ion	Ratio	Lower	Upper
128	100		
49	150.4	0.0	378.3
130	130.1	0.0	320.7

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



#2

Dichlorodifluoromethane

Concen: 21.246 ug/l

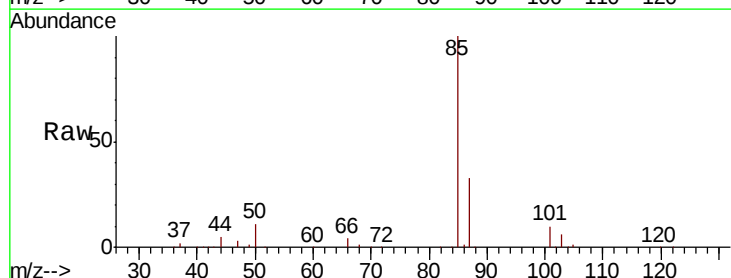
RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

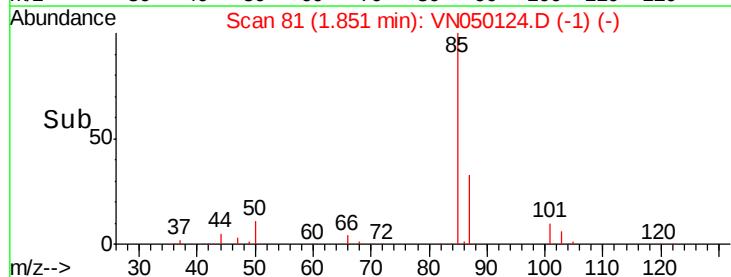
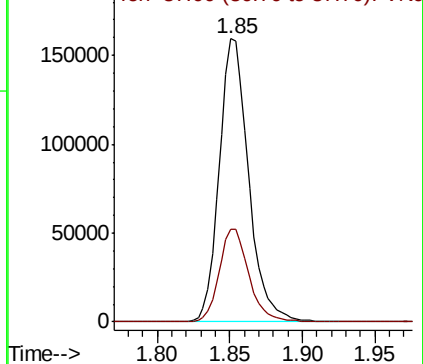
Lab File: VN050124.D

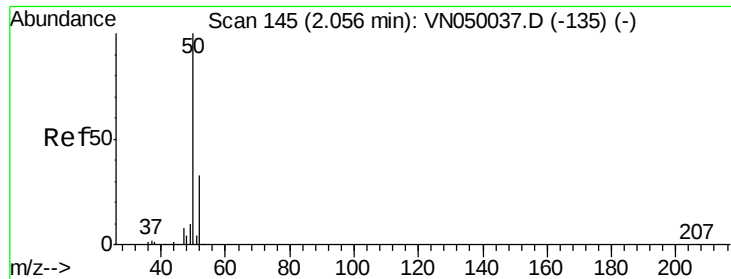
Acq: 27 Jul 2018 11:08

Tgt Ion:	85	Resp:	224994
Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.4	46.4



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





#3

Chloromethane

Concen: 17.708 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 193340

Ion Ratio Lower Upper

50 100

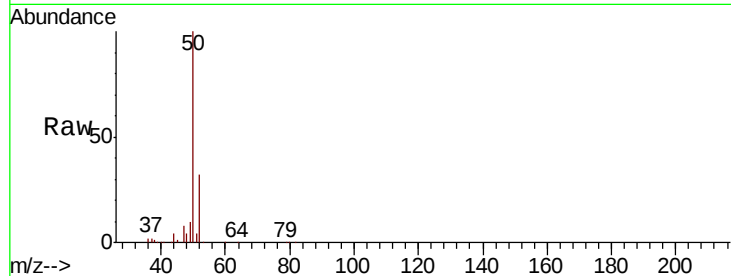
52 32.4 26.1 39.1

Manual Integrations

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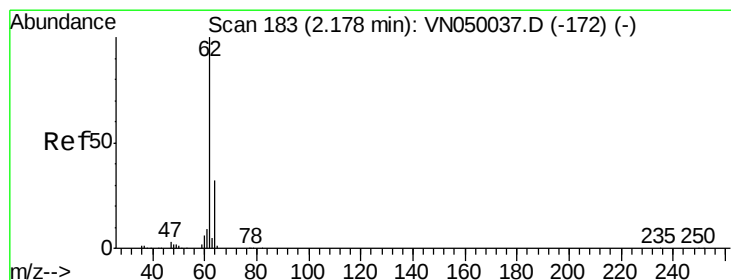
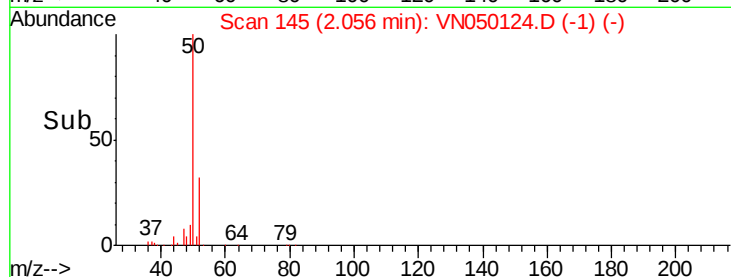
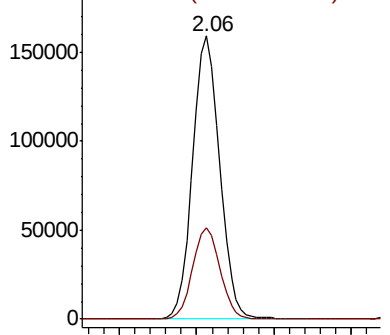
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.436 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050124.D

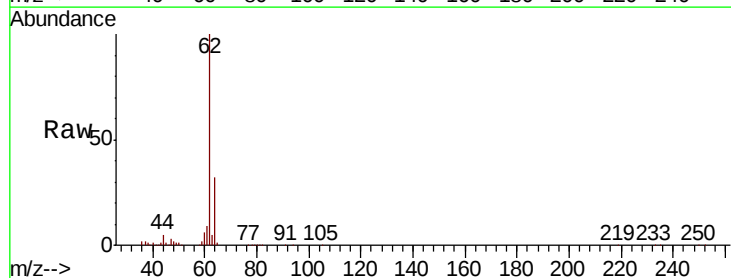
Acq: 27 Jul 2018 11:08

Tgt Ion: 62 Resp: 225924

Ion Ratio Lower Upper

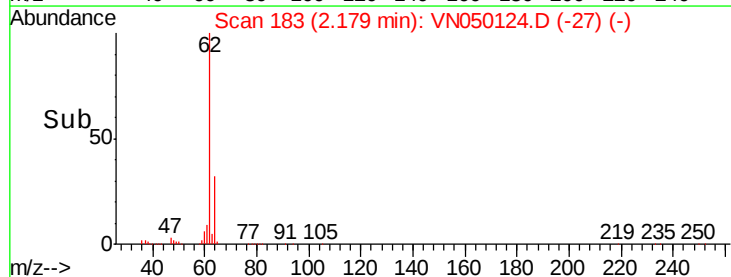
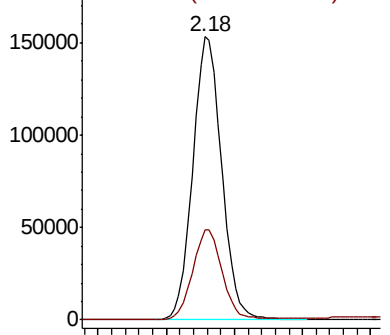
62 100

64 31.5 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 11.145 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 78974

Ion Ratio Lower Upper

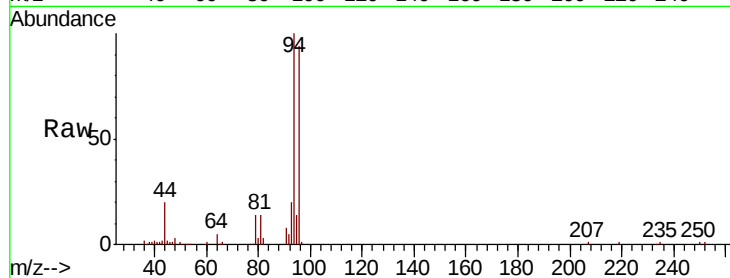
94 100

96 92.9 75.9 113.9

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VN050124.D (-147) (-)

Ion 96.00 (95.70 to 96.70): VN050124.D (-147) (-)

2.56

40000

30000

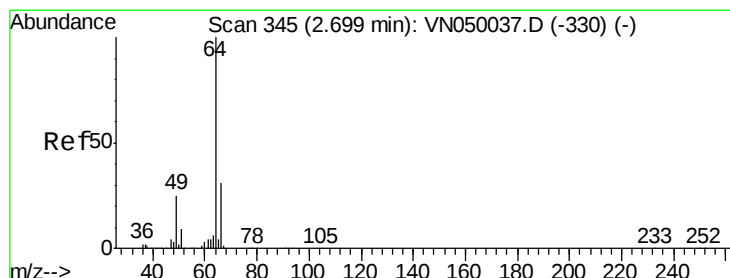
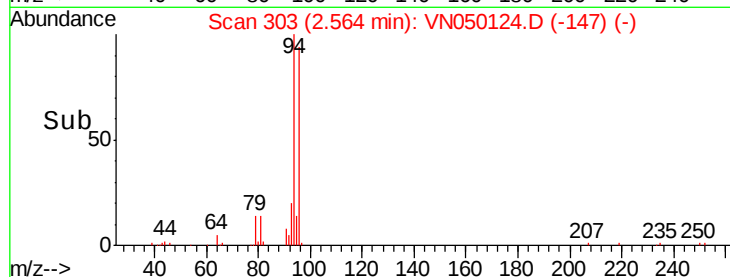
20000

10000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 19.250 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050124.D

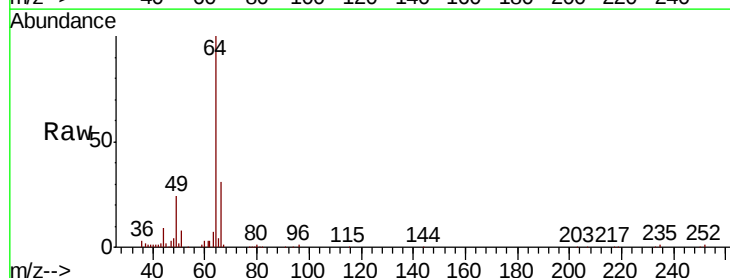
Acq: 27 Jul 2018 11:08

Tgt Ion: 64 Resp: 132339

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN050124.D (-189) (-)

Ion 66.00 (65.70 to 66.70): VN050124.D (-189) (-)

2.70

80000

60000

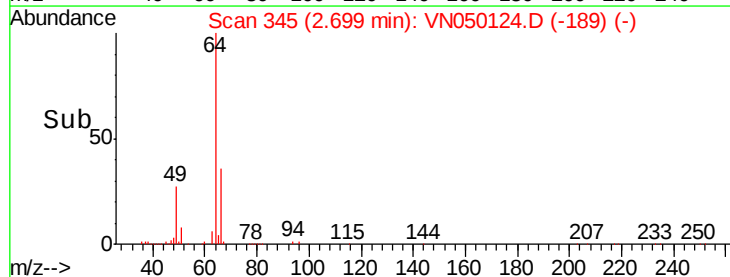
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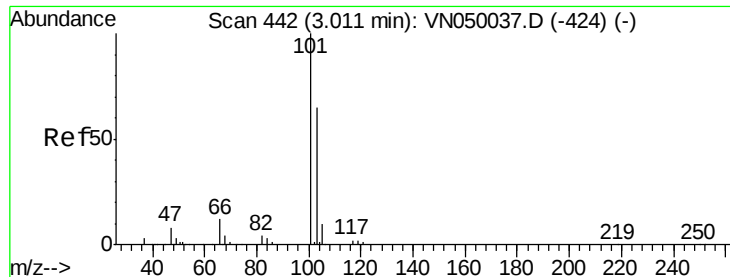
20000

0

2.65 2.70 2.75 2.80

Time-->





#7

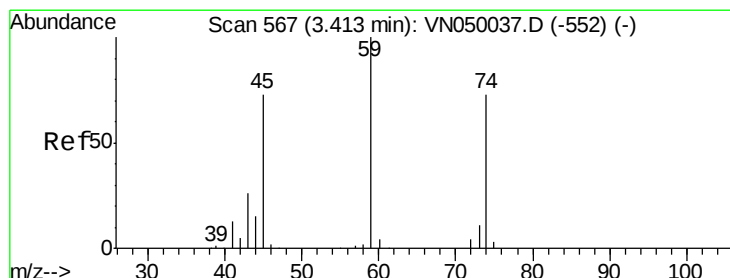
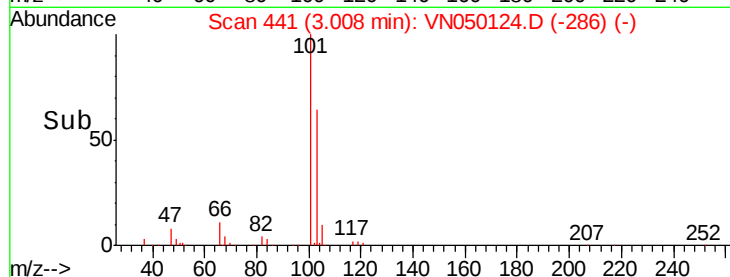
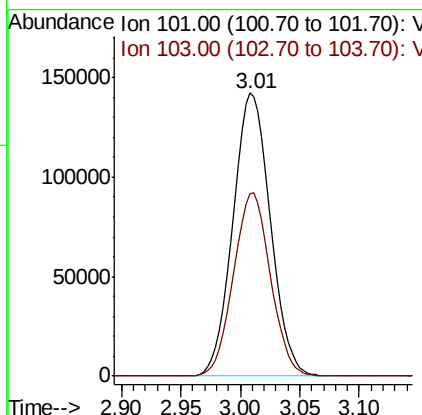
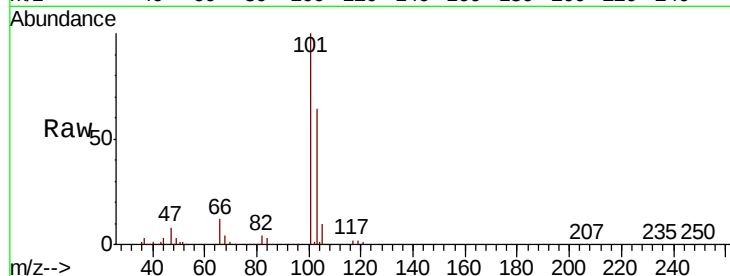
Trichlorofluoromethane
Concen: 20.432 ug/l
RT: 3.01 min Scan# 441
Delta R.T. -0.00 min
Lab File: VN050124.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.5	77.3

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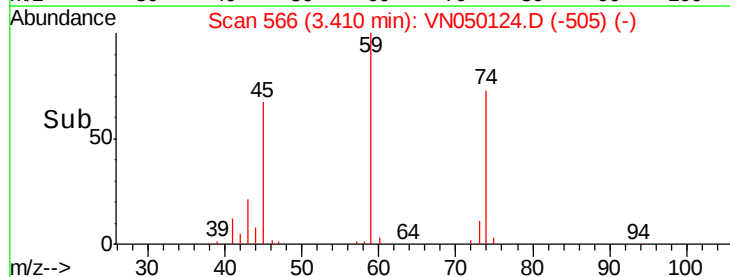
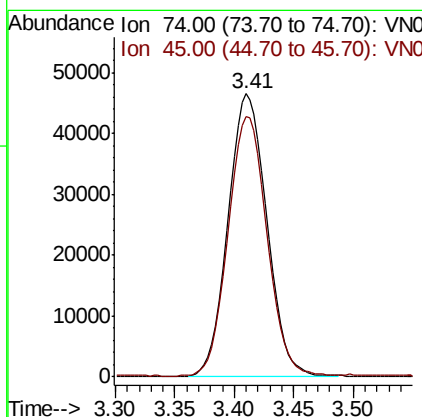
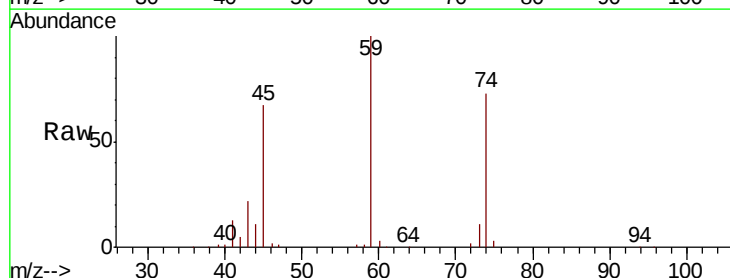
MMDadoda
7/30/2018 1:37:15 PM

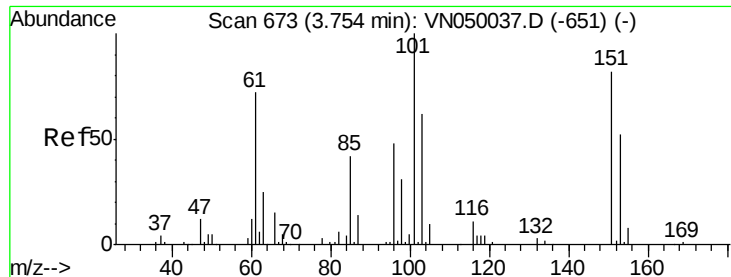


#8

Diethyl Ether
Concen: 20.705 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.7	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.589 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

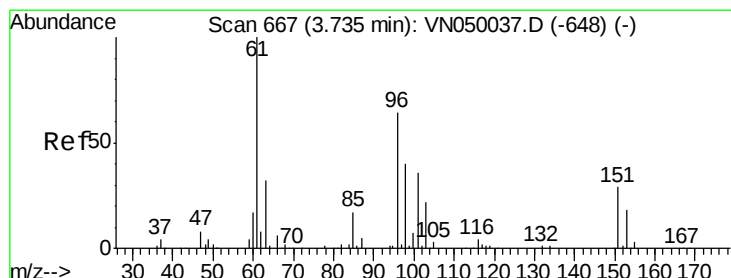
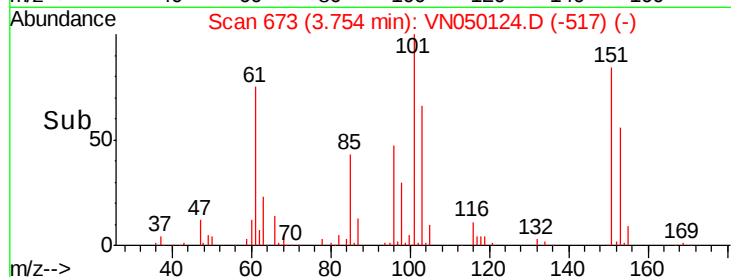
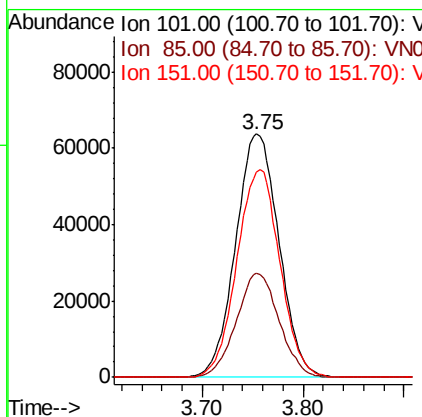
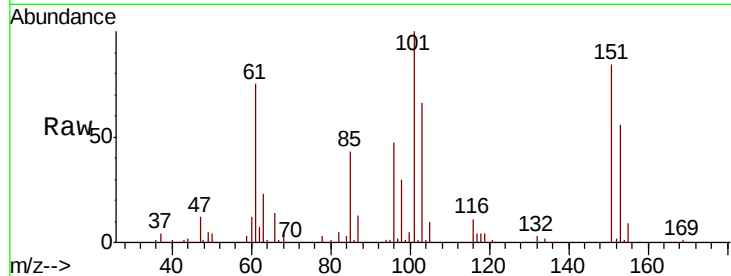
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	190249
Ion Ratio	Lower	Upper	
101	100		
85	42.2	0.0	83.0
151	84.8	0.0	166.8

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#10

1,1-Dichloroethene

Concen: 20.666 ug/l

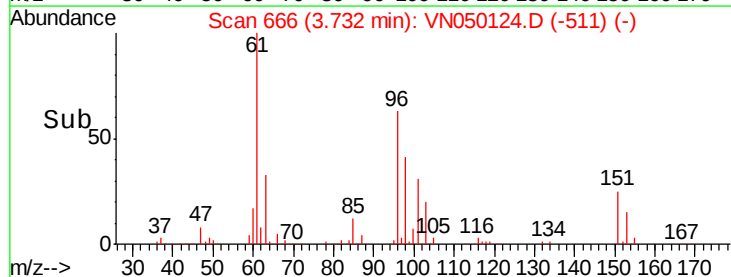
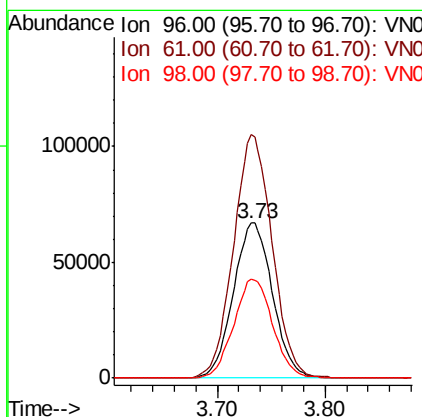
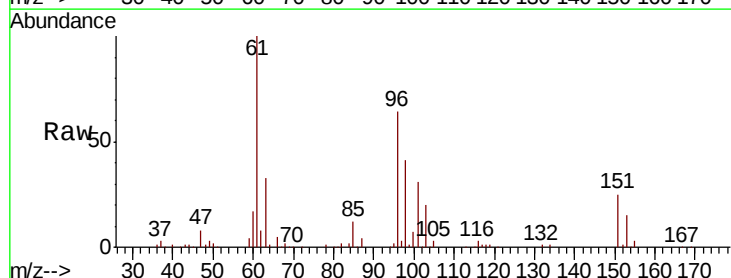
RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion:	96	Resp:	169321
Ion Ratio	Lower	Upper	
96	100		
61	157.1	130.6	195.8
98	63.8	53.5	80.3





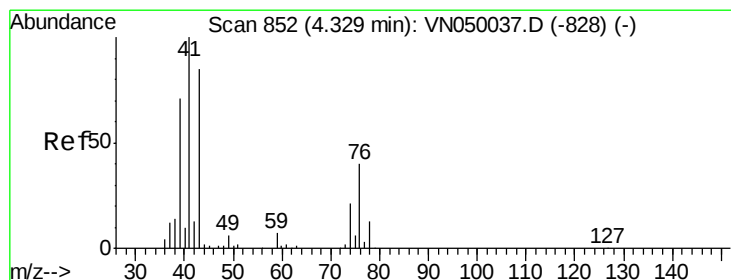
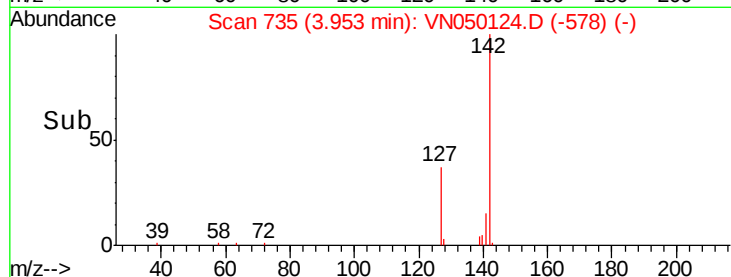
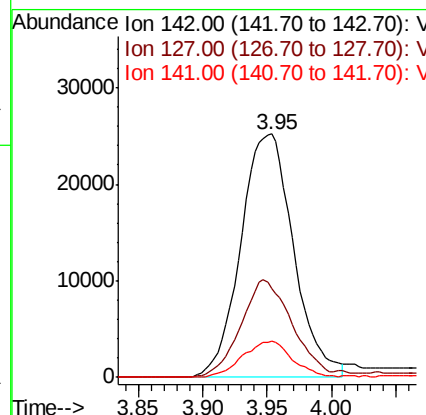
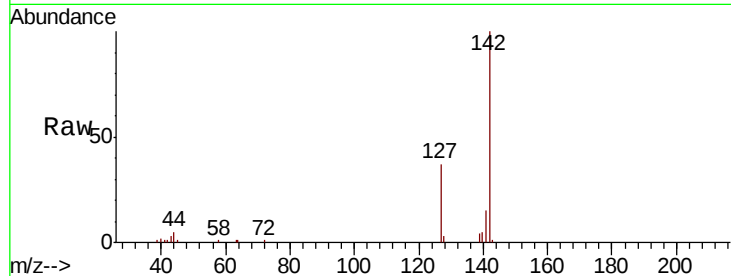
#11
Methyl Iodide
Concen: 5.964 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	36.3	20.2	60.5
141	14.7	6.9	20.6

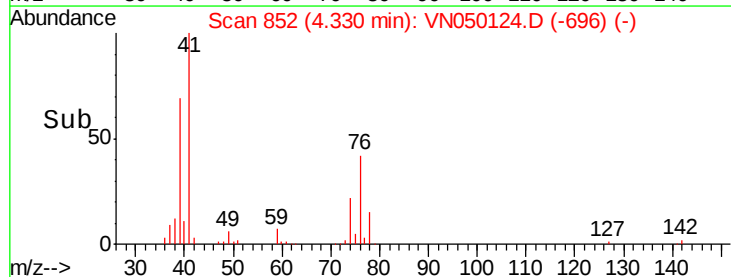
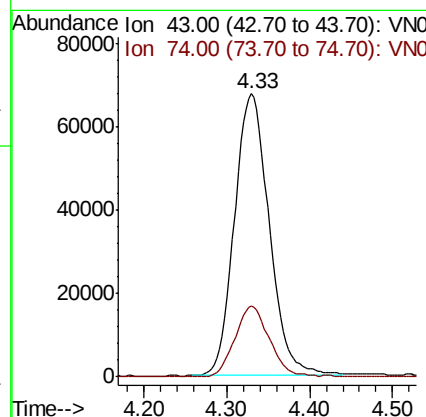
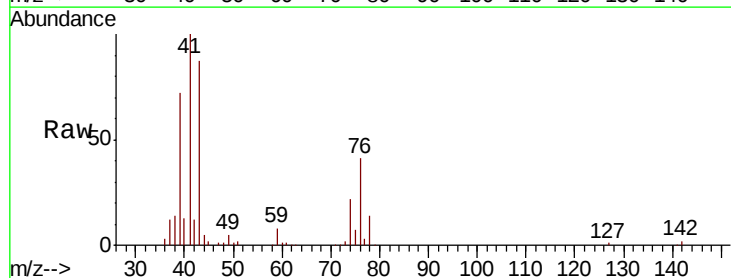
Manual Integrations
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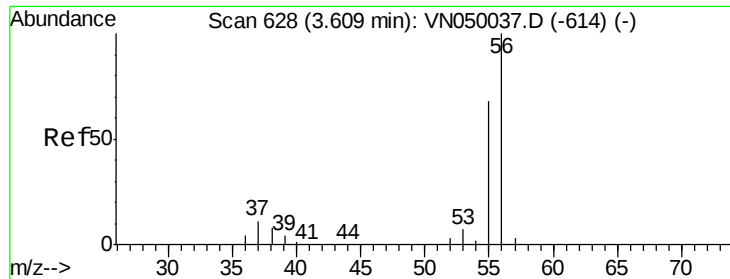
MMDadoda
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#12
Methyl Acetate
Concen: 21.120 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.3	28.9





#13

Acrolein

Concen: 52.353 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 30366

Ion Ratio Lower Upper

56 100

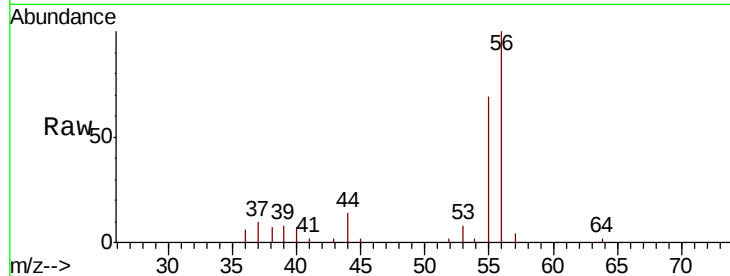
55 68.7 58.6 88.0

Manual Integrations

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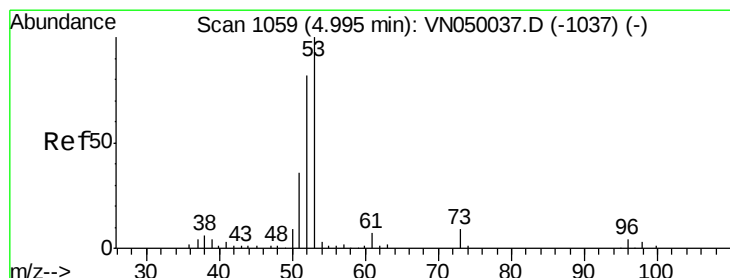
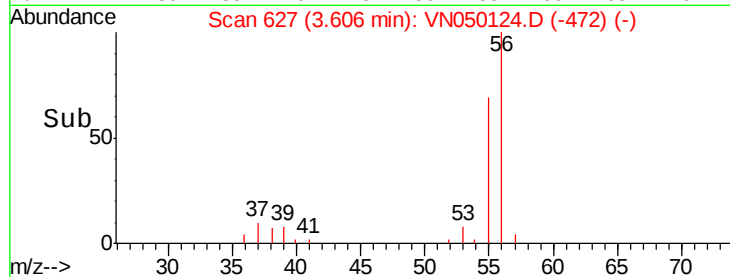
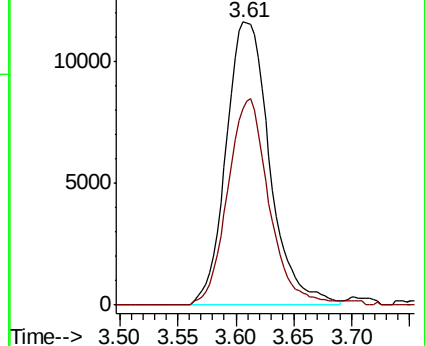
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 97.822 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

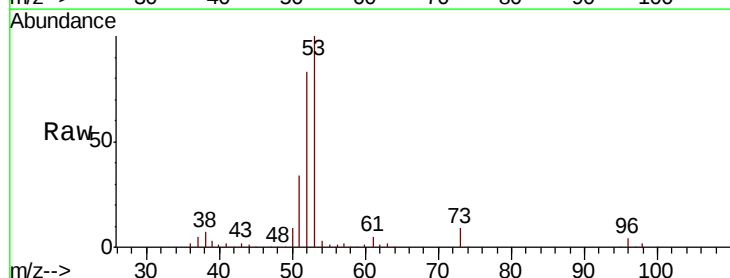
Tgt Ion: 53 Resp: 306355

Ion Ratio Lower Upper

53 100

52 81.6 41.5 124.5

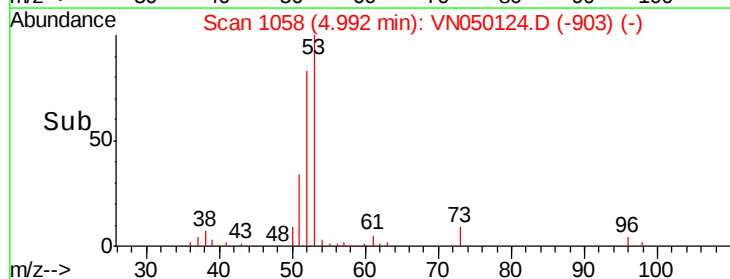
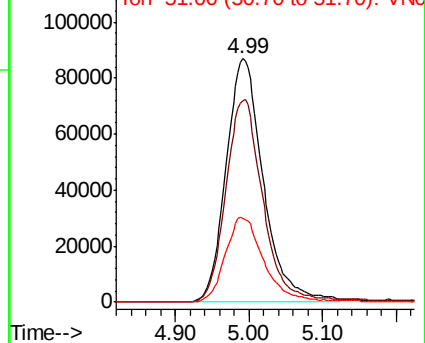
51 35.6 18.7 56.1

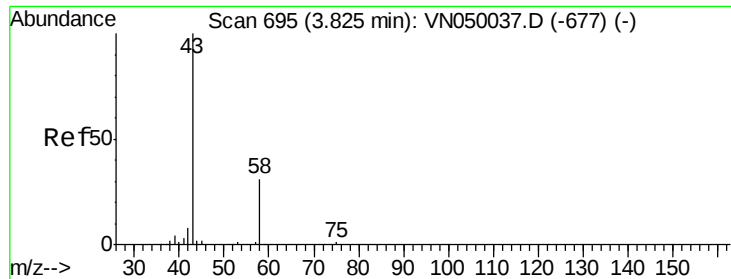


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 107.828 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 89745

Ion Ratio Lower Upper

58 100

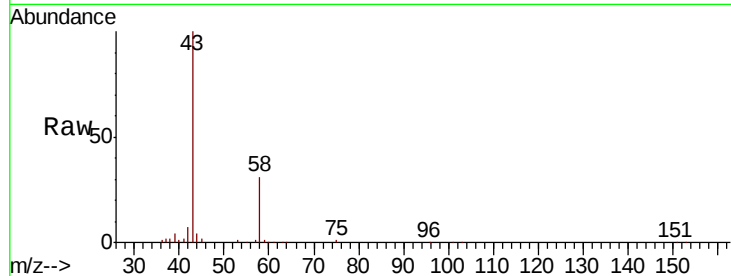
43 320.5 252.0 378.0

Manual Integrations

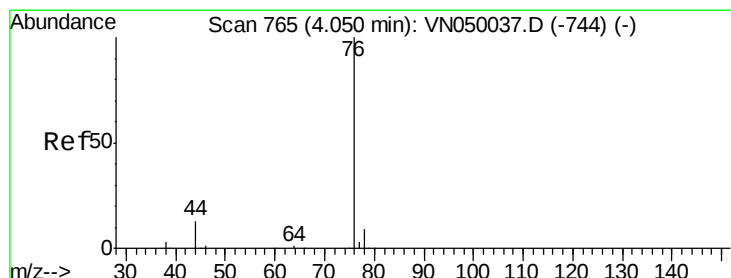
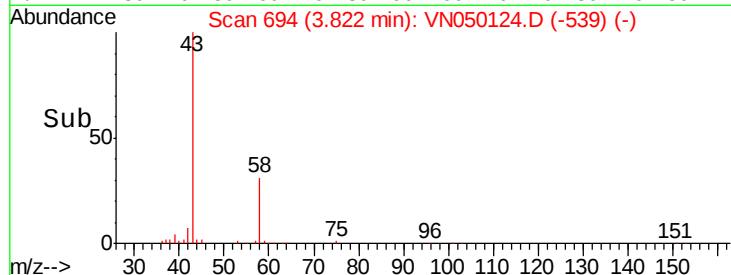
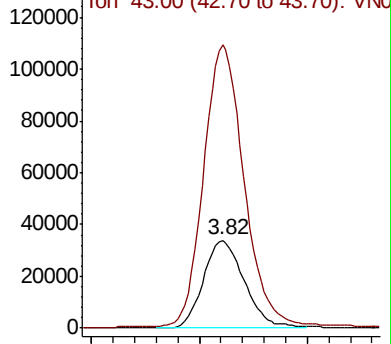
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Abundance Ion 58.00 (57.70 to 58.70): VN050124.D (-539) (-)



#16

Carbon Disulfide

Concen: 19.278 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050124.D

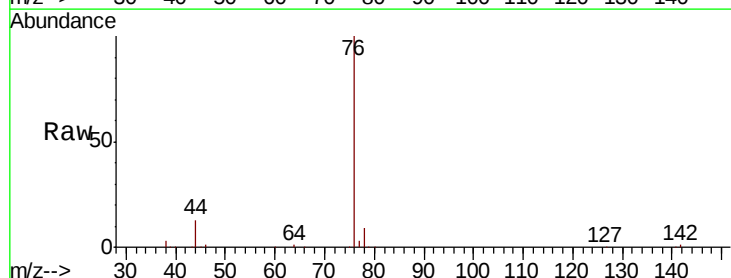
Acq: 27 Jul 2018 11:08

Tgt Ion: 76 Resp: 483370

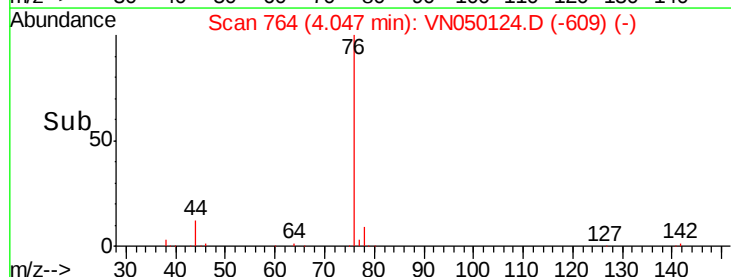
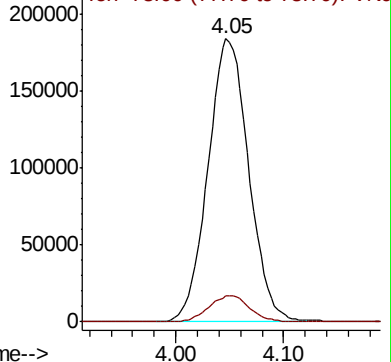
Ion Ratio Lower Upper

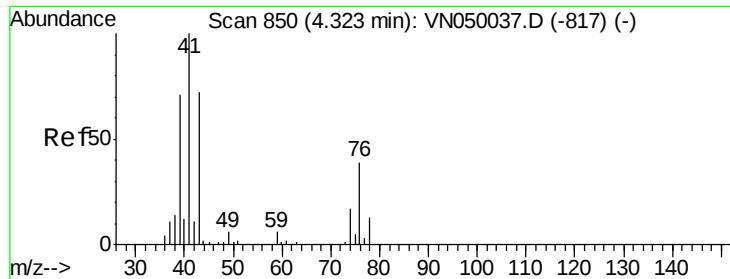
76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050124.D (-609) (-)





#17

Allvl chloride

Concen: 20.021 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

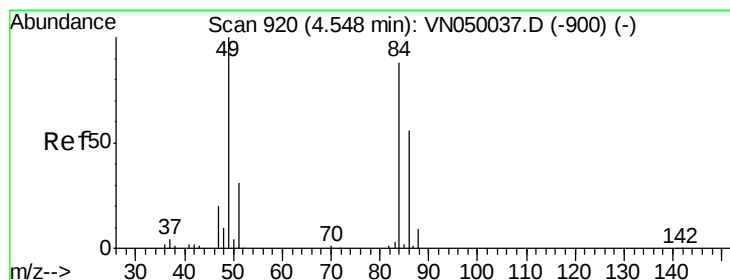
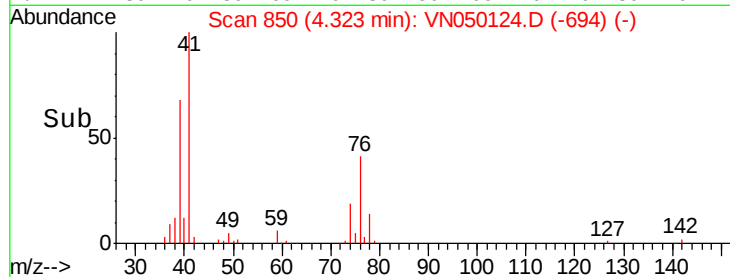
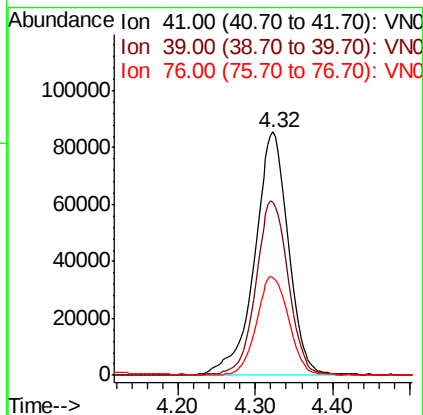
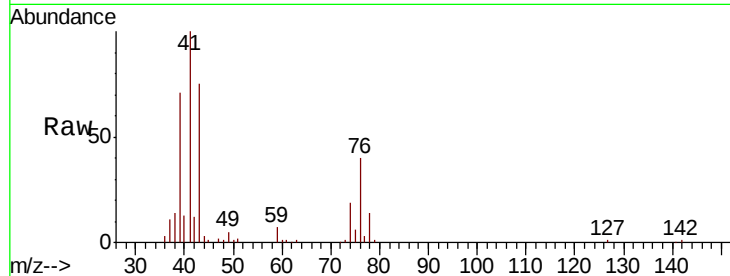
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	259054
Ion	Ratio	Lower	Upper
41	100		
39	70.9	35.4	106.3
76	40.0	19.7	59.1

Manual Integrations
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#18

Methylene Chloride

Concen: 19.760 ug/l

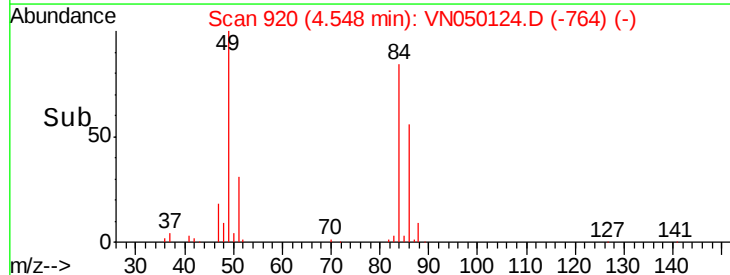
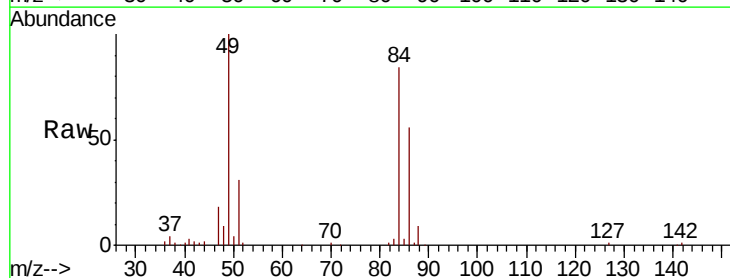
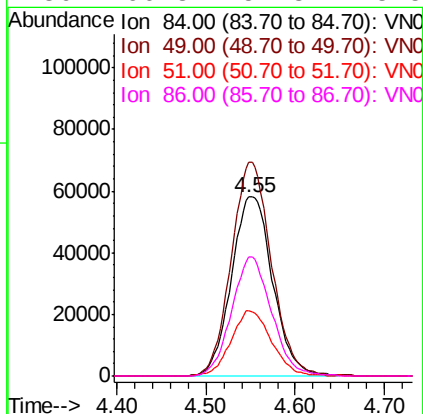
RT: 4.55 min Scan# 920

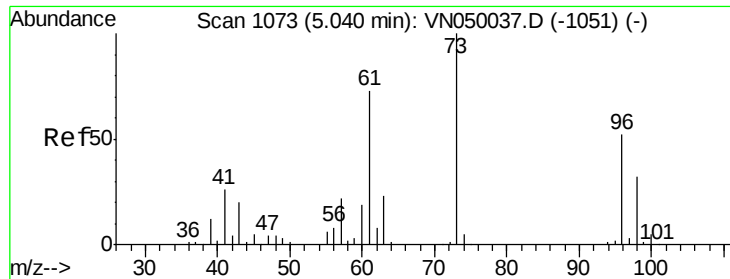
Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion:	84	Resp:	186818
Ion	Ratio	Lower	Upper
84	100		
49	119.0	95.1	142.7
51	36.8	28.8	43.2
86	66.3	52.3	78.5





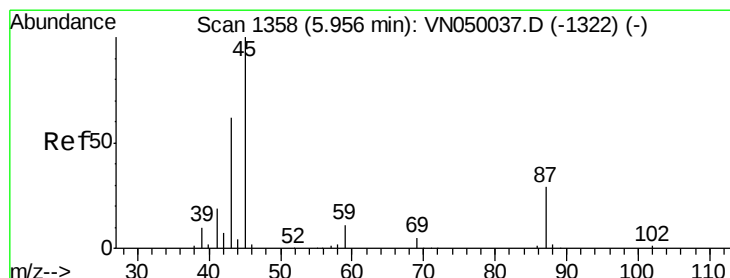
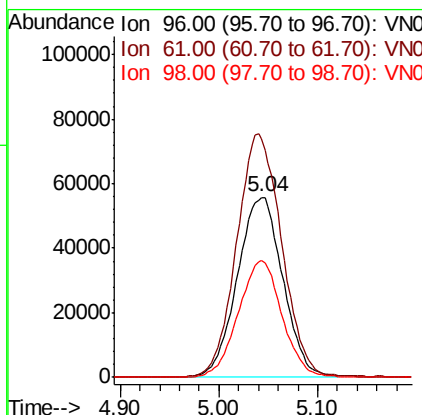
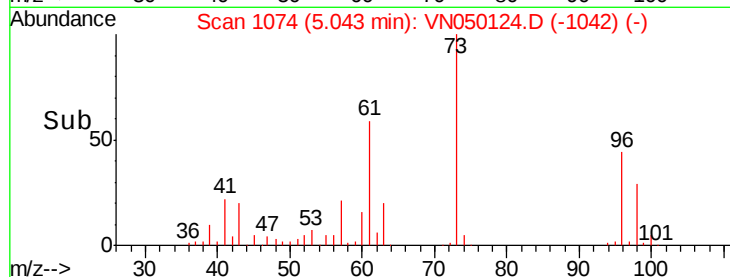
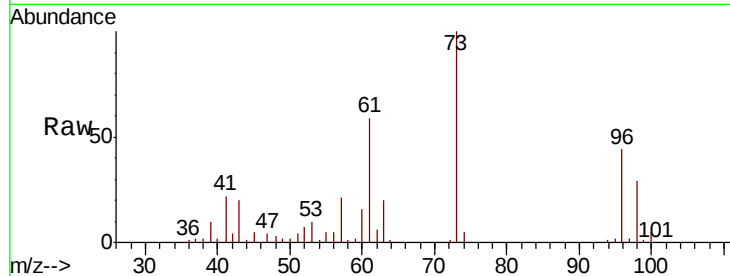
#19
trans-1,2-Dichloroethene
Concen: 20.343 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	112.1	168.1
98	64.8	51.3	76.9

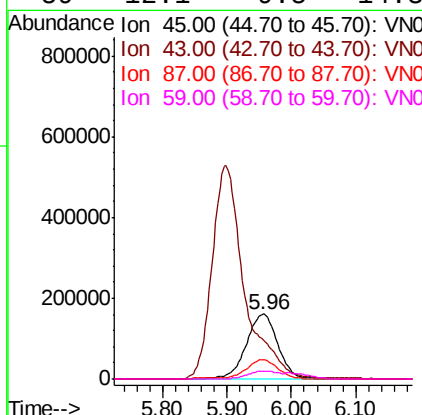
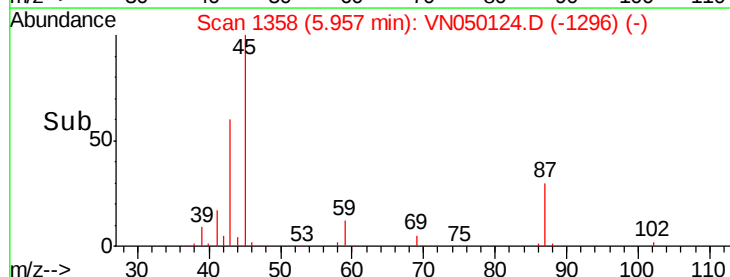
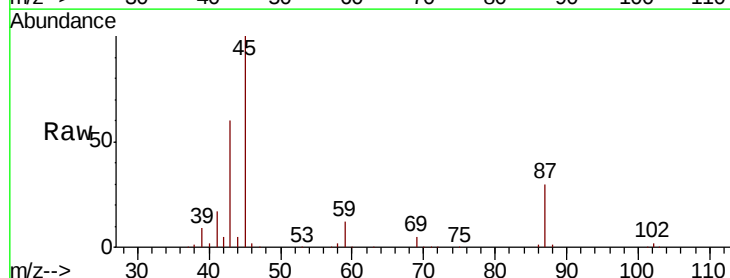
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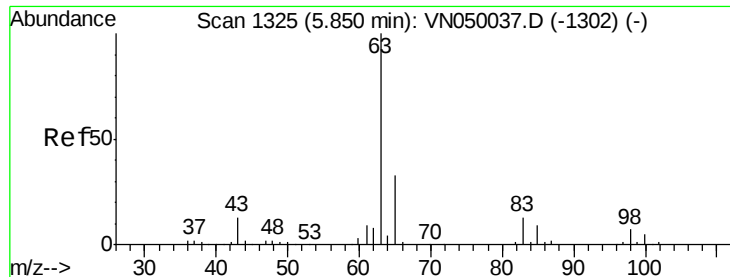
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#20
Diisopropyl ether
Concen: 20.643 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.6	70.0
87	29.5	22.3	33.5
59	12.1	9.5	14.3





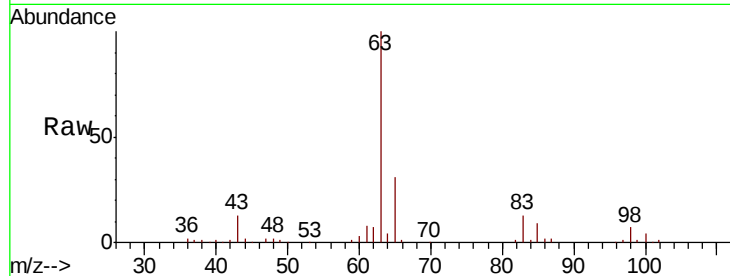
#21
 1,1-Dichloroethane
 Concen: 19.896 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

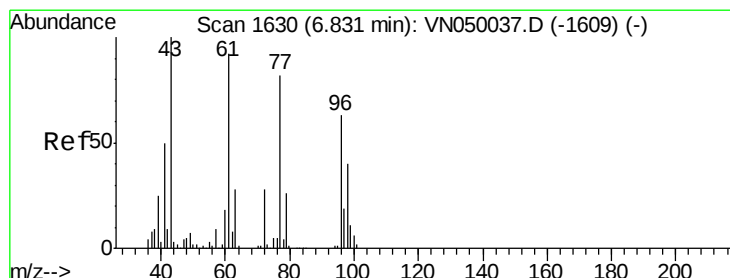
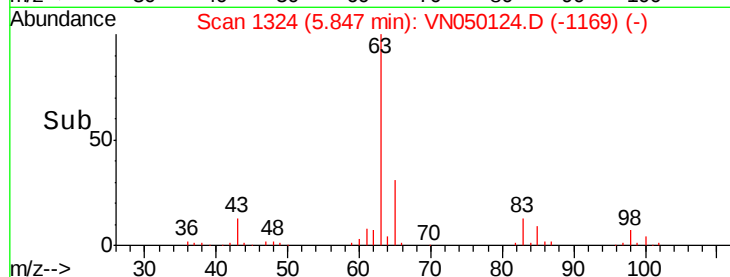
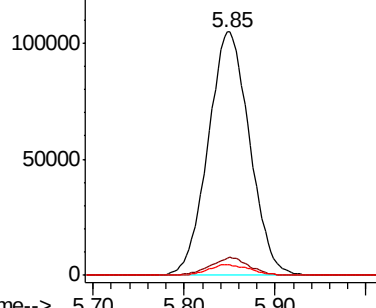
Tot Ion:	63	Resp:	331907
Ion Ratio	Lower	Upper	
63	100		
98	7.2	3.5	10.6
100	4.4	2.3	6.8

Manual Integrations
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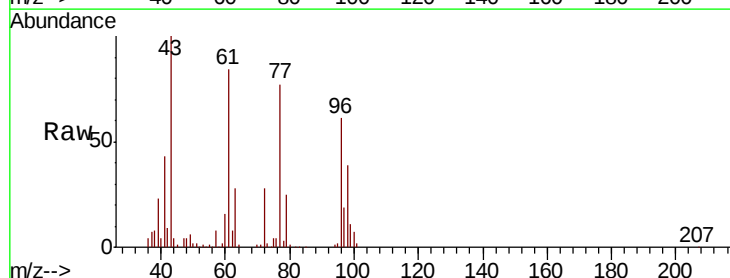


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

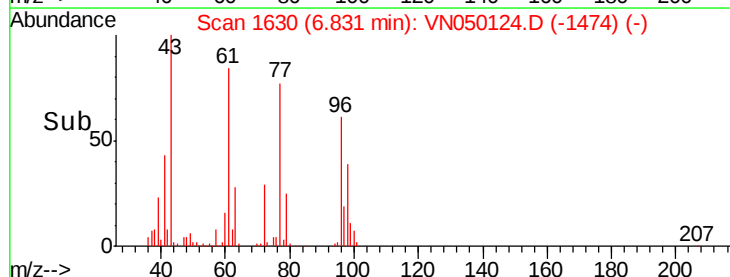
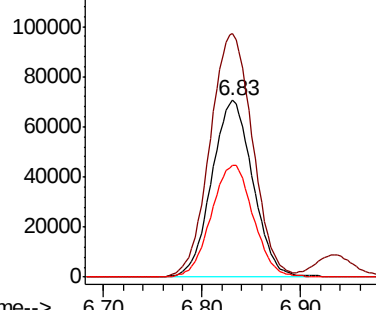


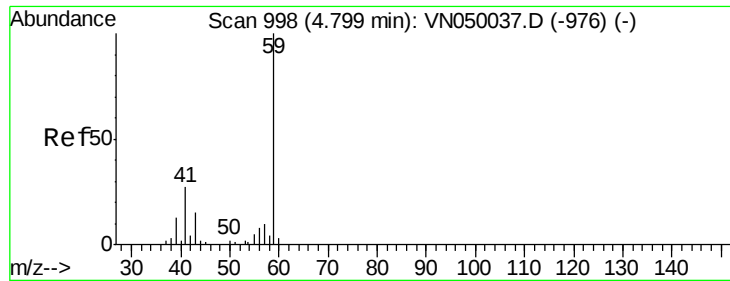
#22
 cis-1,2-Dichloroethene
 Concen: 20.921 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion:	96	Resp:	203515
Ion Ratio	Lower	Upper	
96	100		
61	142.8	114.2	171.2
98	64.5	51.7	77.5



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





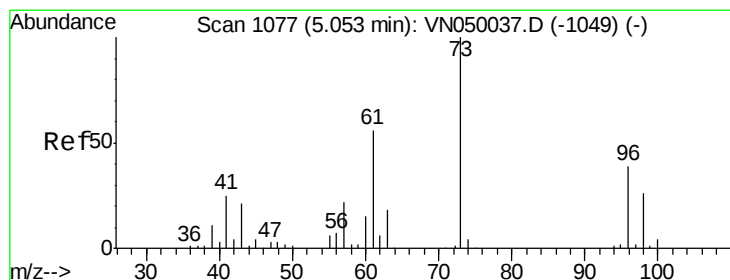
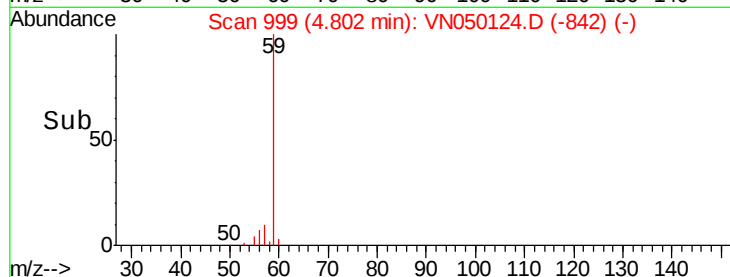
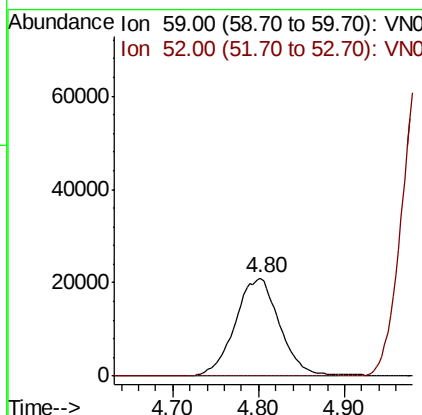
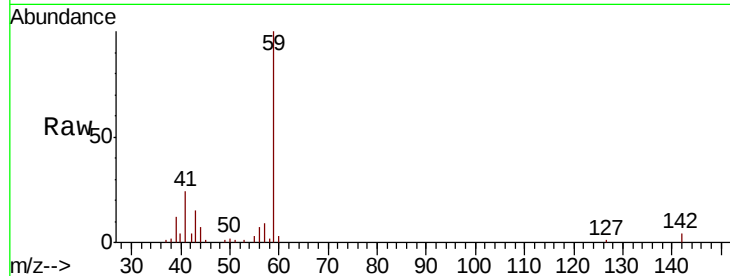
#23
 tert-Butyl Alcohol
 Concen: 107.660 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 59 Resp: 75339
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

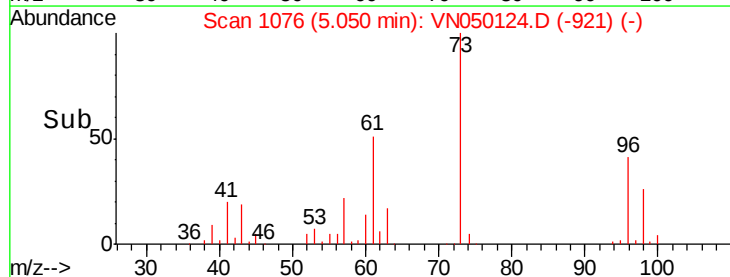
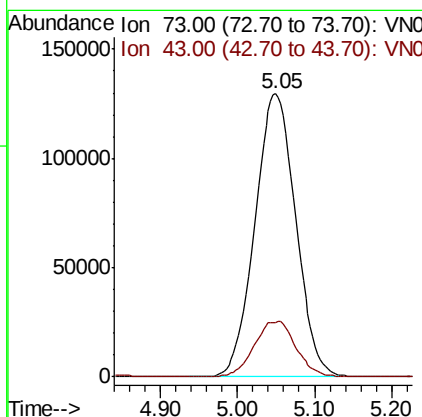
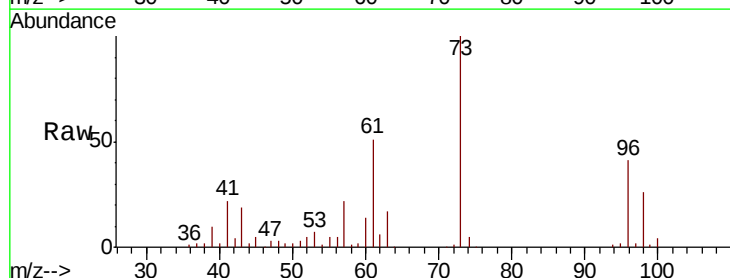
Manual Integrations
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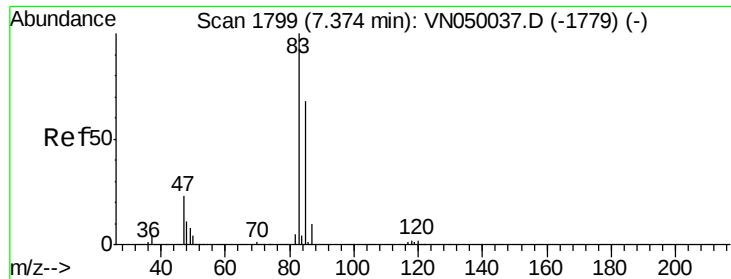
MMDadoda
 7/30/2018 1:37:15 PM



#24
 Methyl tert-Butyl Ether
 Concen: 21.325 ug/l m
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 73 Resp: 476491
 Ion Ratio Lower Upper
 73 100
 43 0.0 15.5 23.3#





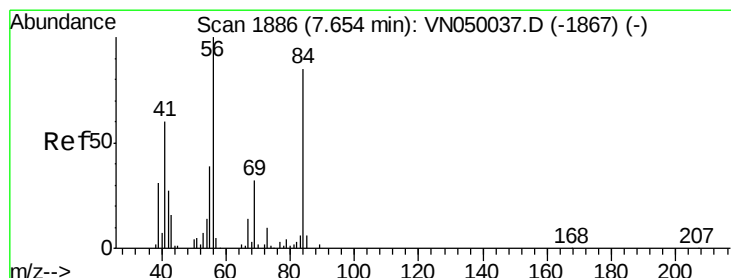
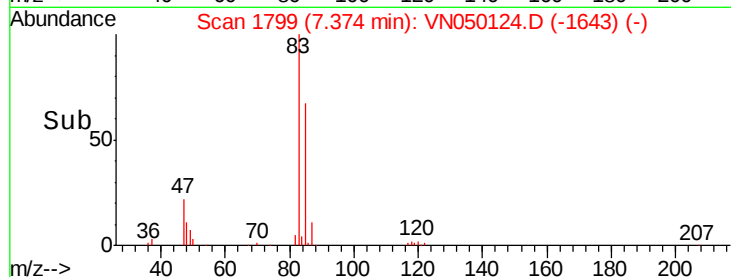
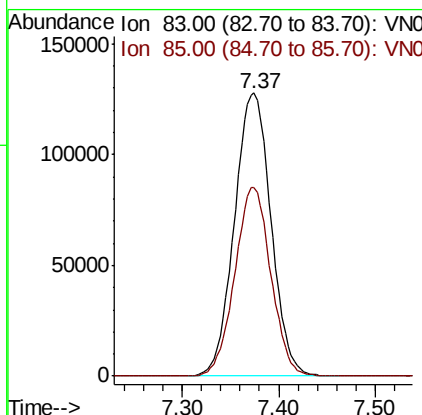
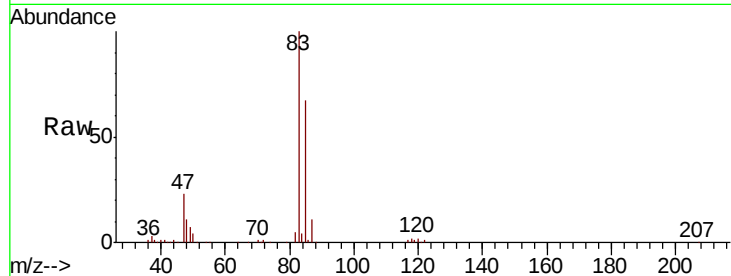
#25
Chloroform
Concen: 19.914 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	83	Resp	336306
Ion Ratio	100	Lower	Upper
83	100		
85	66.8	52.1	78.1

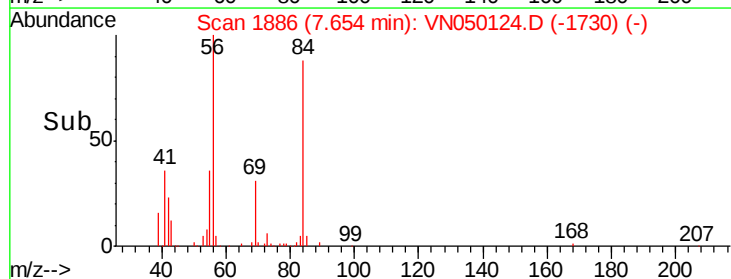
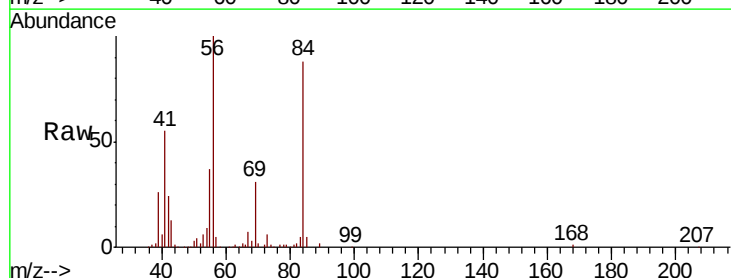
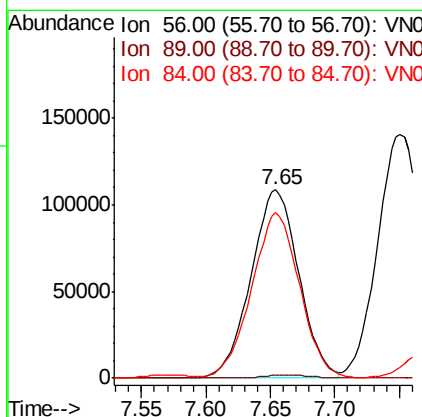
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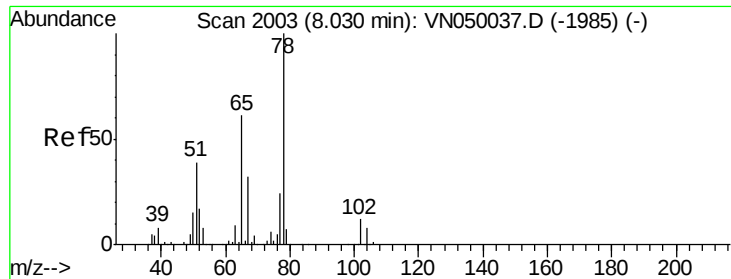
MMDadoda
7/30/2018 1:37:15 PM



#26
Cyclohexane
Concen: 21.185 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	56	Resp	280844
Ion Ratio	100	Lower	Upper
56	100		
89	1.7	3.0	4.4#
84	88.1	69.8	104.8





#27

1,2-Dichloroethane-d4

Concen: 30.156 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 314986

Ion Ratio Lower Upper

65 100

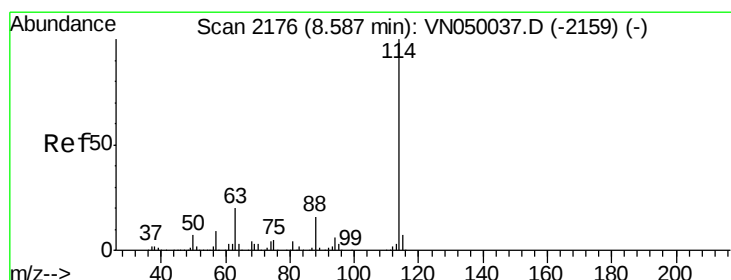
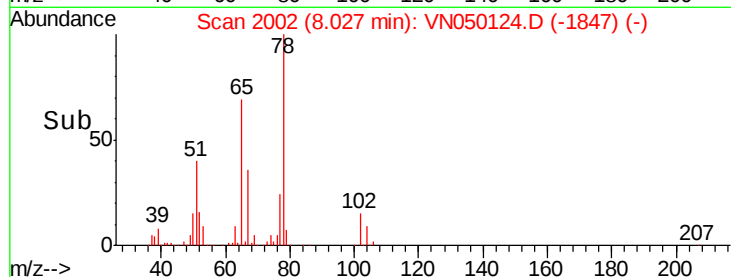
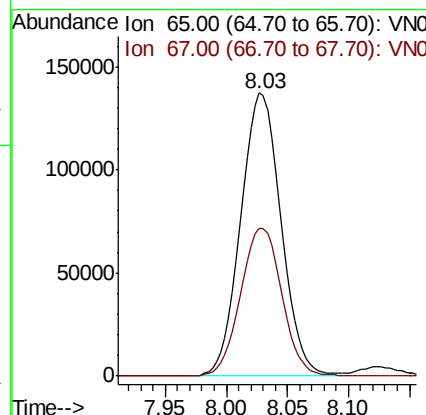
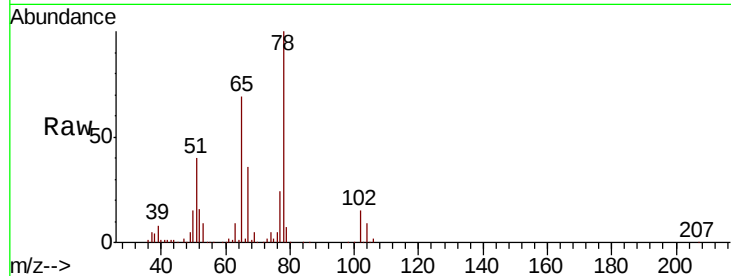
67 53.4 42.7 64.1

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

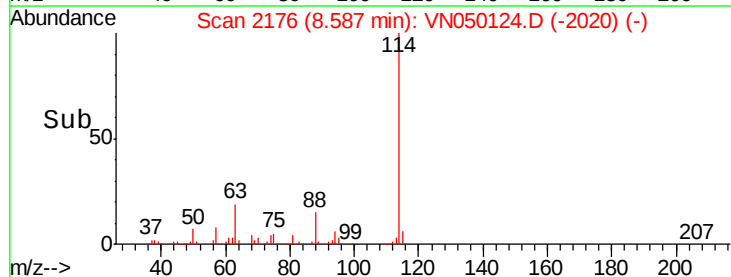
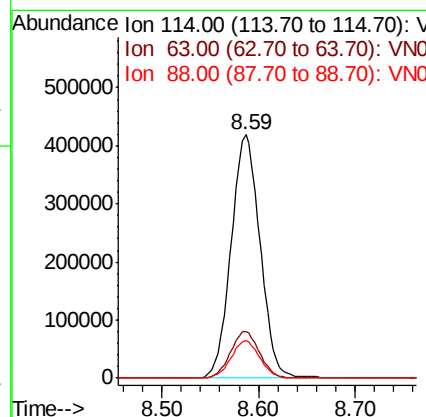
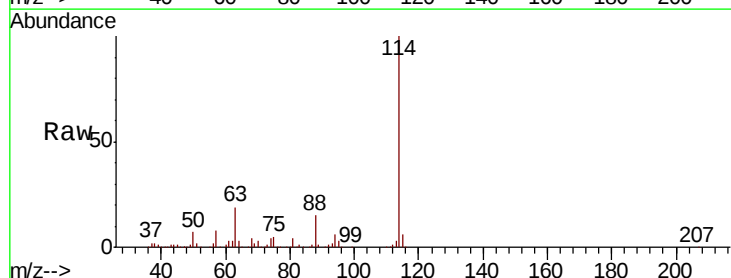
Tgt Ion: 114 Resp: 872653

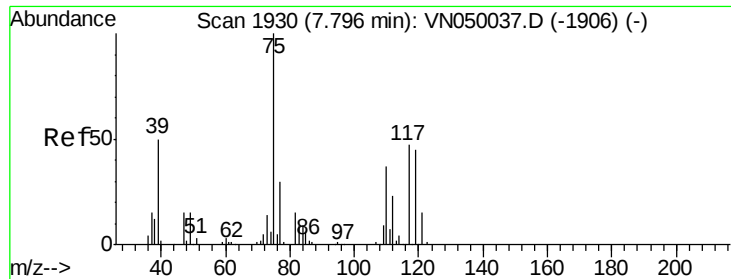
Ion Ratio Lower Upper

114 100

63 19.2 16.2 24.2

88 15.2 12.3 18.5





#29

1,1-Dichloropropene

Concen: 18.699 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

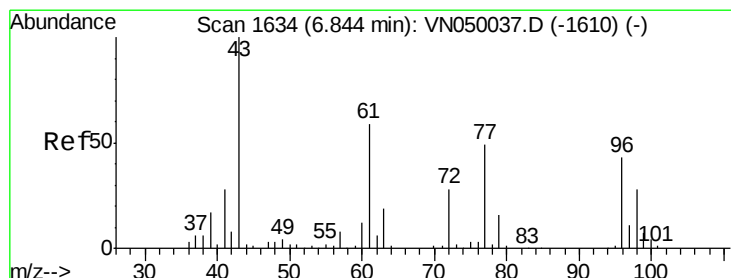
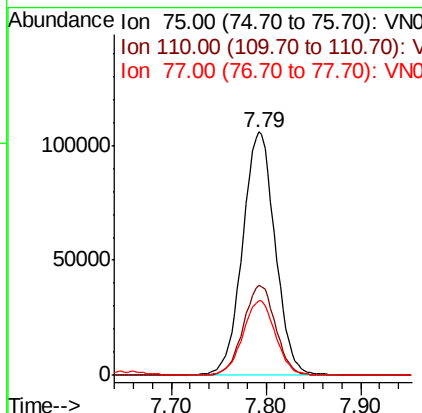
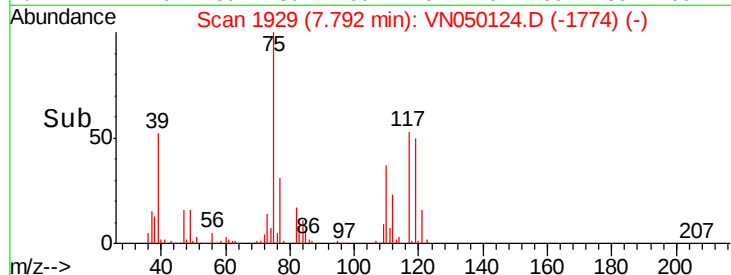
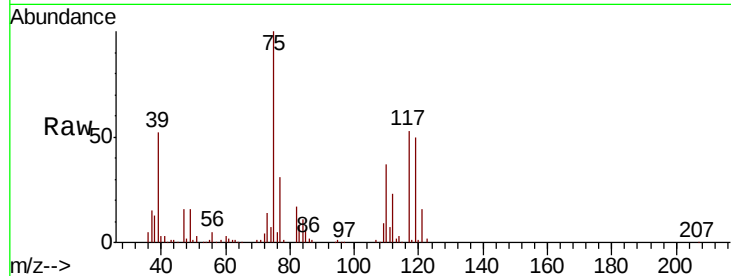
ClientSampled :

VSTDCCC020

Tot Ion:	75	Resp:	253234
Ion Ratio	Lower	Upper	
75	100		
110	36.5	0.0	73.2
77	31.0	0.0	62.0

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#30

2-Butanone

Concen: 91.650 ug/l

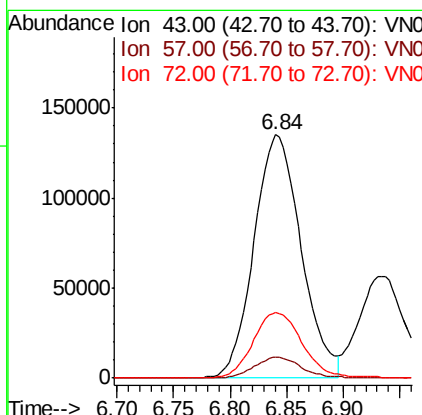
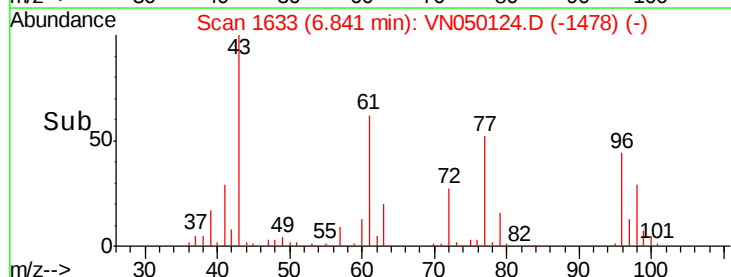
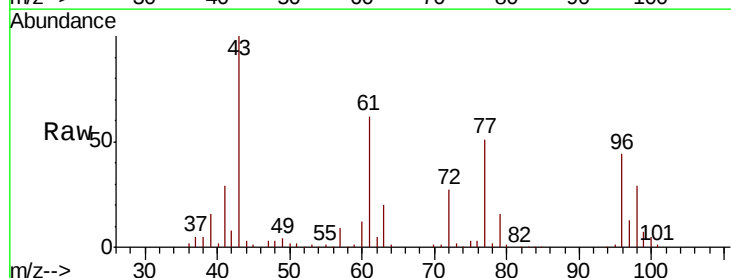
RT: 6.84 min Scan# 1633

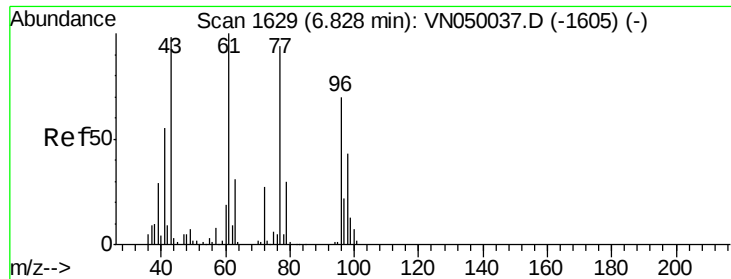
Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion:	43	Resp:	389490
Ion Ratio	Lower	Upper	
43	100		
57	8.7	6.8	10.2
72	28.1	21.4	32.0





#31

2,2-Dichloropropane

Concen: 19.240 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 288022

Ion Ratio Lower Upper

77 100

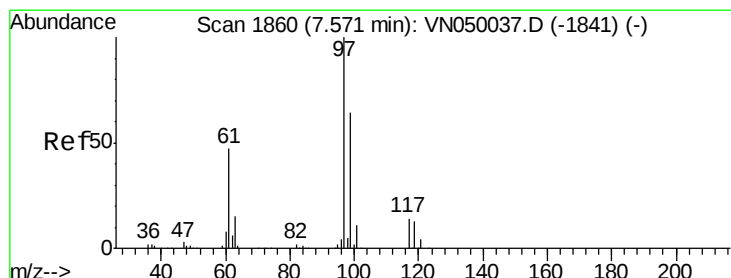
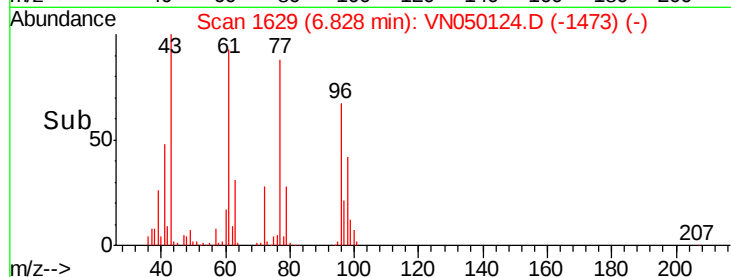
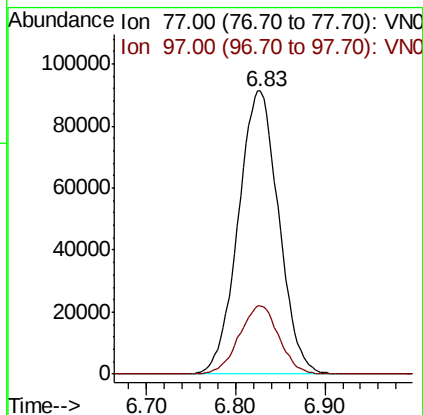
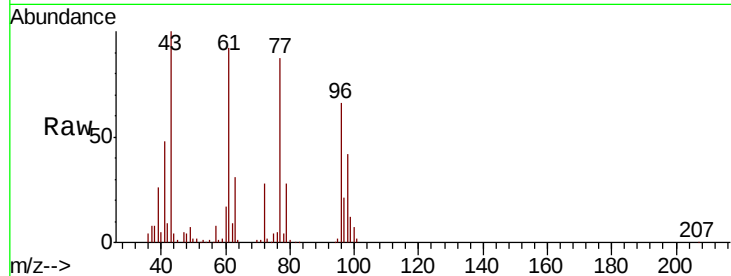
97 23.7 18.9 28.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.517 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

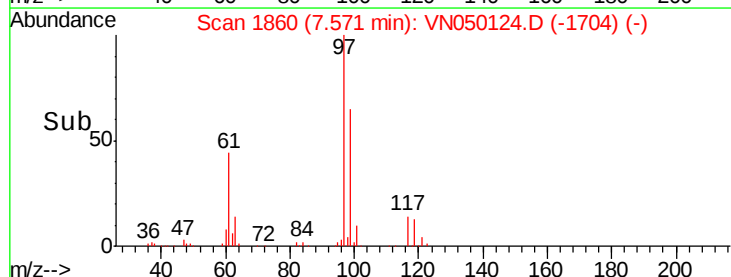
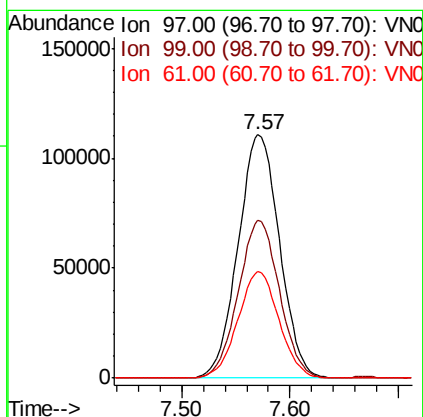
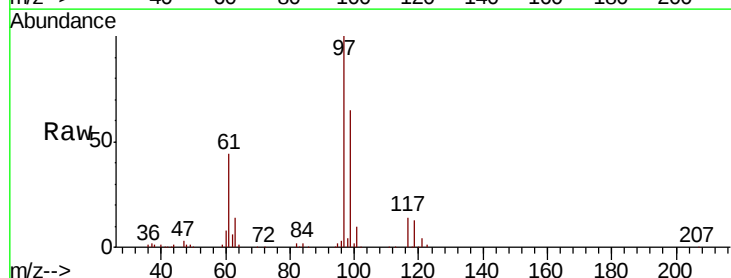
Tgt Ion: 97 Resp: 295179

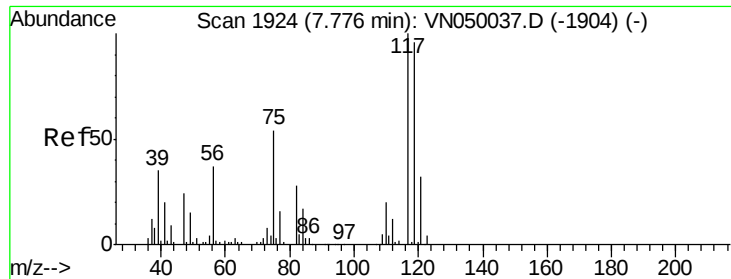
Ion Ratio Lower Upper

97 100

99 64.1 51.2 76.8

61 43.4 35.3 52.9





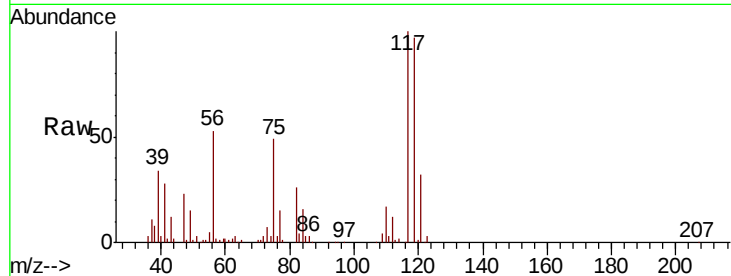
#33
Carbon Tetrachloride
Concen: 18.309 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.9	115.3
121	31.9	24.4	36.6

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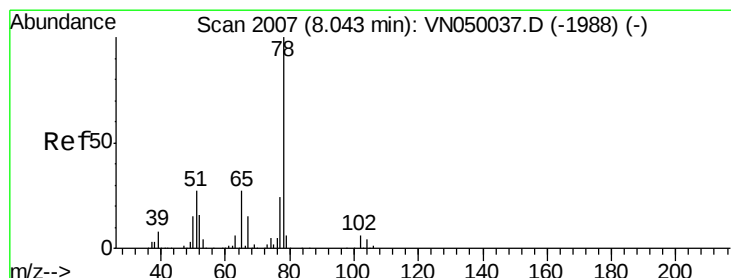
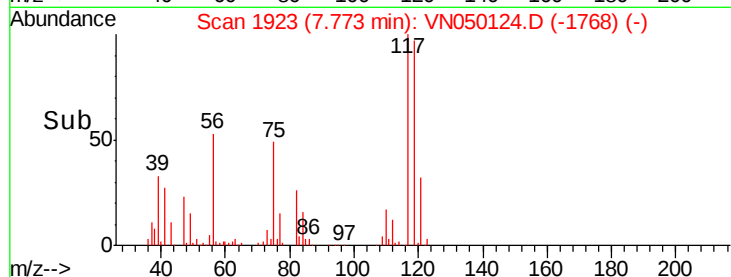
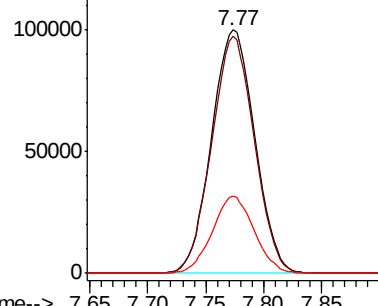


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 18.422 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

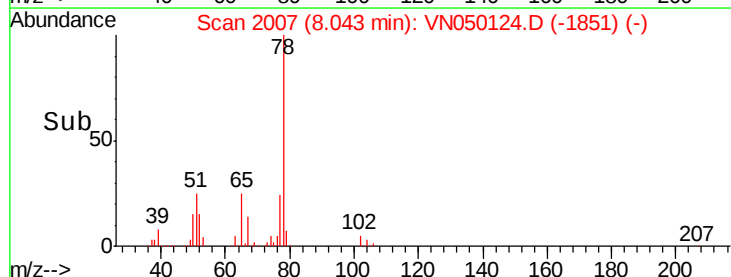
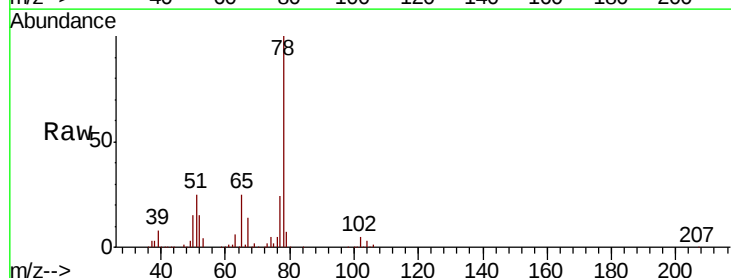
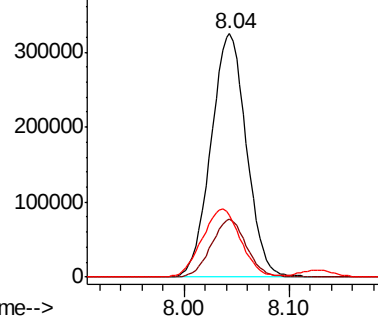
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7
51	25.0	21.0	31.4

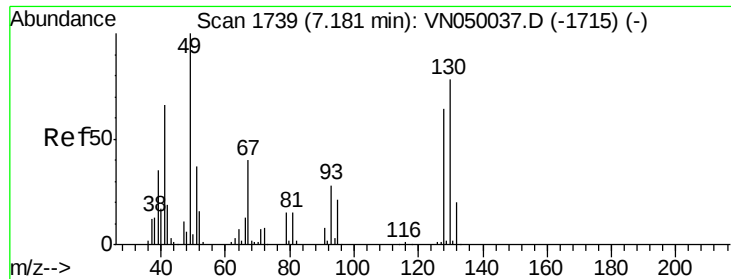
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





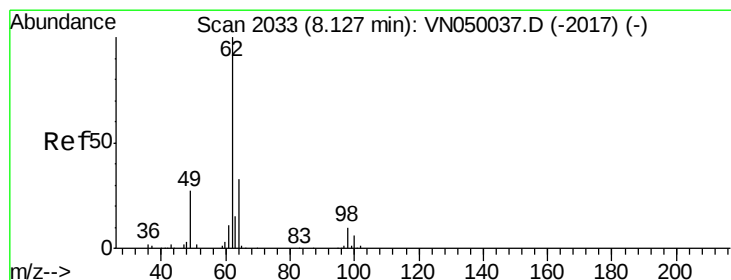
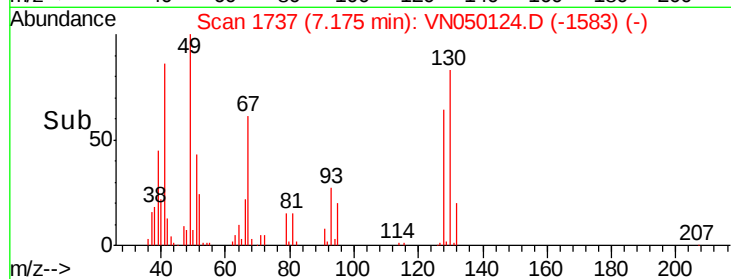
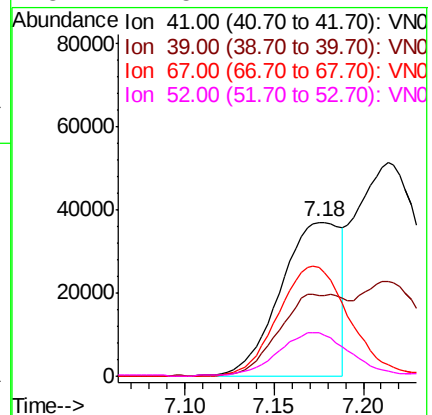
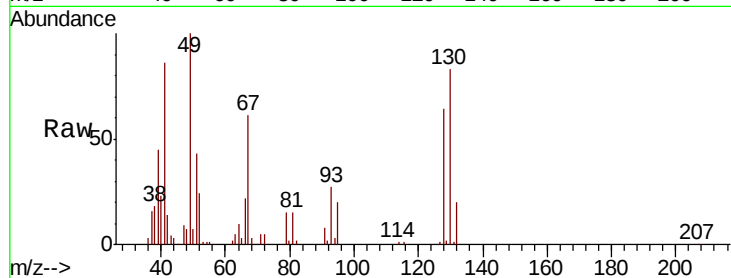
#35
Methacrylonitrile
Concen: 18.022 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	27.6	82.7
67	70.5	35.1	105.5
52	27.5	14.1	42.4

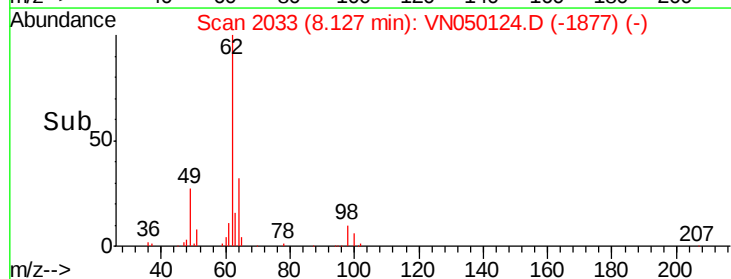
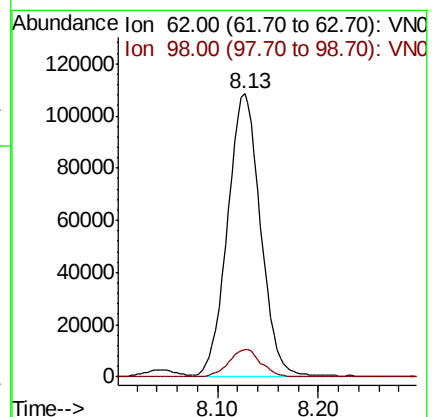
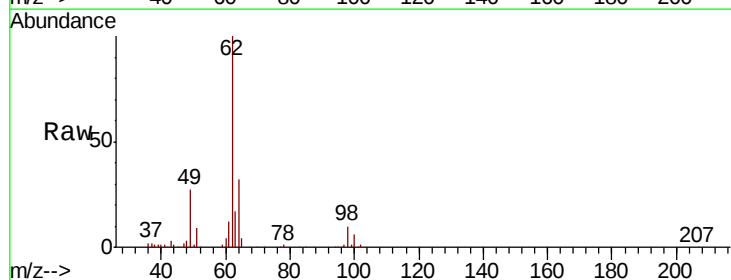
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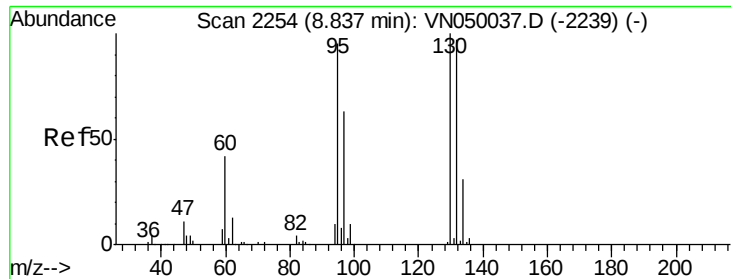
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#36
1,2-Dichloroethane
Concen: 18.285 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	7.8	11.6





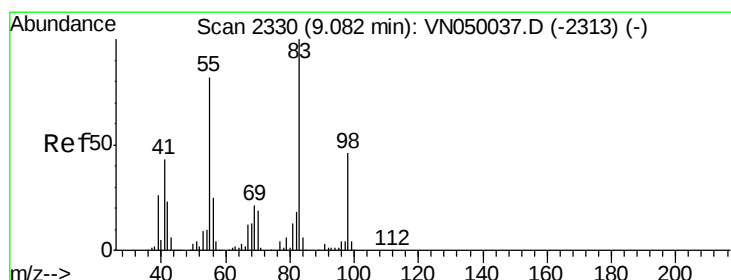
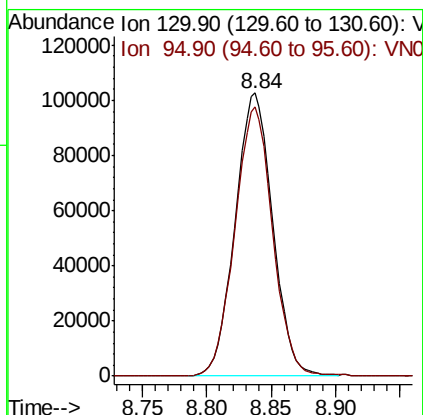
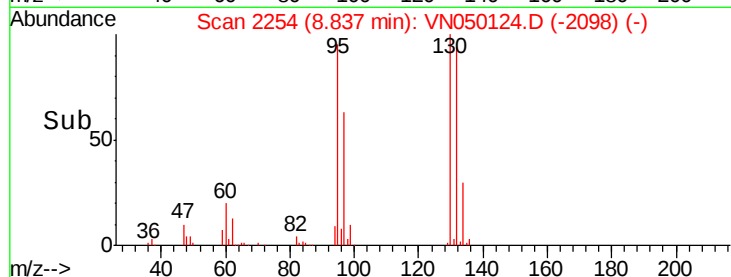
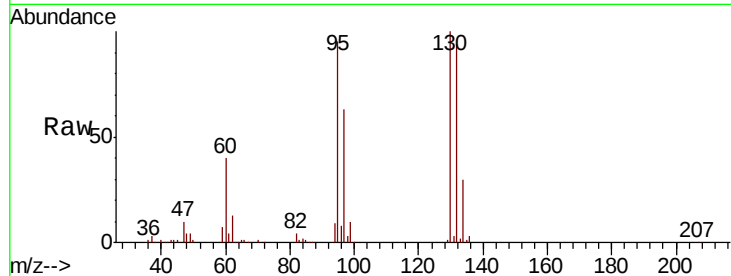
#37
 Trichloroethene
 Concen: 19.287 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
130	100		
95	95.1	79.7	119.5

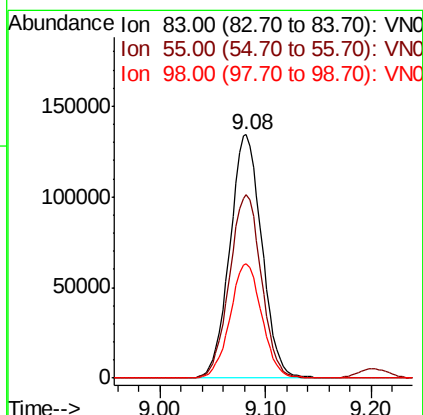
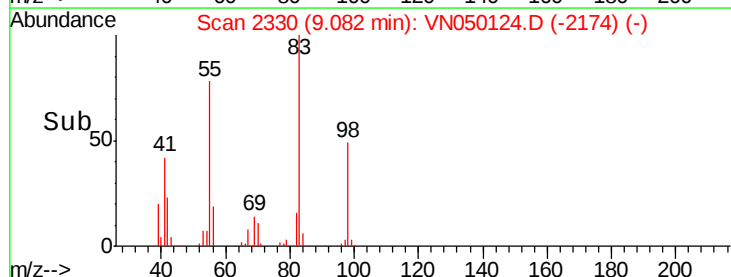
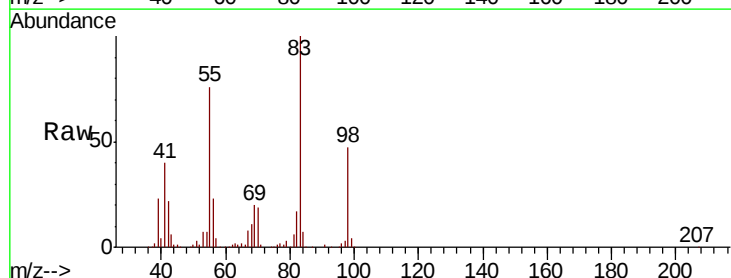
Manual Integrations
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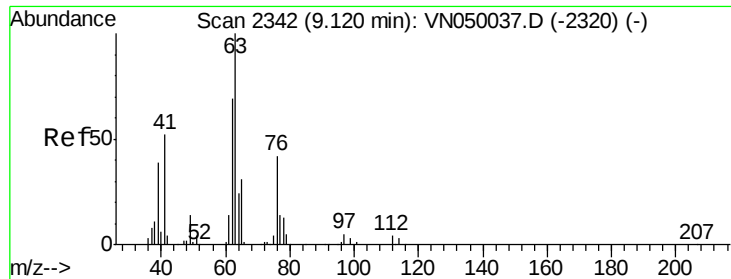
MMDadoda
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#38
 Methylcyclohexane
 Concen: 19.766 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.1	39.3	117.8
98	46.6	23.0	69.0





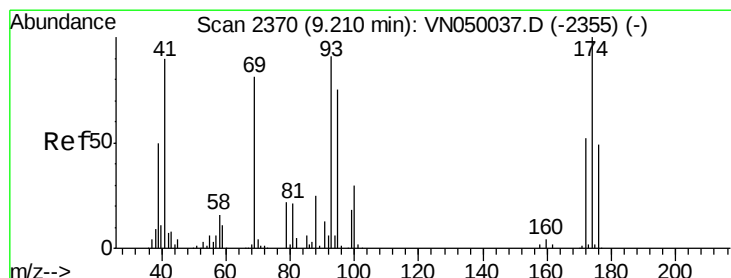
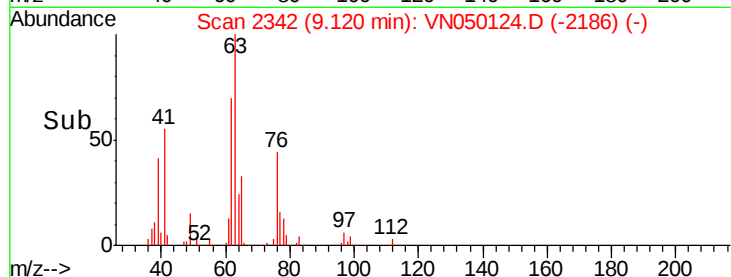
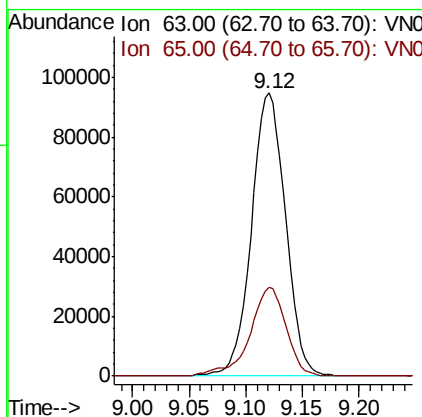
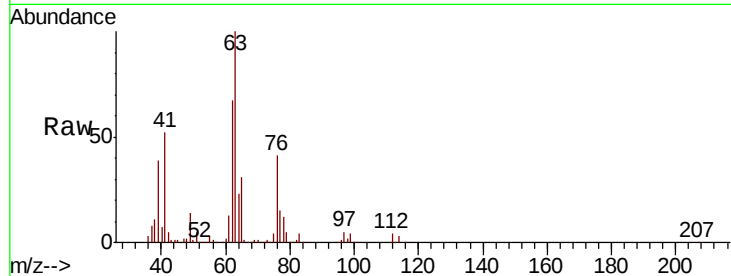
#39
 1,2-Dichloropropane
 Concen: 18.323 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.2	36.2

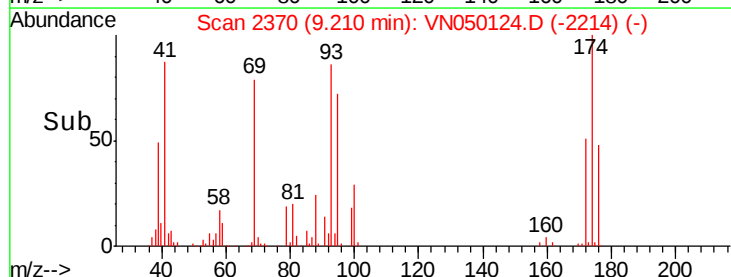
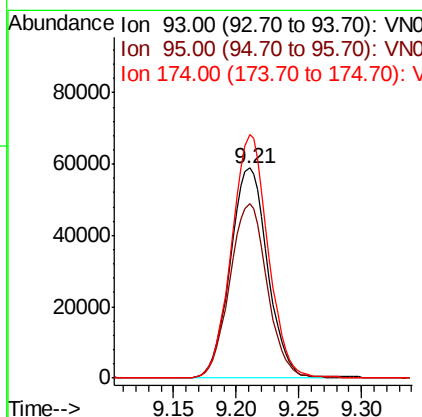
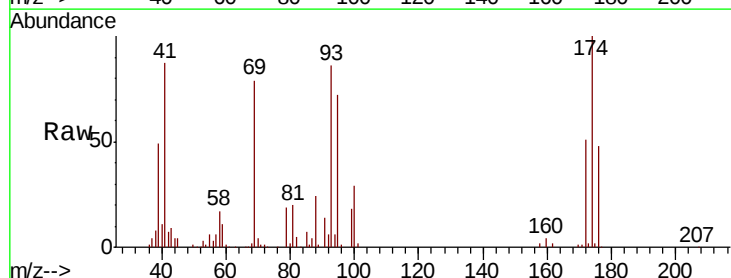
Manual Integrations
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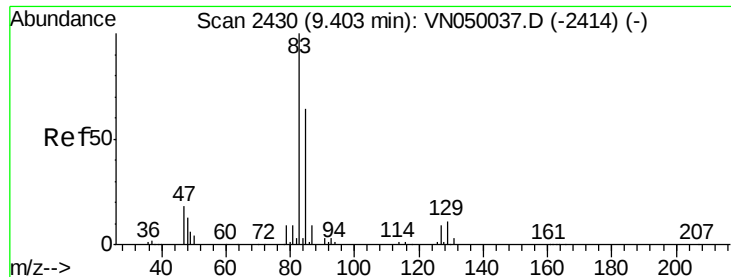
MMDadoda
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#40
 Dibromomethane
 Concen: 18.239 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	165.6
174	112.7	0.0	223.2





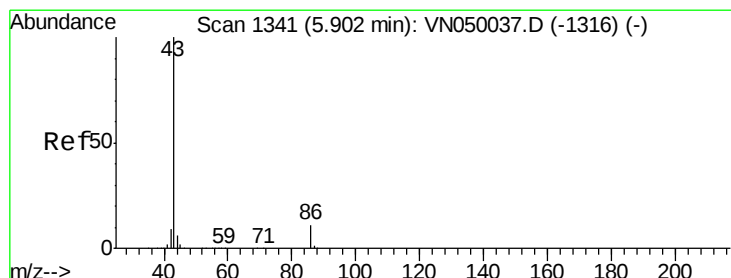
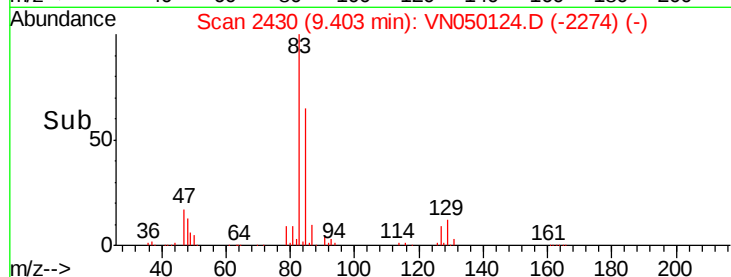
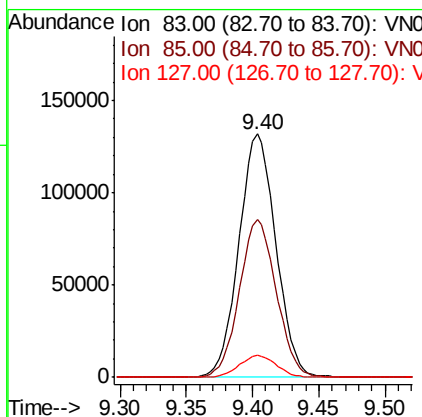
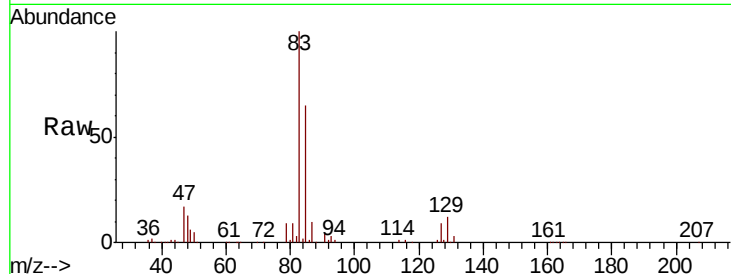
#41
Bromodichloromethane
Concen: 18.118 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	255923
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.6	78.8
127	8.9	7.0	10.4

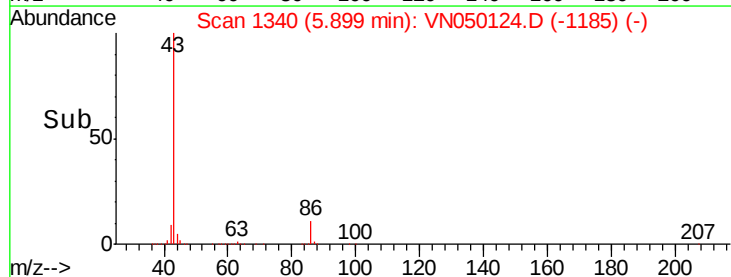
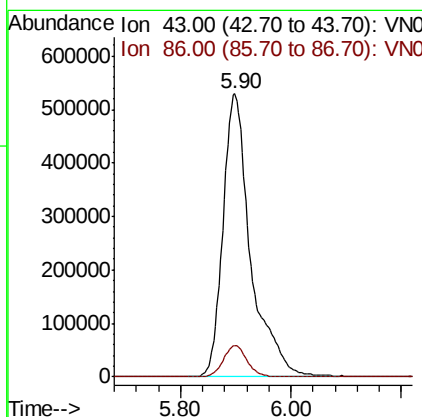
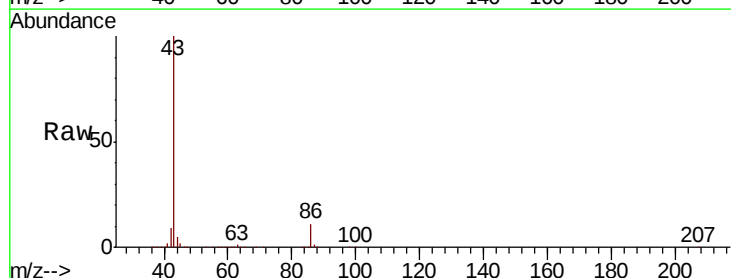
Manual Integrations
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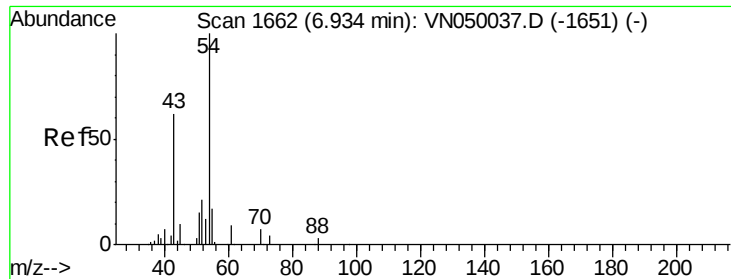
MMDadoda
7/30/2018 1:37:15 PM



#42
Vinyl Acetate
Concen: 92.097 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	43	Resp	1841769
Ion Ratio	100	Lower	Upper
43	100		
86	9.4	7.3	10.9





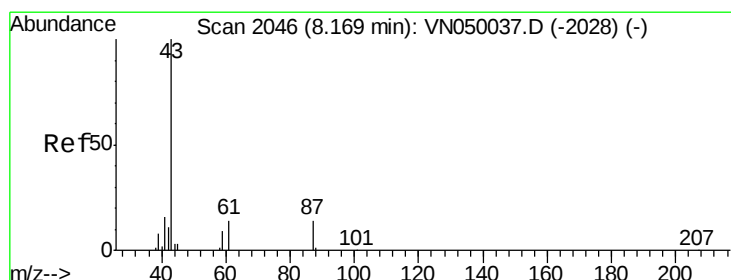
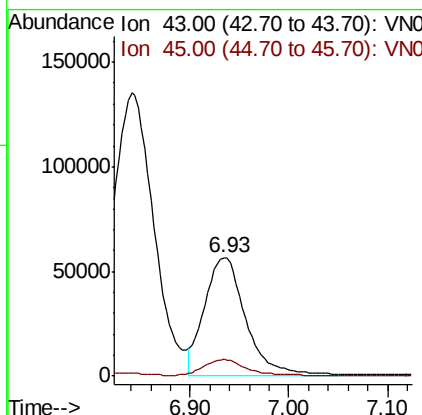
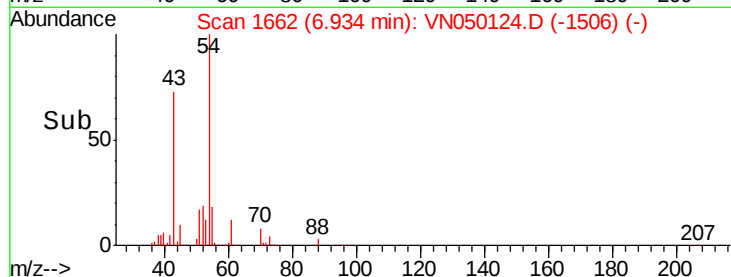
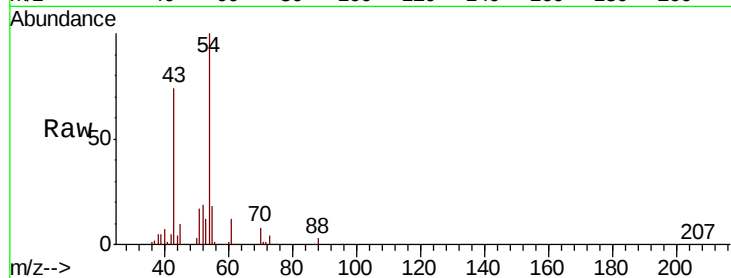
#43
Ethyl Acetate
Concen: 18.455 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 163776
Ion Ratio Lower Upper
43 100
45 13.2 13.0 19.6

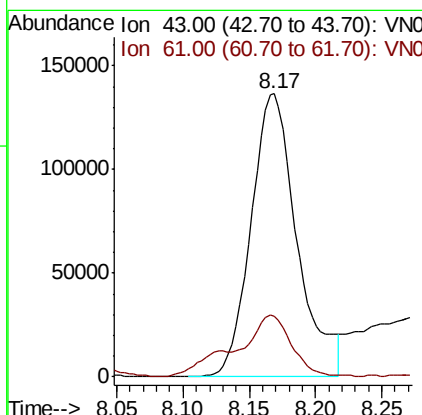
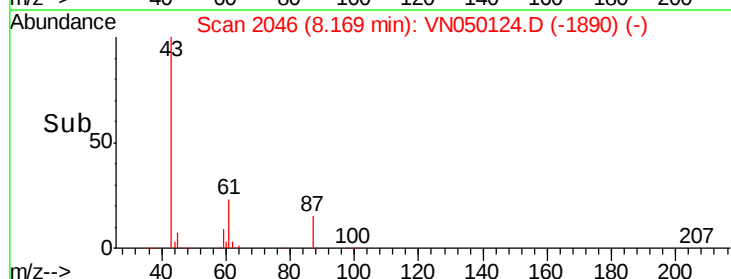
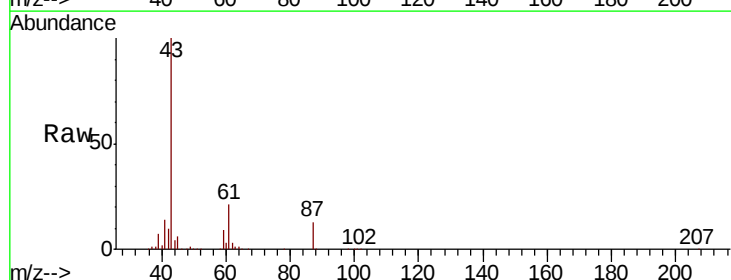
Manual Integrations
APPROVED

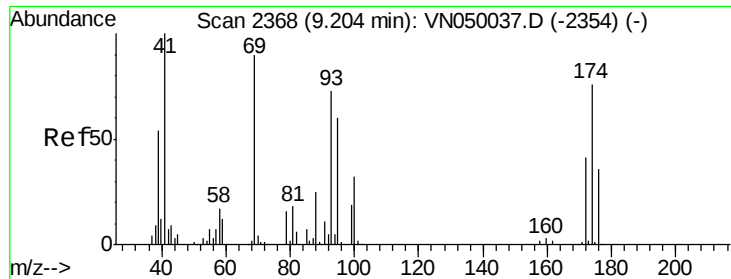
MMDadoda
7/30/2018 1:37:15 PM



#44
Isopropyl Acetate
Concen: 20.006 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion: 43 Resp: 328871
Ion Ratio Lower Upper
43 100
61 17.5 16.4 24.6





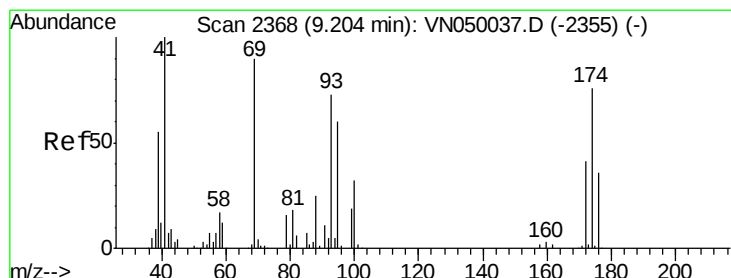
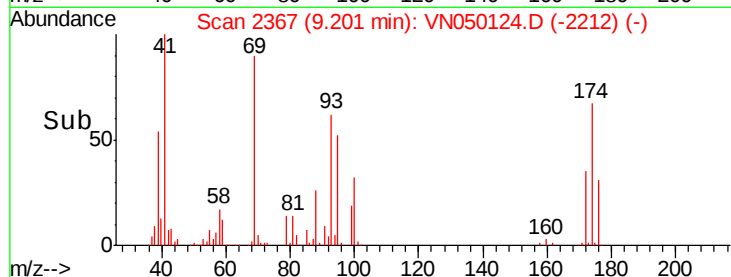
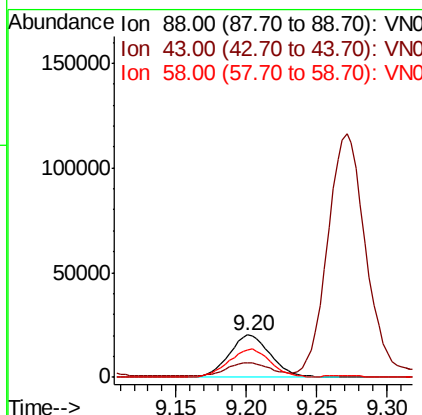
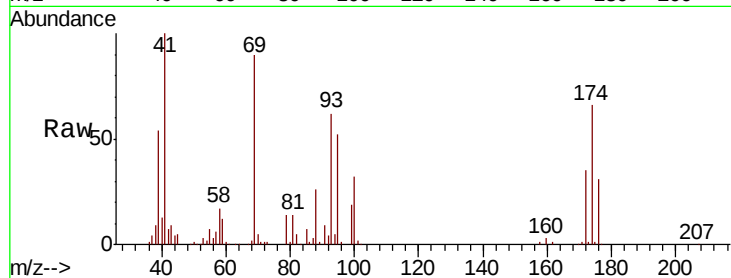
#45
1,4-Dioxane
Concen: 386.917 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.9	40.3
58	67.2	53.6	80.4

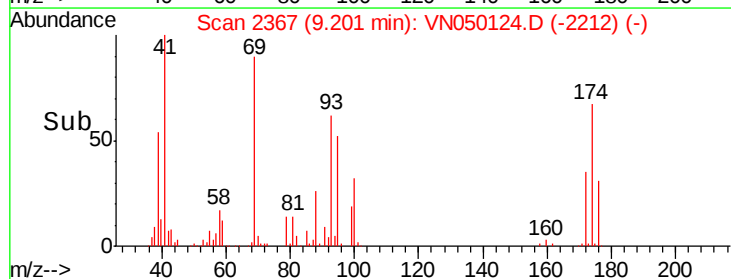
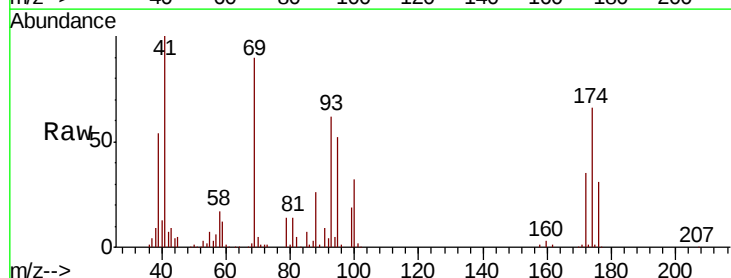
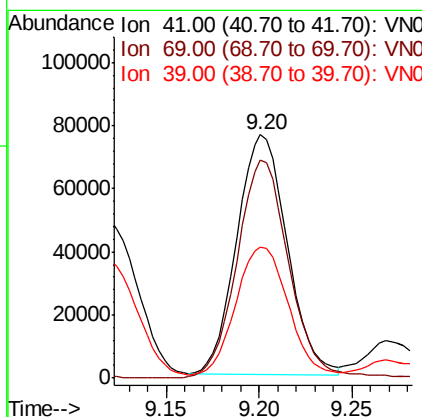
Manual Integrations
APPROVED

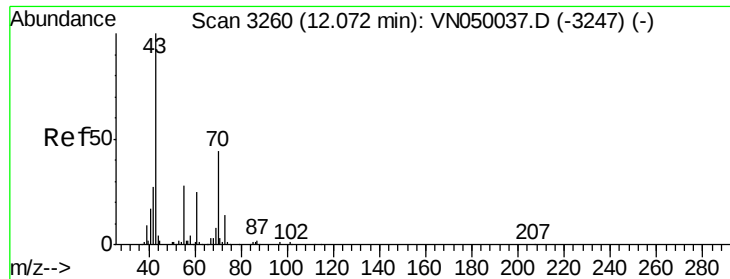
MMDadoda
7/30/2018 1:37:15 PM



#46
Methyl methacrylate
Concen: 17.987 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.6	44.0	132.1
39	53.5	27.0	80.8





#47

n-amvl Acetate

Concen: 18.141 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 232060

Ion Ratio Lower Upper

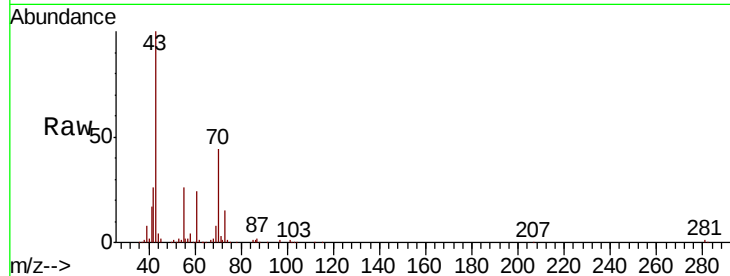
43 100

55 25.7 21.0 31.4

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

150000

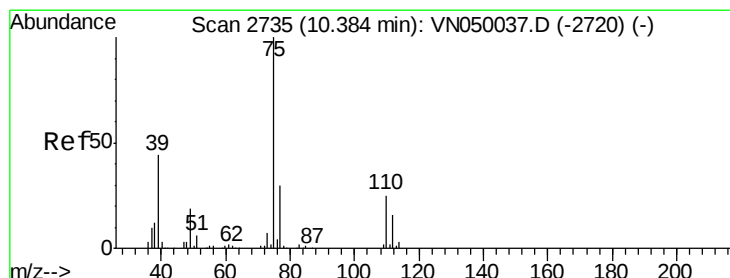
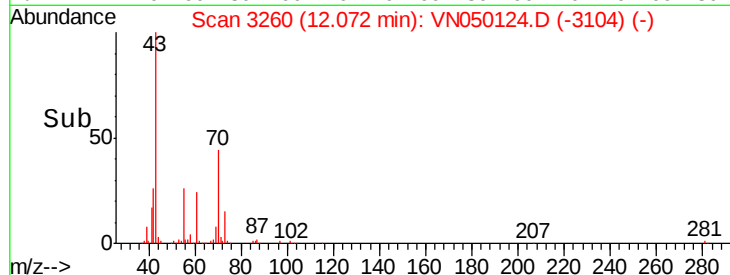
100000

50000

0

12.00 12.10

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.371 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050124.D

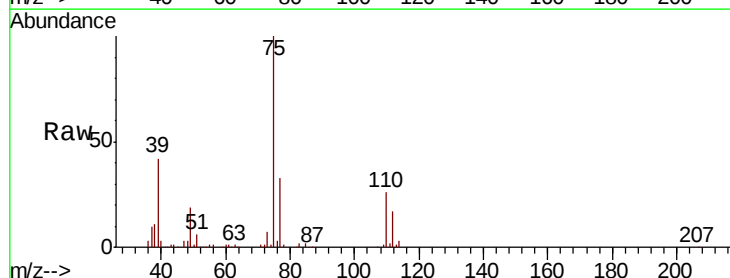
Acq: 27 Jul 2018 11:08

Tgt Ion: 75 Resp: 260804

Ion Ratio Lower Upper

75 100

77 32.9 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

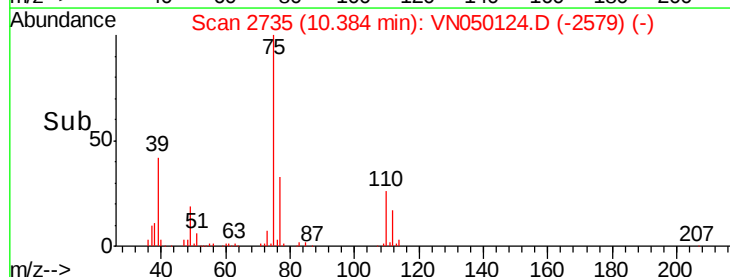
100000

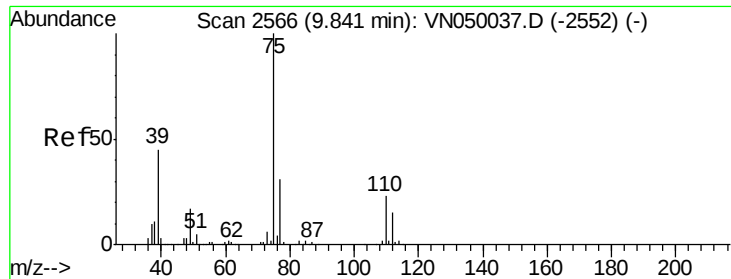
50000

0

10.30 10.40 10.50

Time-->





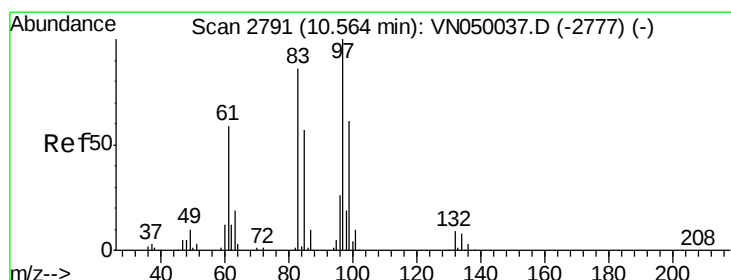
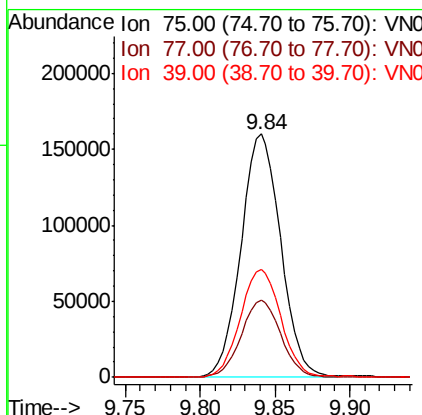
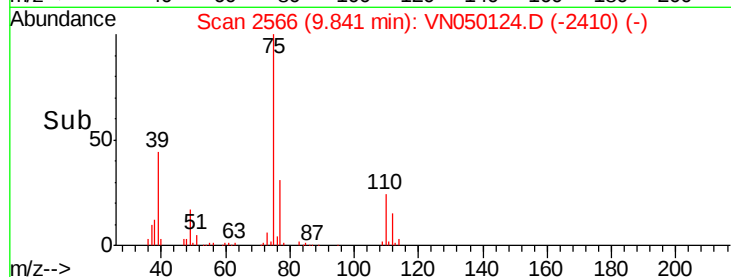
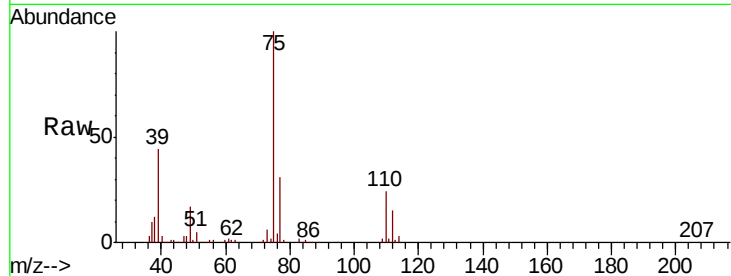
#49
 cis-1,3-Dichloropropene
 Concen: 18.693 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5
39	44.3	36.3	54.5

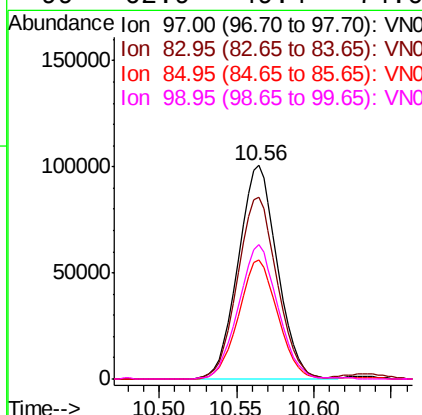
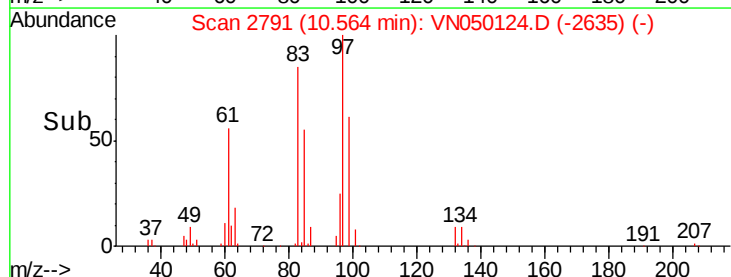
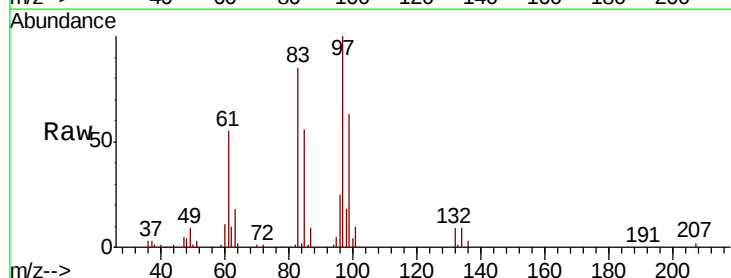
Manual Integrations
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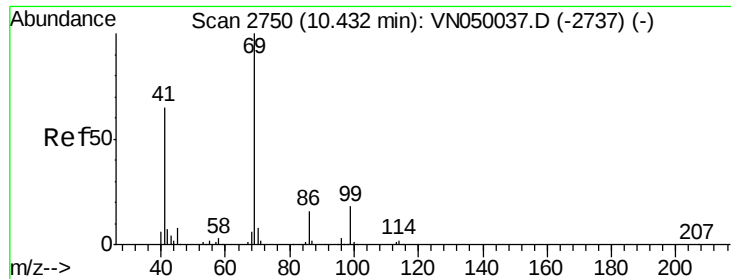
MMDadoda
 7/30/2018 1:37:15 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.390 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.1	102.1
85	55.6	45.4	68.2
99	62.9	49.4	74.0





#51

Ethyl methacrylate

Concen: 19.109 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

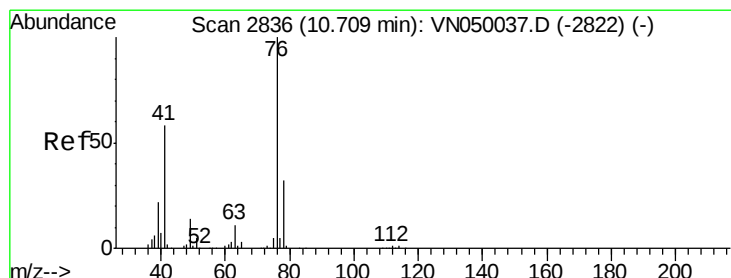
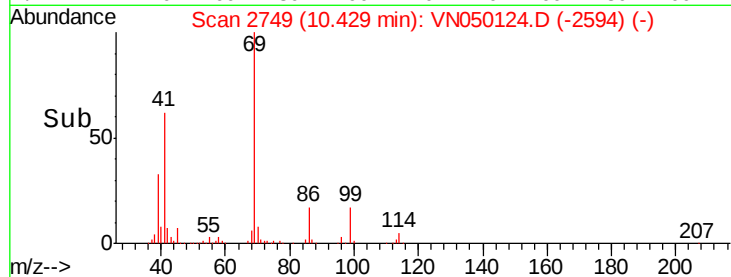
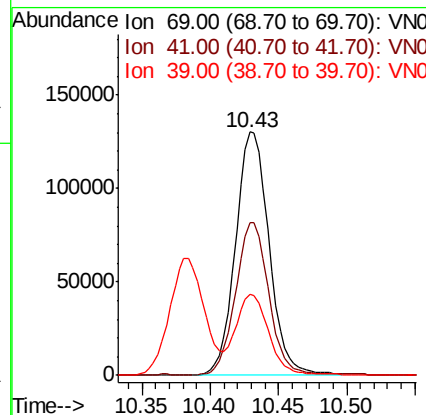
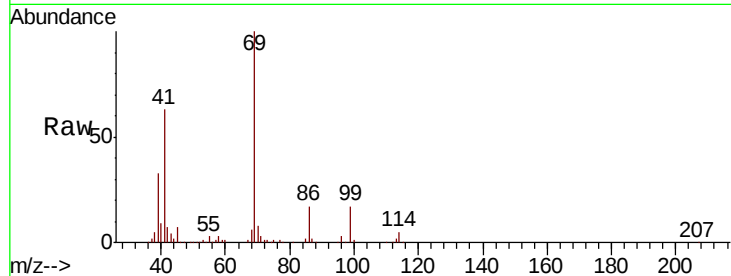
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	222938
Ion	Ratio	Lower	Upper
69	100		
41	62.2	31.9	95.9
39	32.7	16.7	50.1

Manual Integrations
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7/30/2018 1:37:15 PM



#52

1,3-Dichloropropane

Concen: 18.576 ug/l

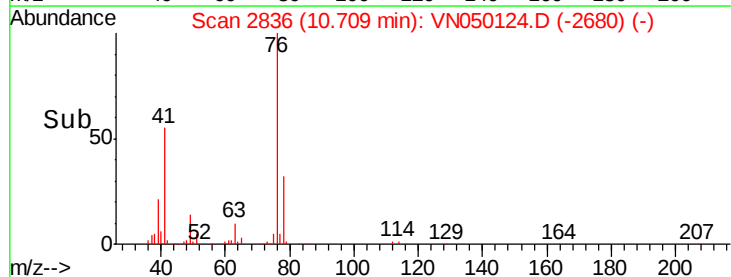
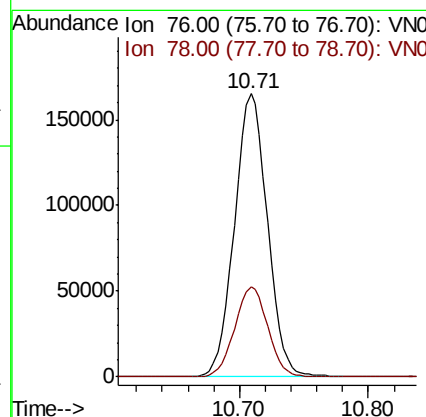
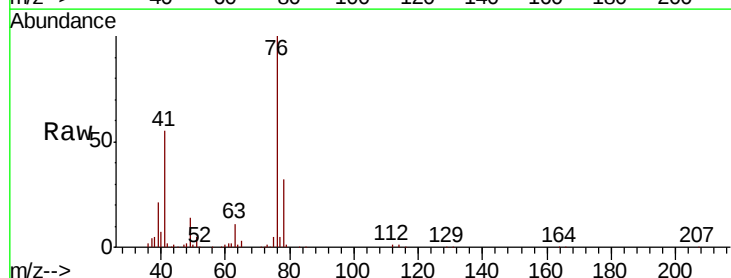
RT: 10.71 min Scan# 2836

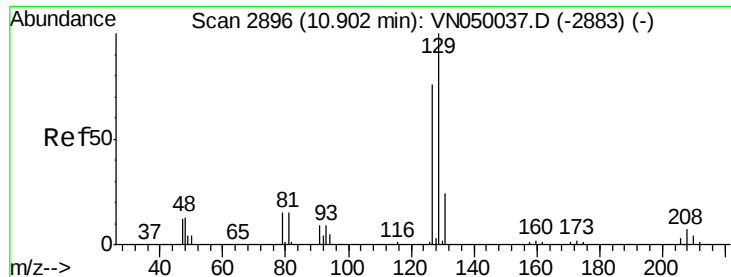
Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion:	76	Resp:	293213
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.6





#53

Dibromochloromethane

Concen: 18.117 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 197630

Ion Ratio Lower Upper

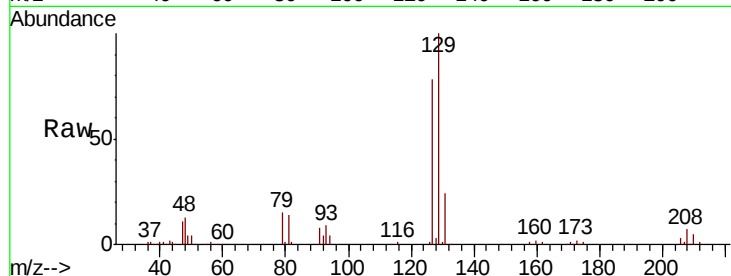
129 100

127 77.5 38.1 114.5

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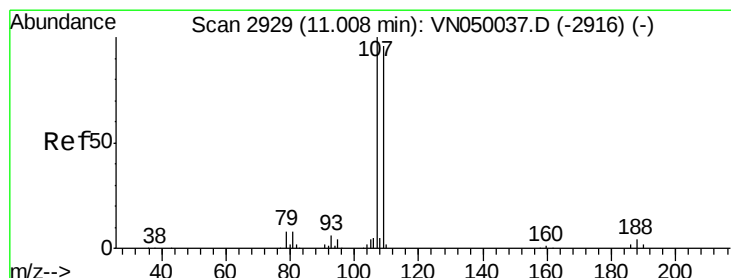
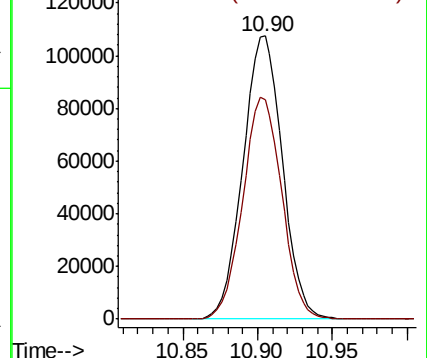
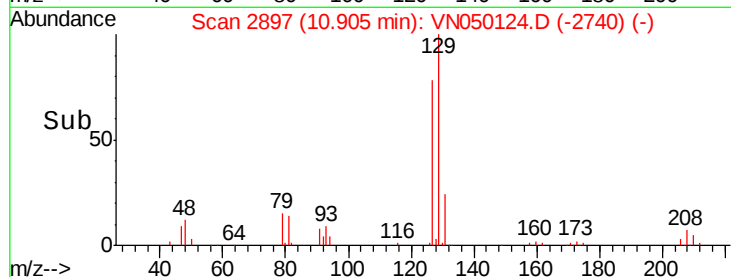
MMDadoda

7/30/2018 1:37:15 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.668 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050124.D

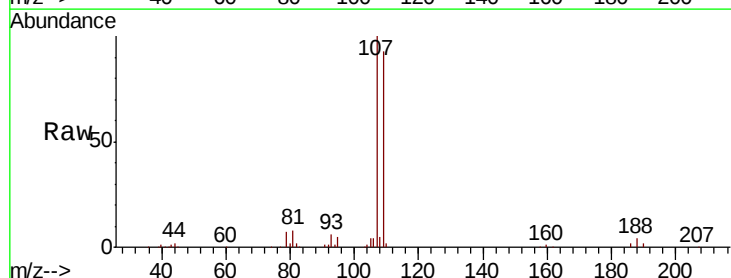
Acq: 27 Jul 2018 11:08

Tgt Ion:107 Resp: 175733

Ion Ratio Lower Upper

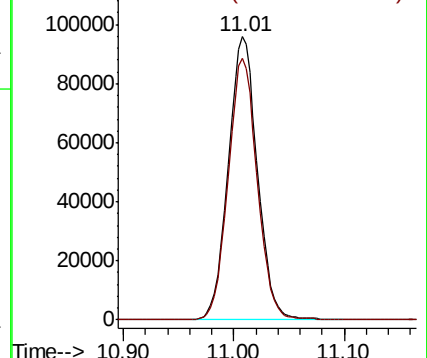
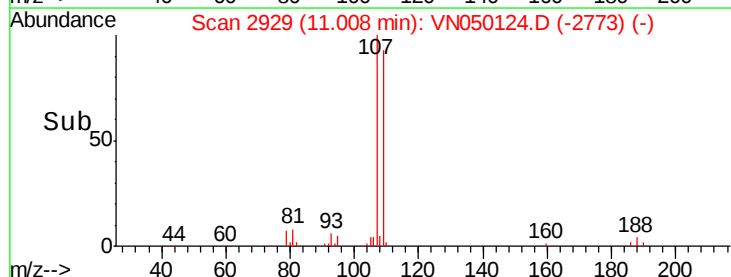
107 100

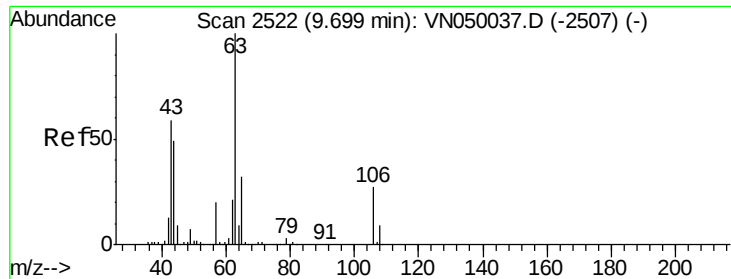
109 91.9 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





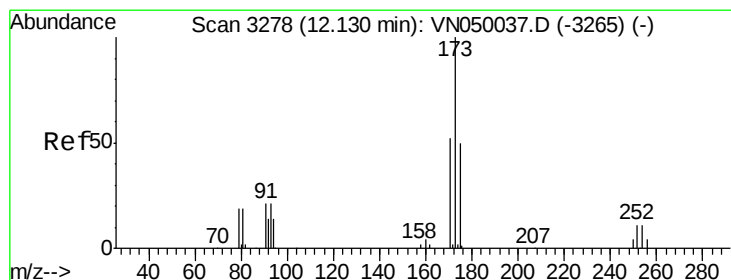
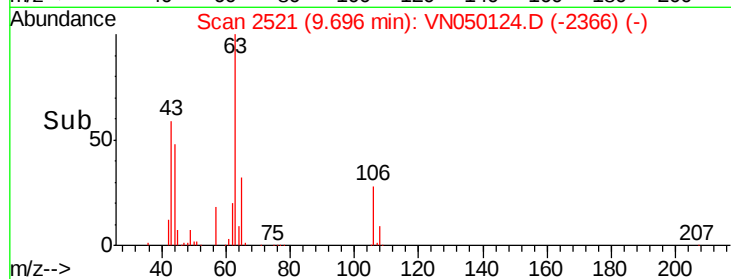
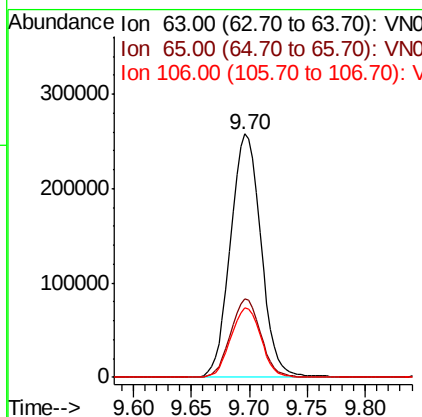
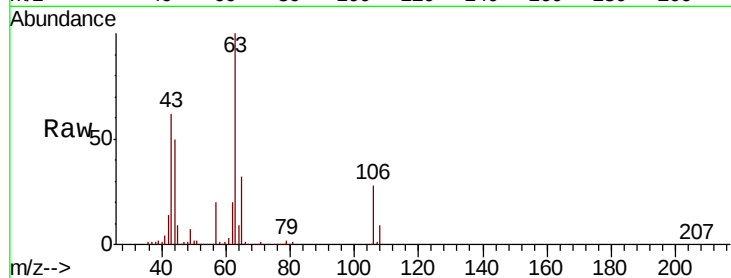
#55
2-Chloroethyl vinyl ether
Concen: 88.941 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3
106	28.3	21.8	32.6

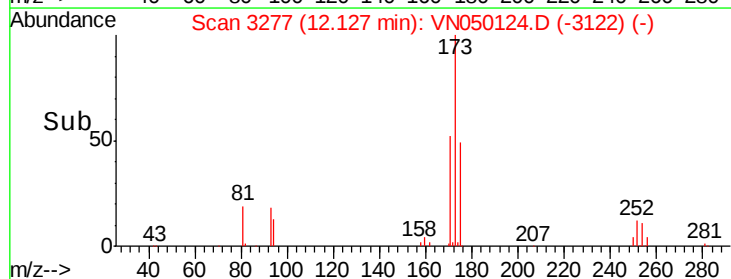
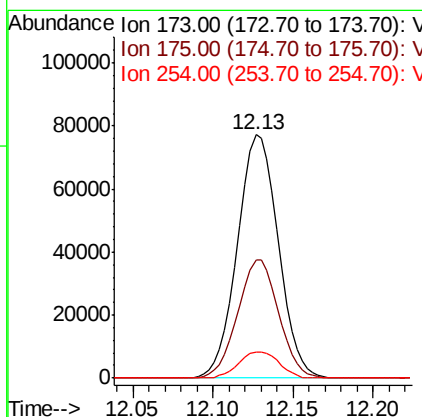
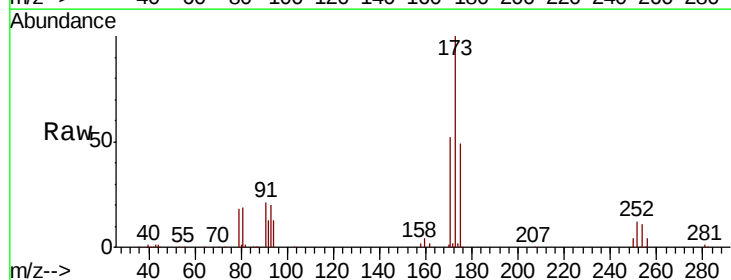
Manual Integrations
APPROVED

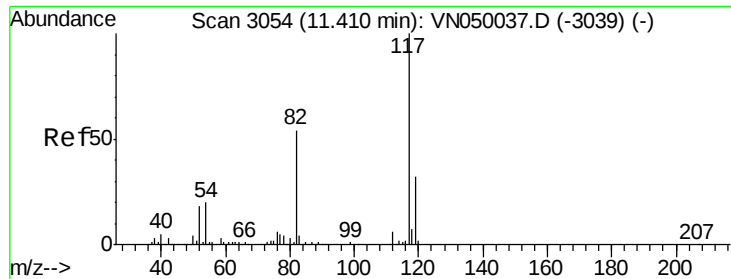
MMDadoda
7/30/2018 1:37:15 PM



#56
Bromoform
Concen: 17.448 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	57.8
254	10.6	8.8	13.2





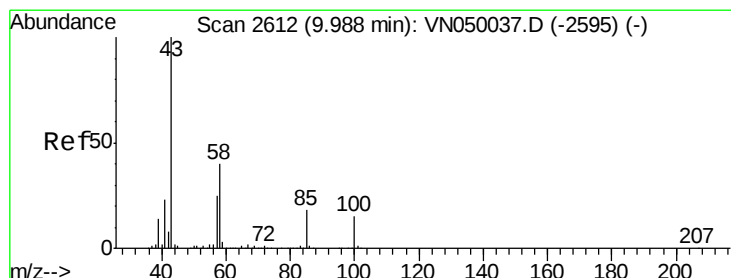
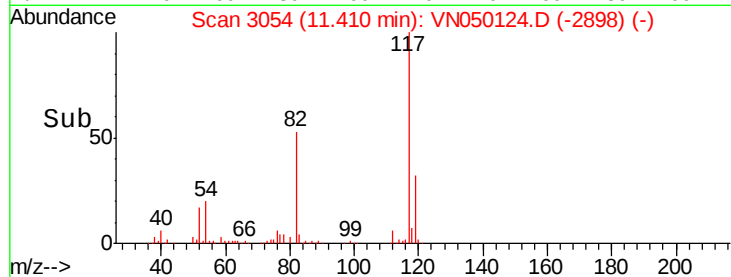
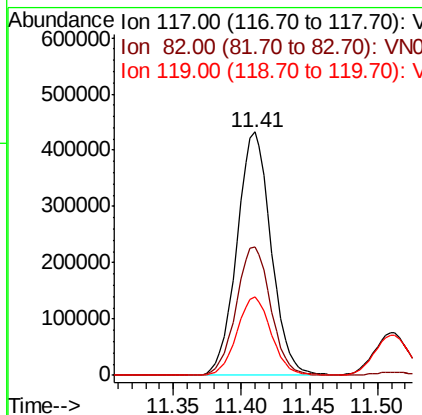
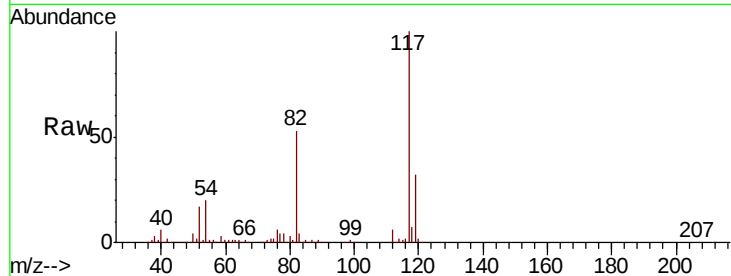
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	32.4	25.4	38.0

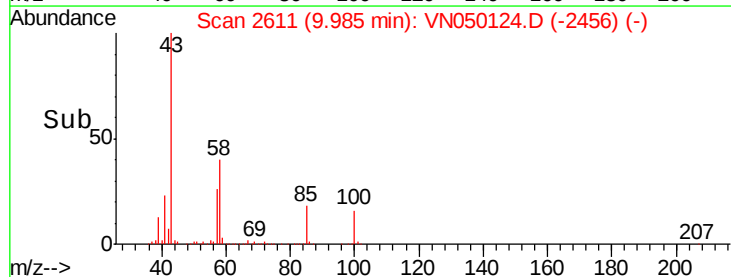
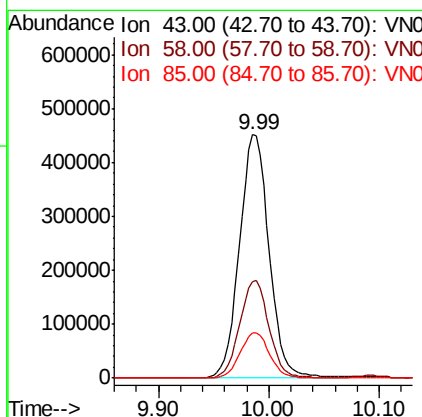
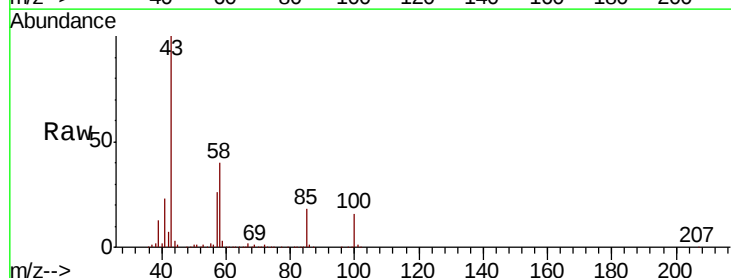
Manual Integrations
APPROVED

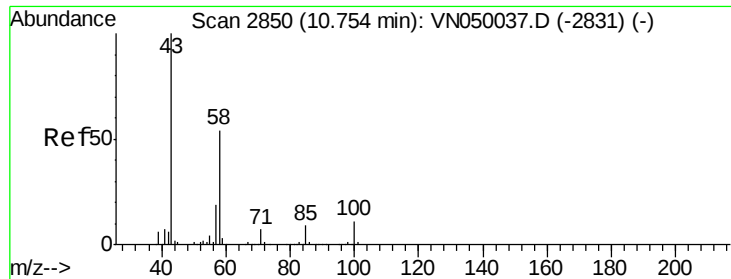
MMDadoda
7/30/2018 1:37:15 PM



#58
4-Methyl-2-Pentanone
Concen: 95.393 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.2	46.8
85	18.8	14.4	21.6





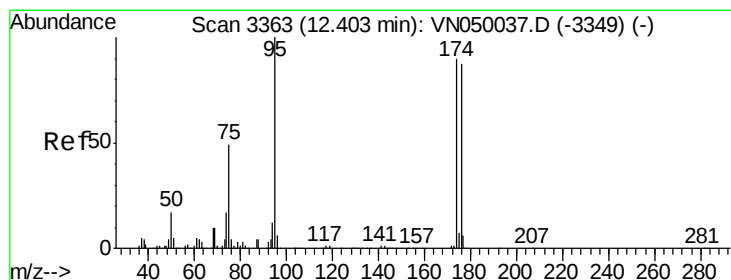
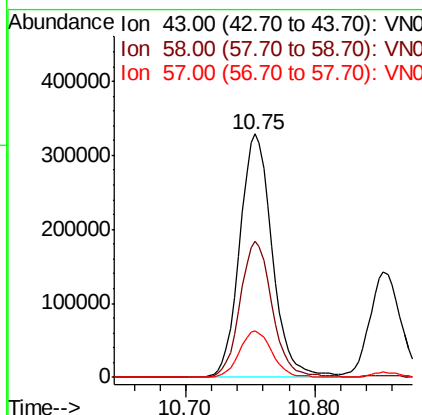
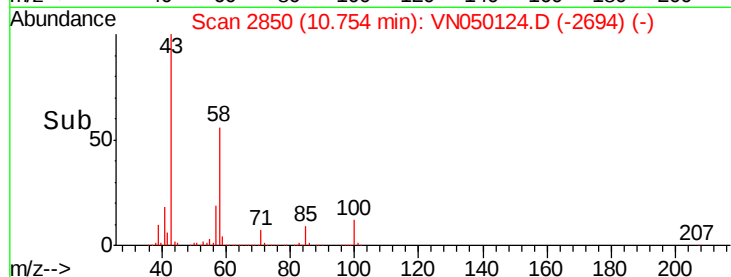
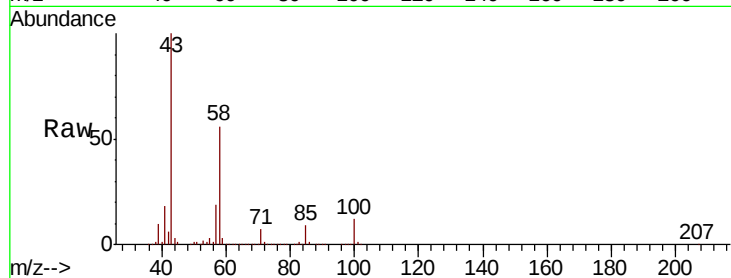
#59
2-Hexanone
Concen: 96.002 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.8	65.8
57	19.2	15.1	22.7

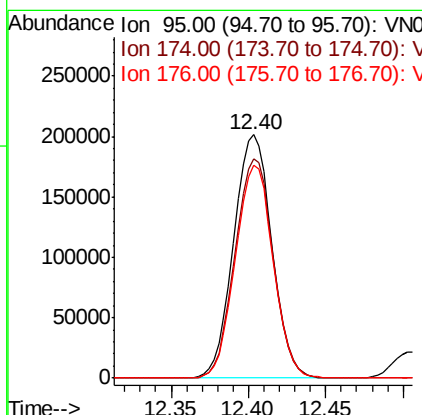
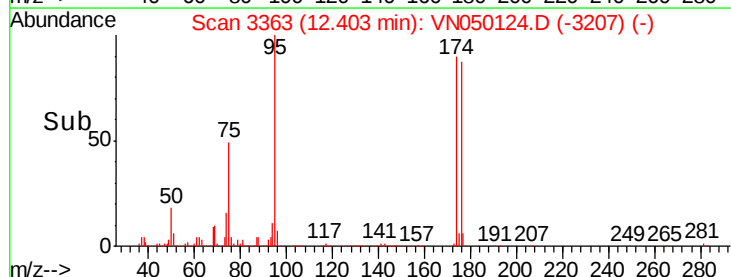
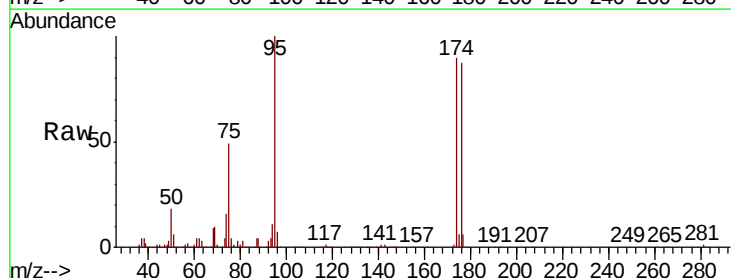
Manual Integrations
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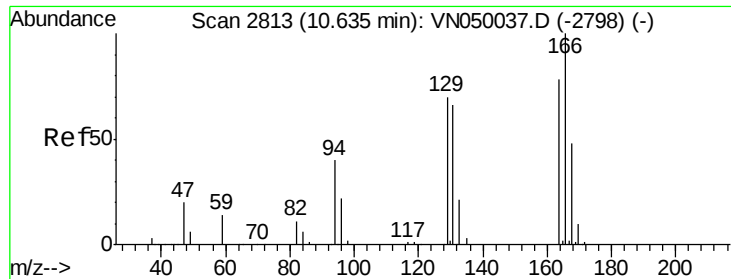
MMDadoda
7/30/2018 1:37:15 PM



#60
4-Bromofluorobenzene
Concen: 29.947 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	72.3	108.5
176	86.5	70.0	105.0





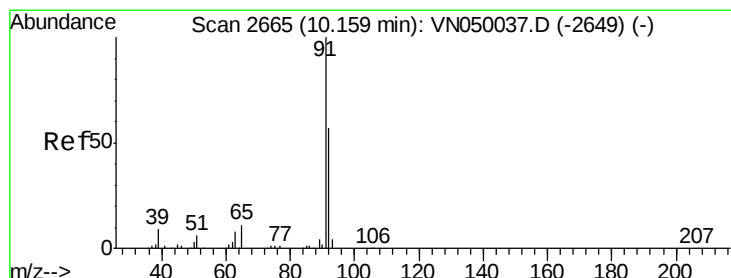
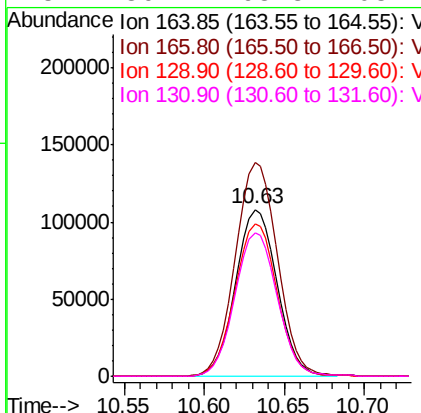
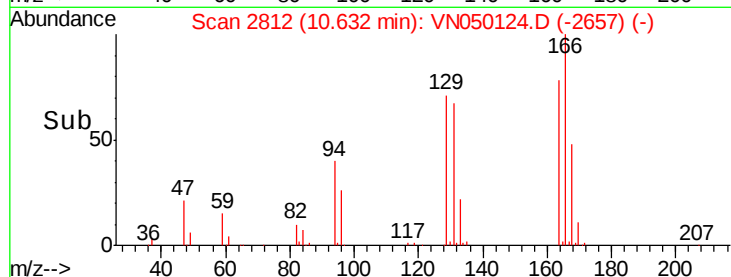
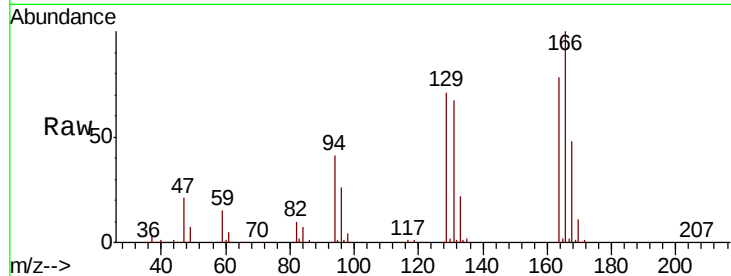
#61
Tetrachloroethene
Concen: 18.800 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.9	191610	100.0	150.0
129	91.2		69.3	103.9
131	86.1		68.8	103.2

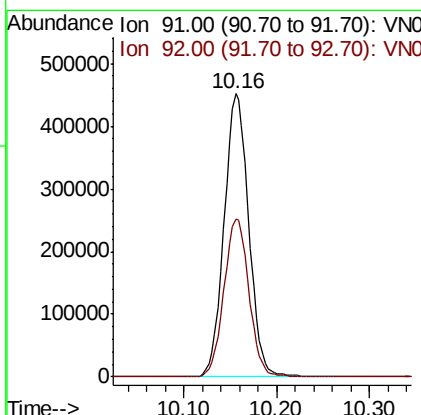
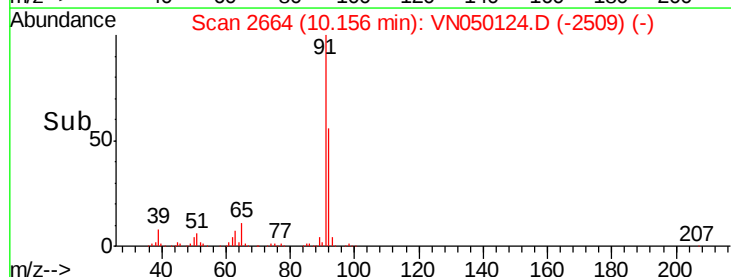
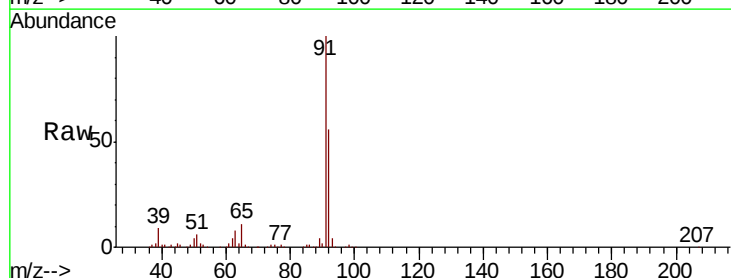
Manual Integrations
APPROVED

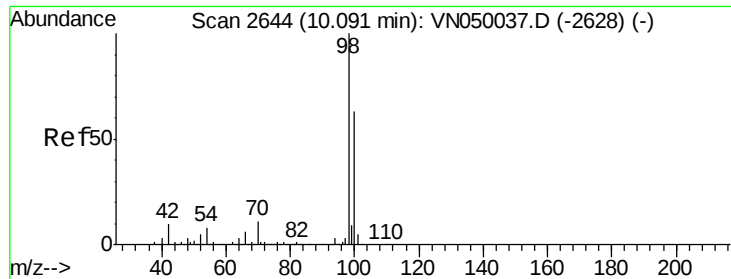
MMDadoda
7/30/2018 1:37:15 PM



#62
Toluene
Concen: 19.382 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	832071		
92	56.9		45.7	68.5





#63

Toluene-d8

Concen: 29.265 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 1051791

Ion Ratio Lower Upper

98 100

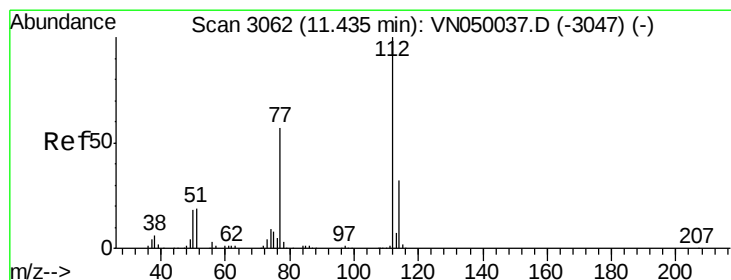
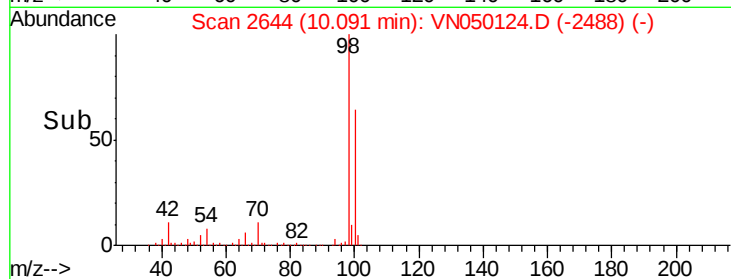
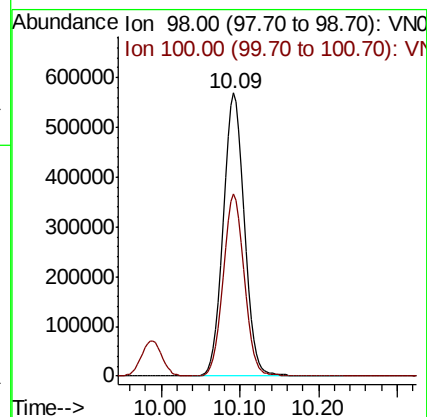
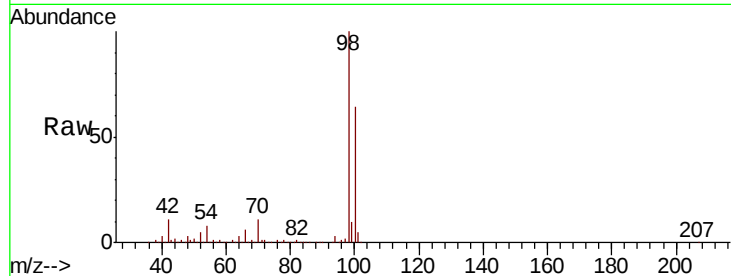
100 64.2 51.2 76.8

Manual Integrations

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#64

Chlorobenzene

Concen: 19.528 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050124.D

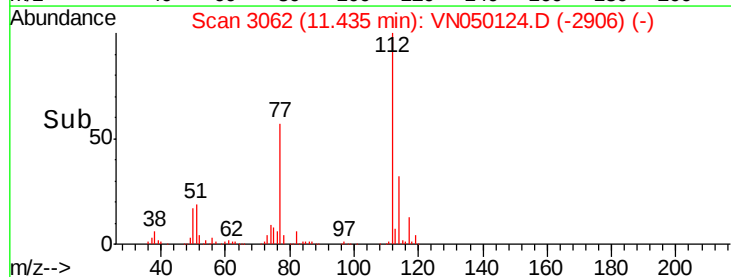
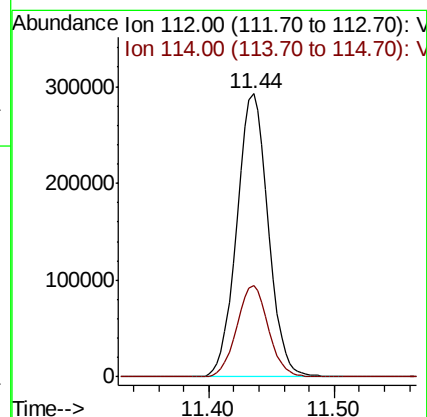
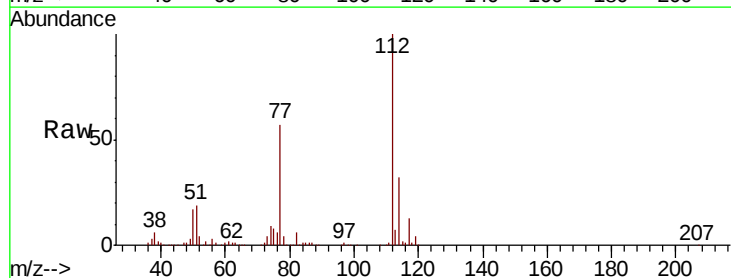
Acq: 27 Jul 2018 11:08

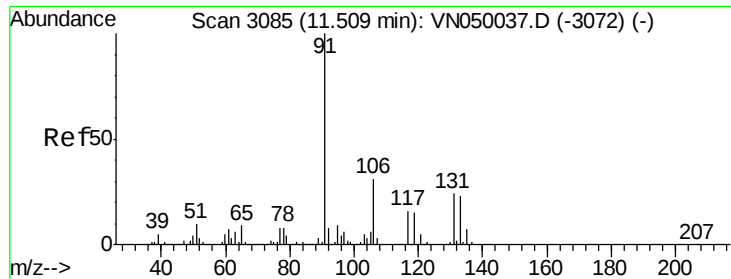
Tgt Ion: 112 Resp: 508369

Ion Ratio Lower Upper

112 100

114 32.1 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.352 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

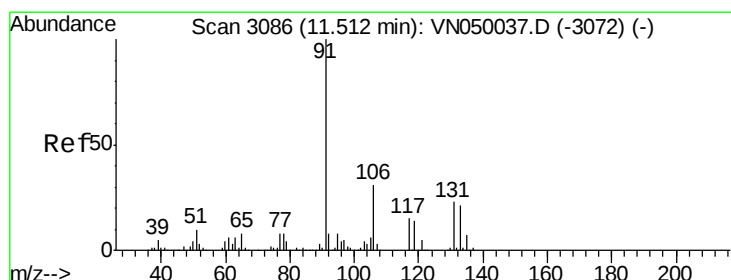
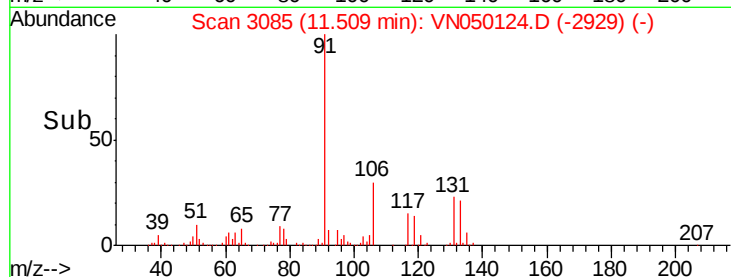
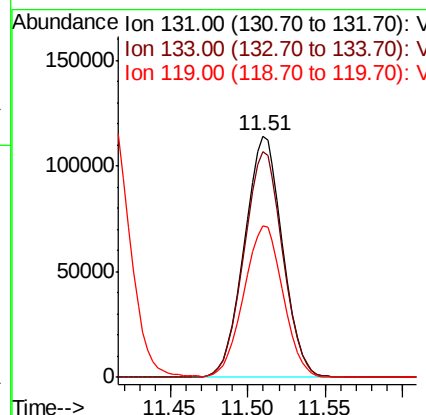
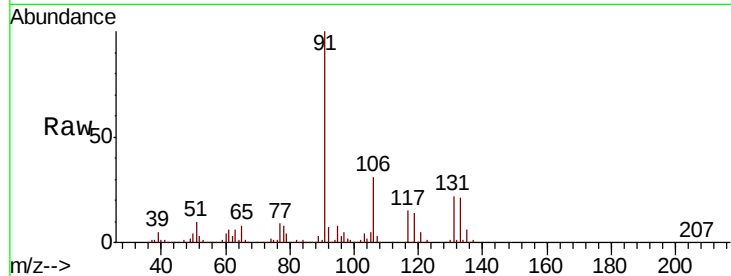
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	196499
Ion Ratio	Lower	Upper	
131	100		
133	95.2	0.0	190.0
119	64.3	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.021 ug/l

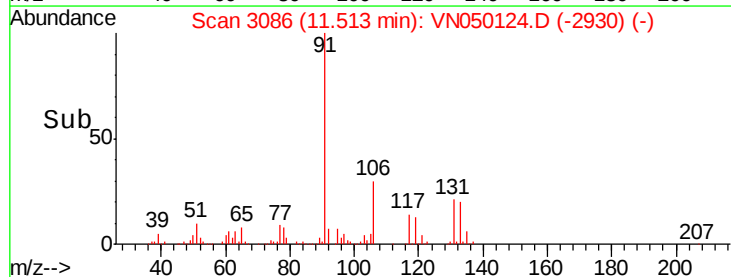
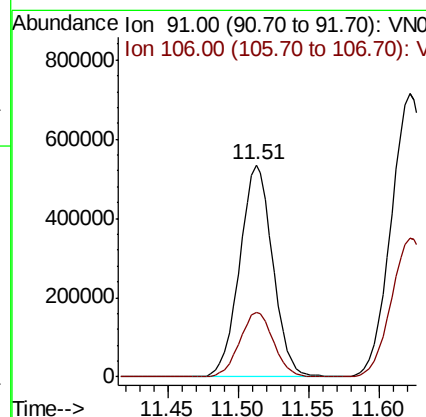
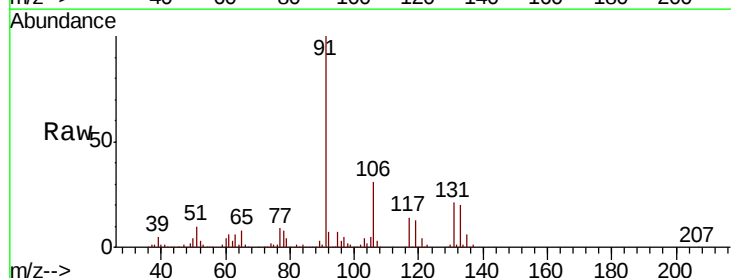
RT: 11.51 min Scan# 3086

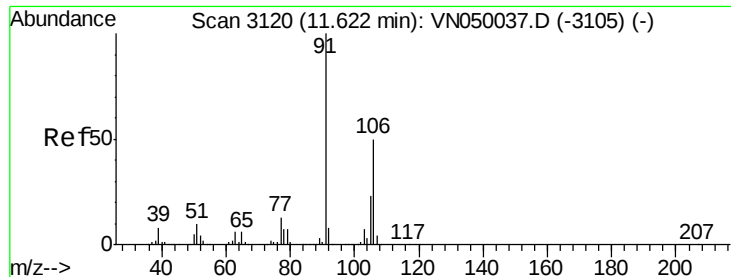
Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion:	91	Resp:	878373
Ion Ratio	Lower	Upper	
91	100		
106	30.7	25.1	37.7





#67

m/p-Xvlenes

Concen: 39.946 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 674423

Ion Ratio Lower Upper

106 100

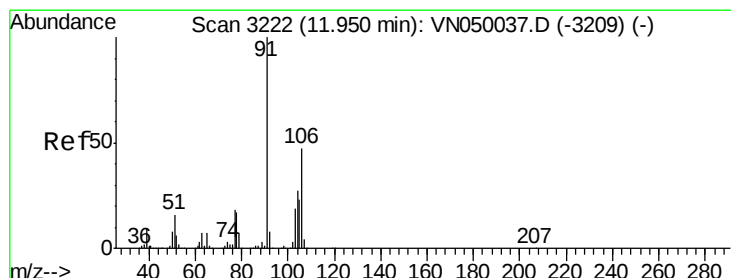
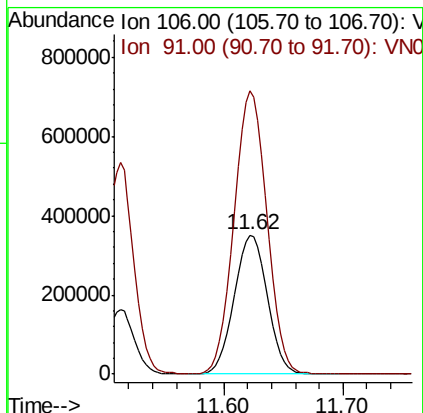
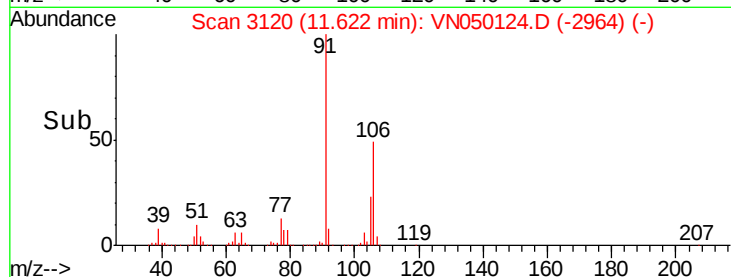
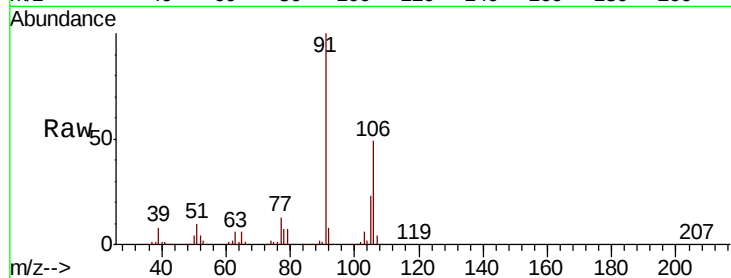
91 202.6 162.5 243.7

Manual Integrations

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#68

o-Xylene

Concen: 20.319 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050124.D

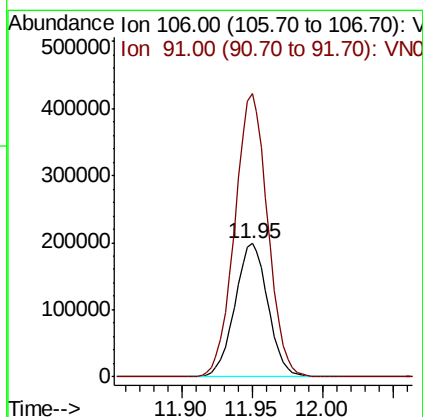
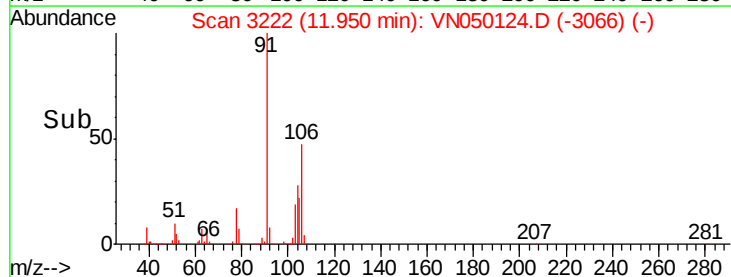
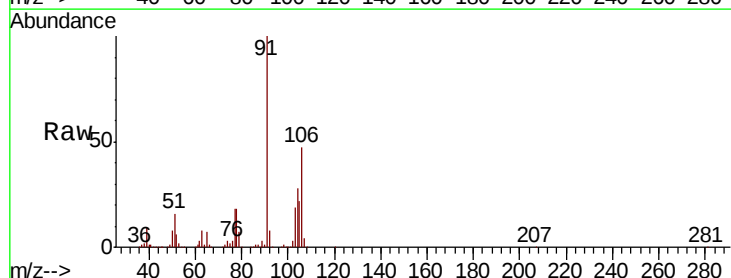
Acq: 27 Jul 2018 11:08

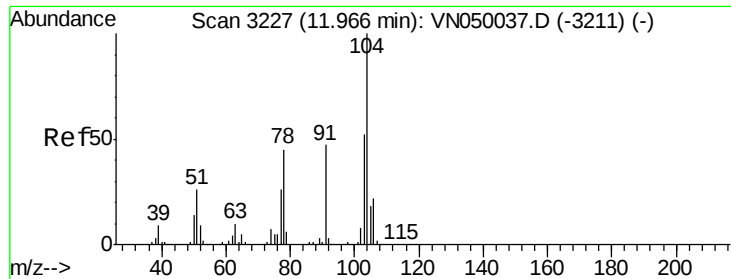
Tgt Ion:106 Resp: 326395

Ion Ratio Lower Upper

106 100

91 211.9 106.8 320.4





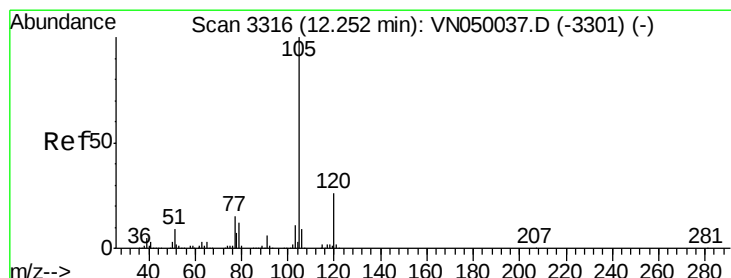
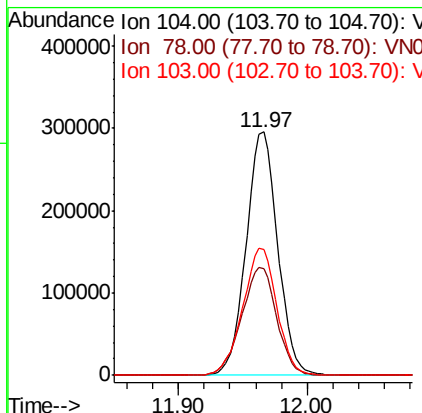
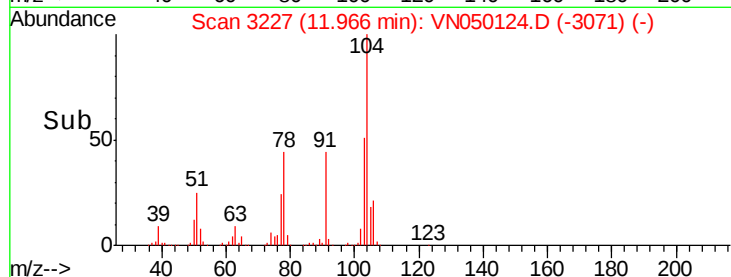
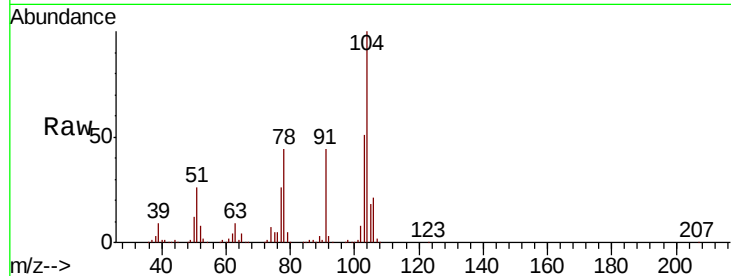
#69
Stvrene
Concen: 19.615 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.3	58.9
103	56.3	44.5	66.7

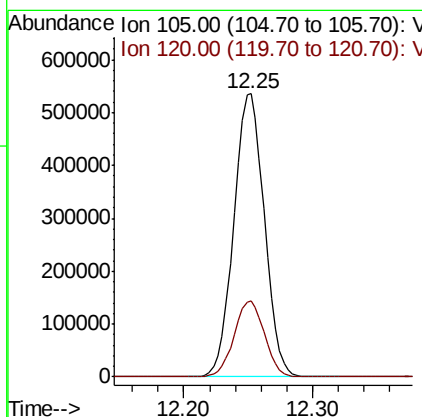
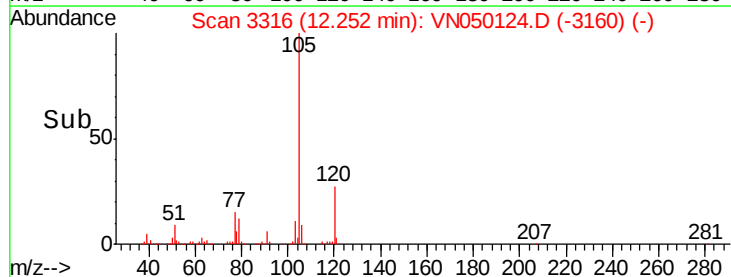
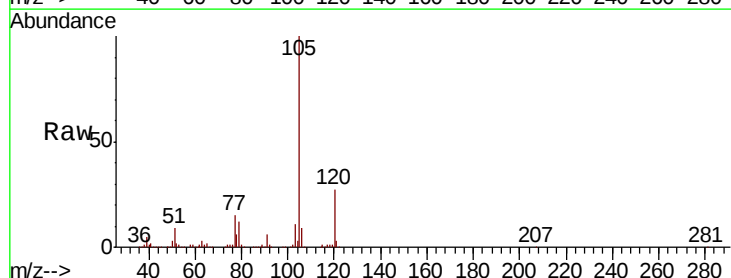
Manual Integrations
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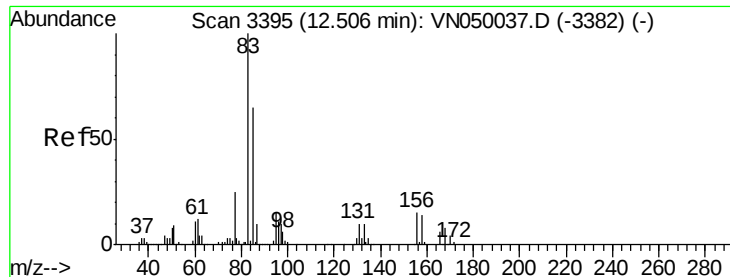
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#70
Isopropylbenzene
Concen: 20.563 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.9	35.1





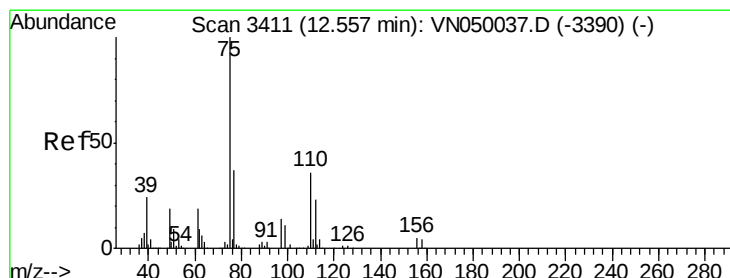
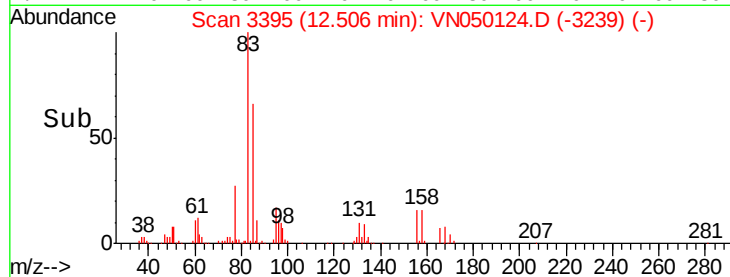
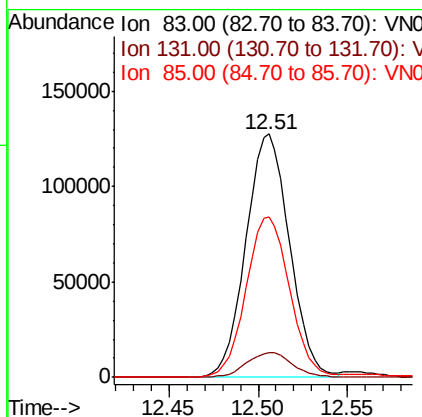
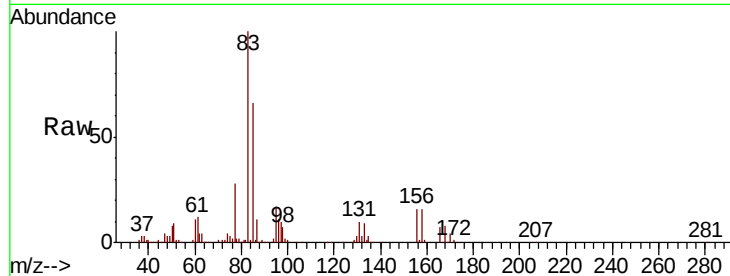
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.605 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.2	15.6
85	65.7	31.7	95.1

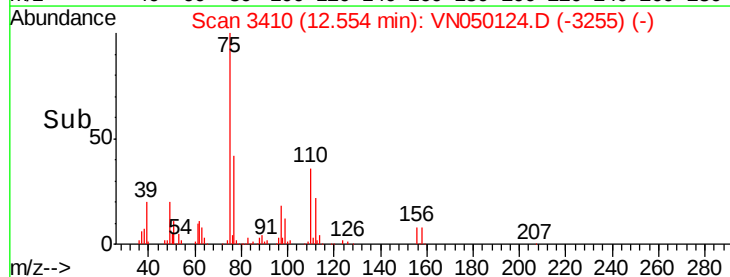
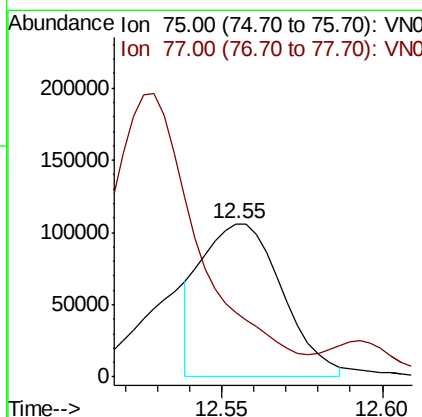
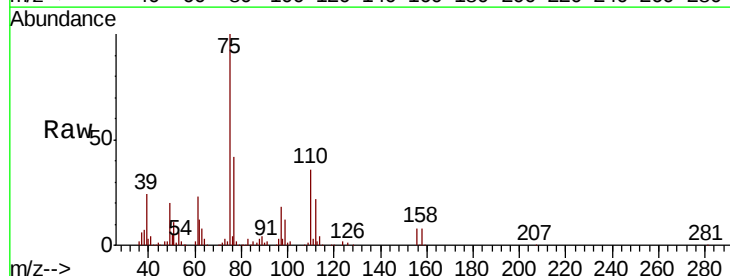
Manual Integrations
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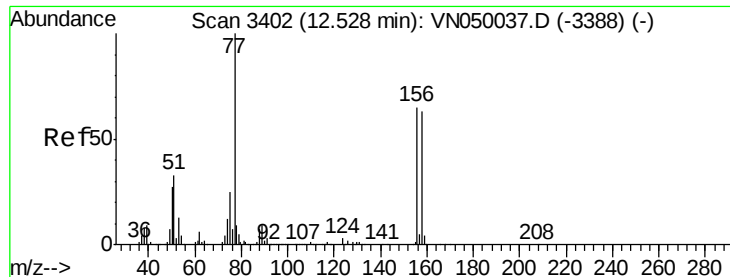
MMDadoda
 7/30/2018 1:37:15 PM



#72
 1,2,3-Trichloropropane
 Concen: 18.571 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	210.9	0.0	454.4





#73

Bromobenzene

Concen: 19.297 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

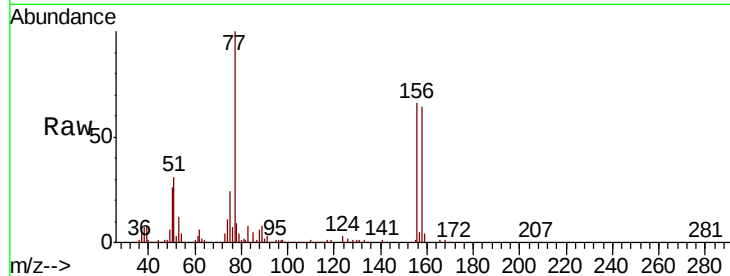
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	219918
Ion Ratio	Lower	Upper	
156	100		
77	178.7	0.0	359.8
158	97.0	0.0	192.8

Manual Integrations
APPROVED

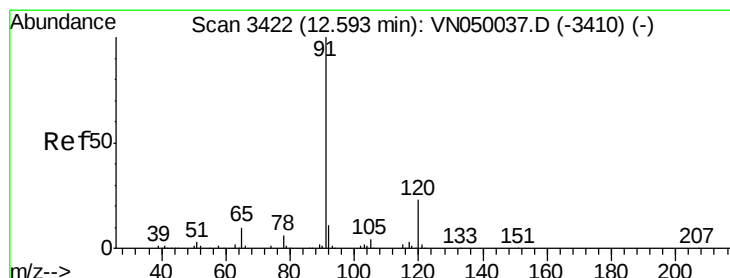
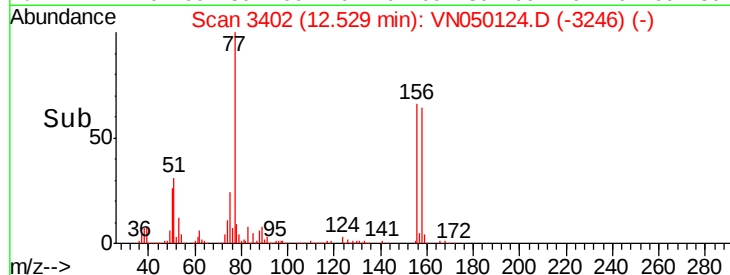
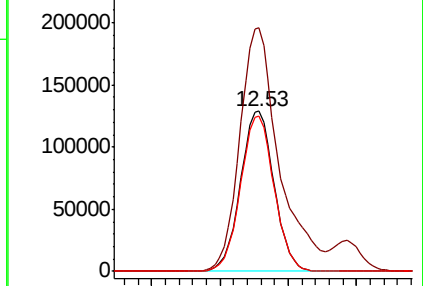
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.932 ug/l

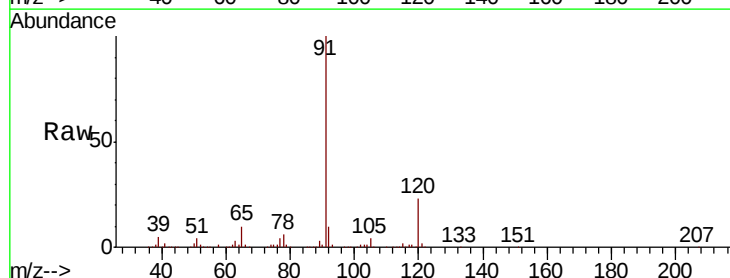
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050124.D

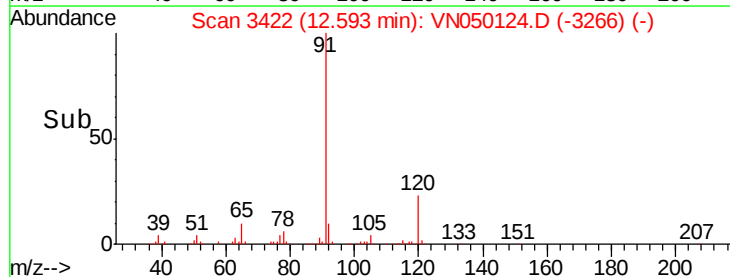
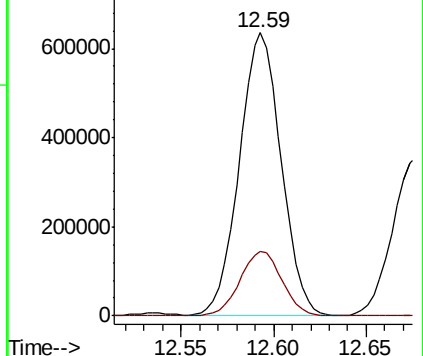
Acq: 27 Jul 2018 11:08

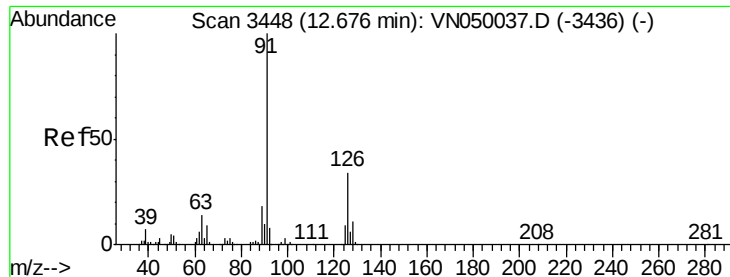
Tgt Ion:	91	Resp:	993135
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.691 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 589284

Ion Ratio Lower Upper

91 100

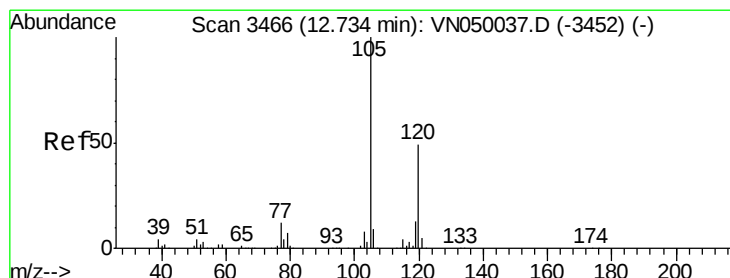
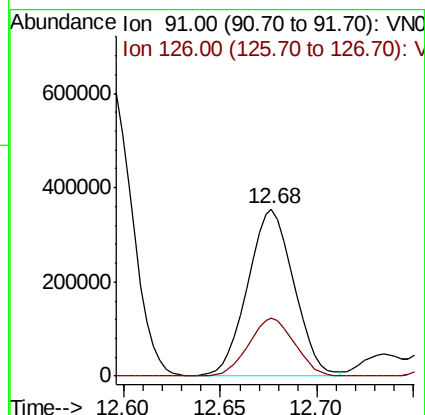
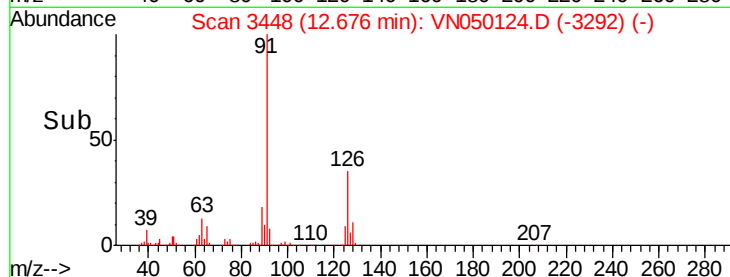
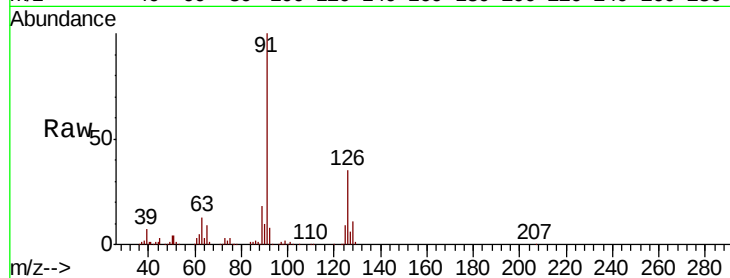
126 34.6 0.0 68.6

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#76

1,3,5-Trimethylbenzene

Concen: 20.432 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050124.D

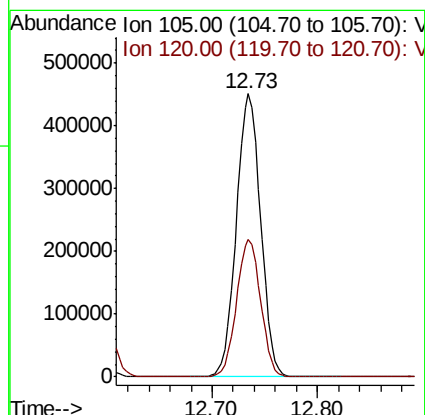
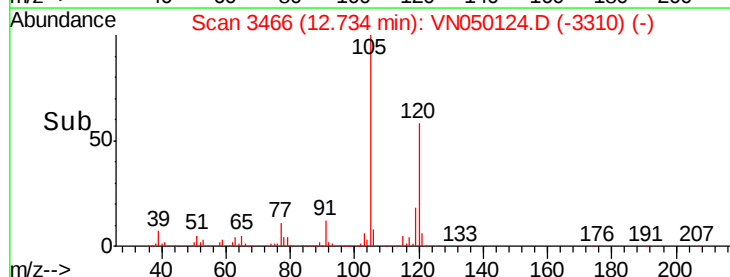
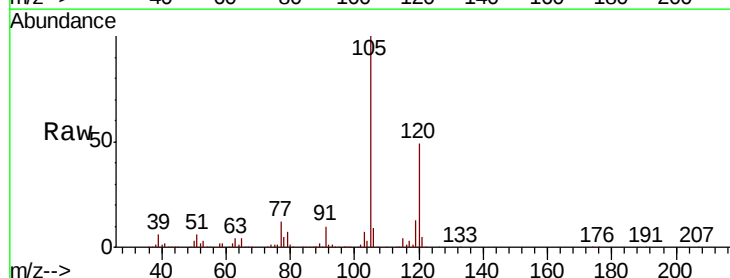
Acq: 27 Jul 2018 11:08

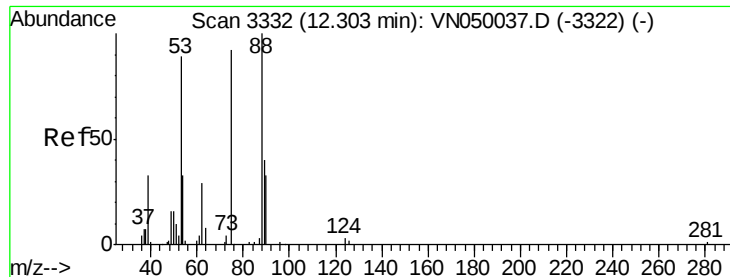
Tgt Ion: 105 Resp: 717969

Ion Ratio Lower Upper

105 100

120 48.1 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 16.717 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

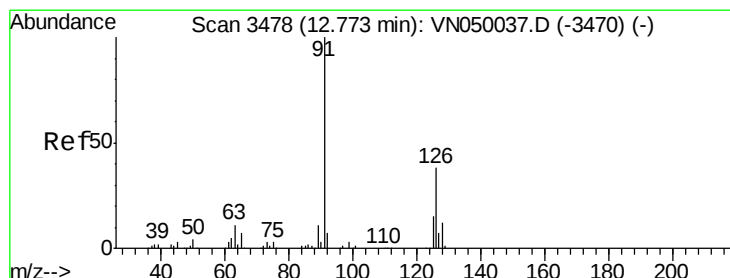
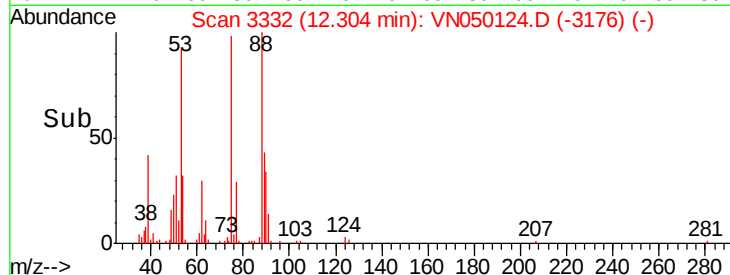
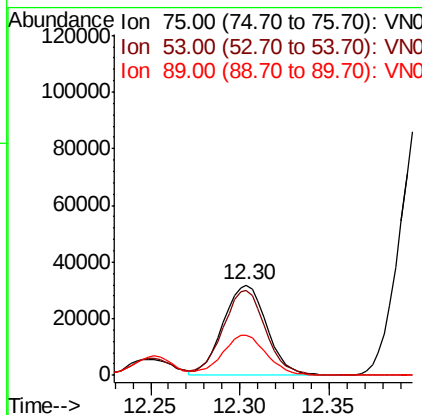
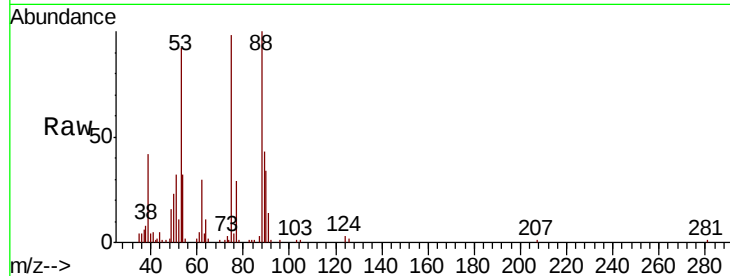
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	54830
Ion	Ratio	Lower	Upper
75	100		
53	94.4	44.6	134.0
89	44.8	20.7	62.1

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#78

4-Chlorotoluene

Concen: 19.488 ug/l

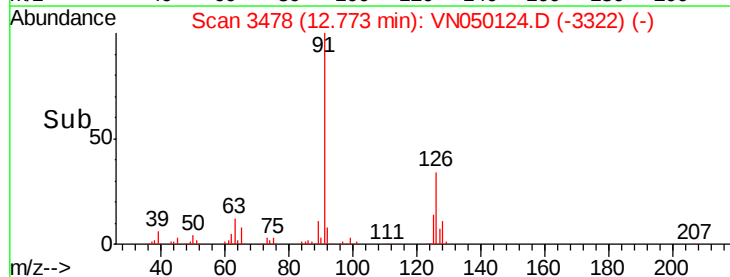
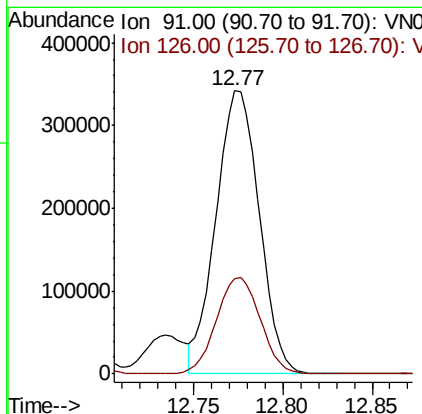
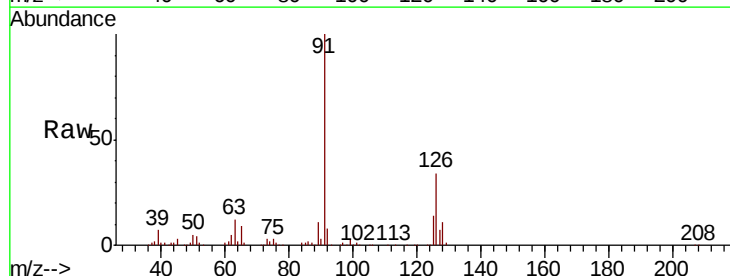
RT: 12.77 min Scan# 3478

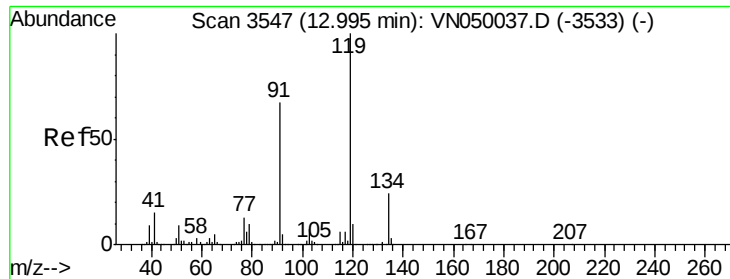
Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion:	91	Resp:	577951
Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.4





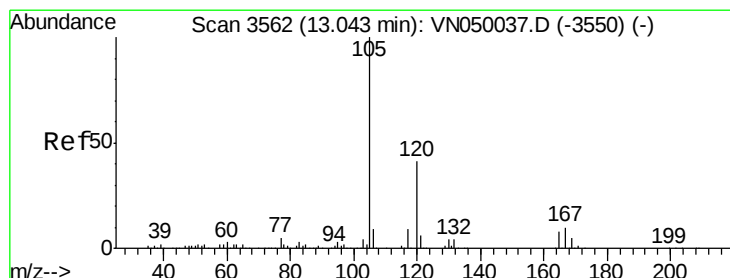
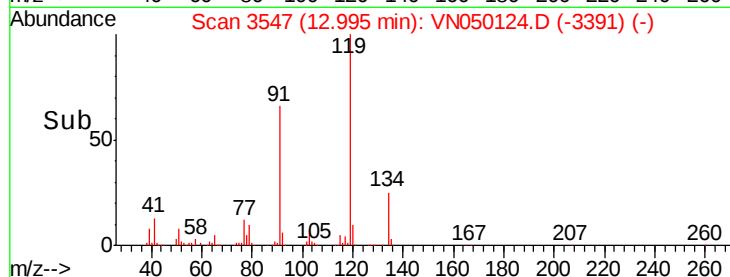
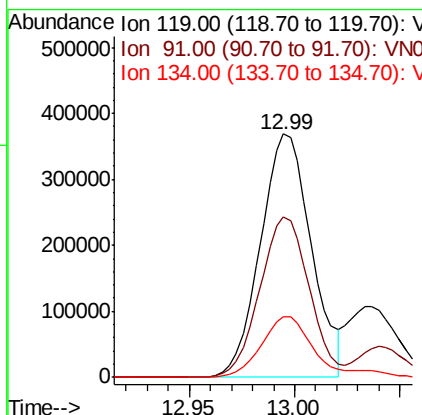
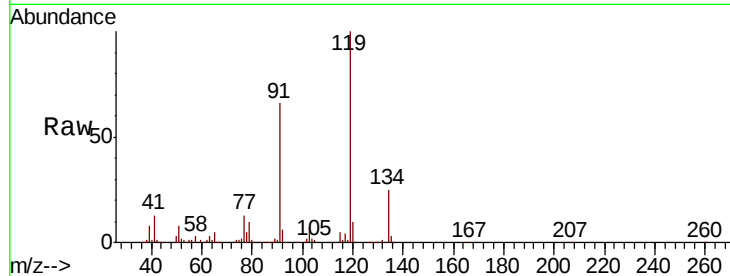
#79
tert-butylbenzene
Concen: 20.602 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	618915		
91	64.4	0.0	126.8	
134	24.3	0.0	47.4	

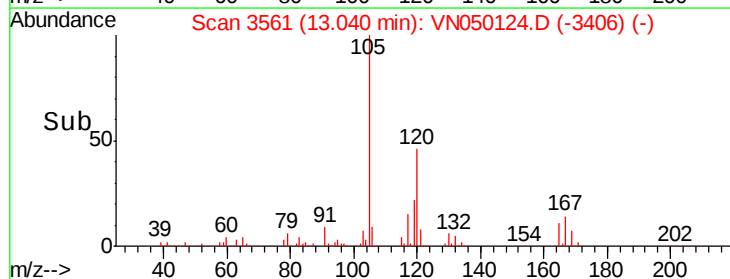
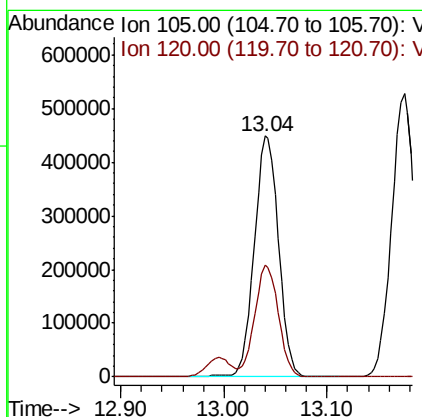
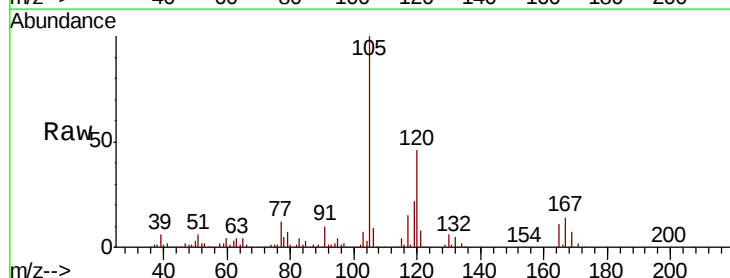
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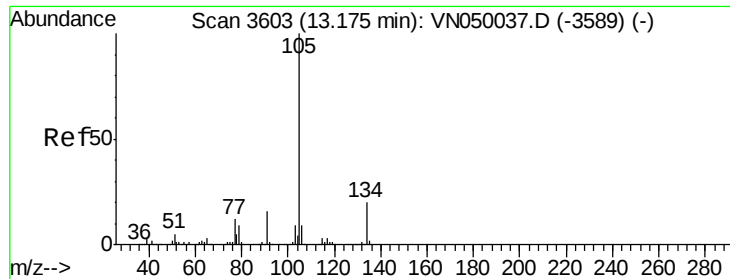
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#80
1,2,4-Trimethylbenzene
Concen: 20.449 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	728030		
120	45.3	0.0	90.6	





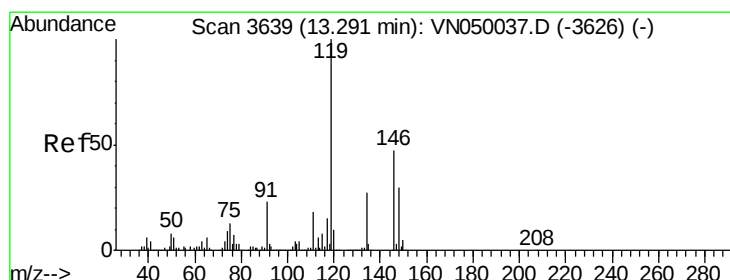
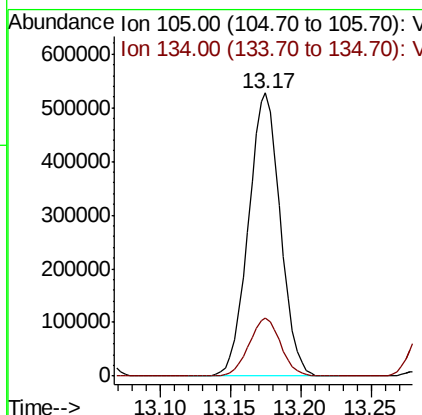
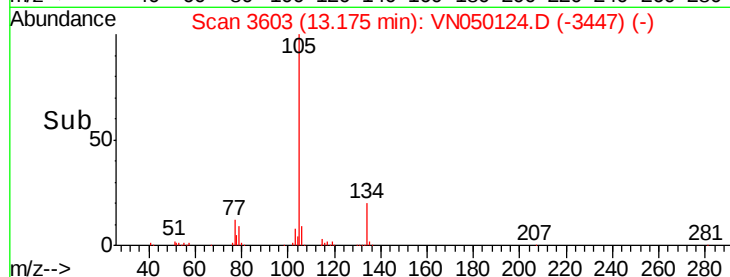
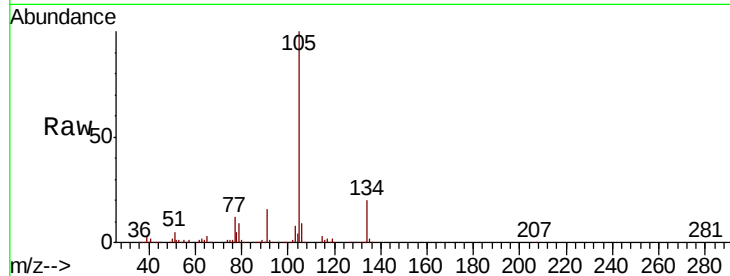
#81
 sec-Butylbenzene
 Concen: 20.403 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.6

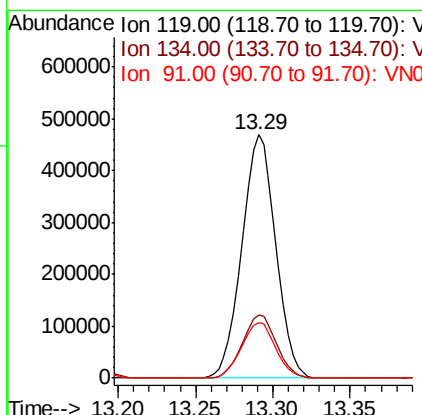
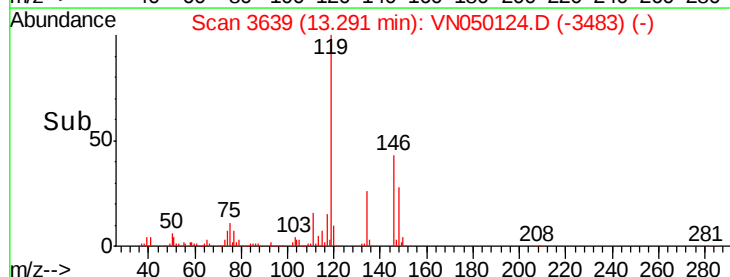
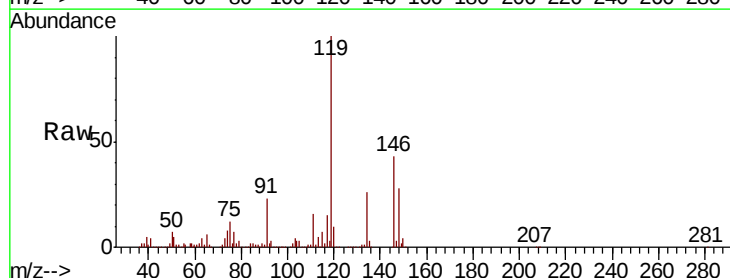
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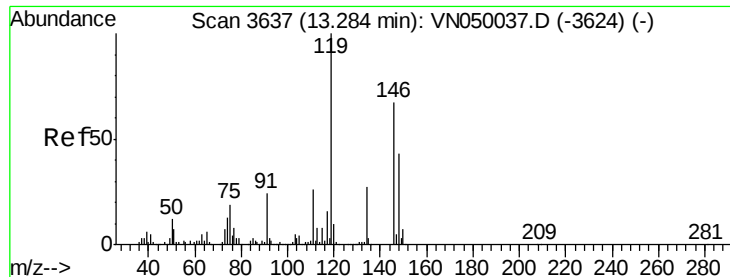
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#82
 p-Isopropyltoluene
 Concen: 20.457 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	52.2
91	23.1	0.0	45.6





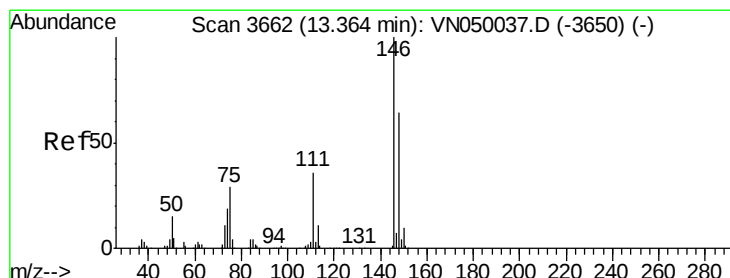
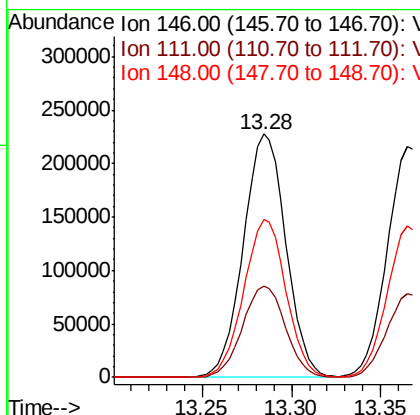
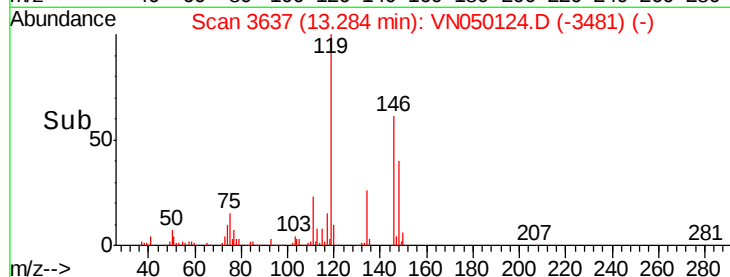
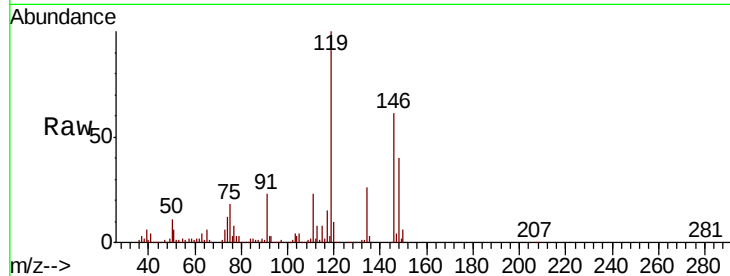
#83
 1,3-Dichlorobenzene
 Concen: 19.103 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.4	31.9	95.9

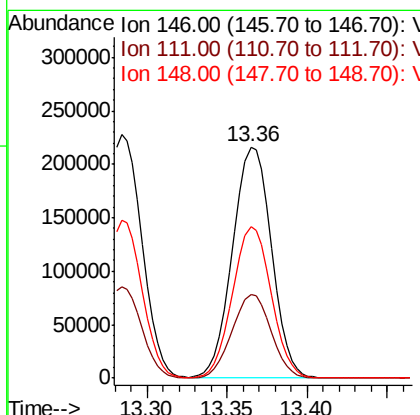
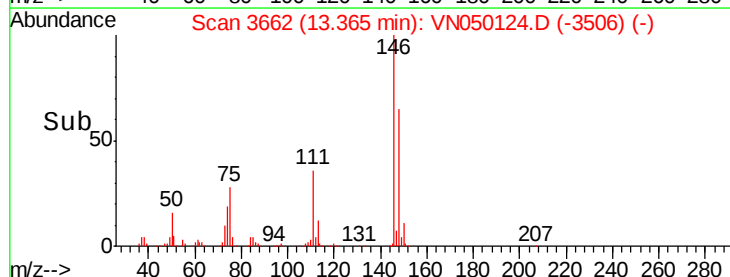
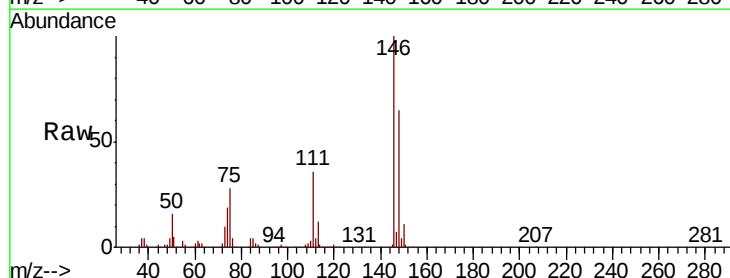
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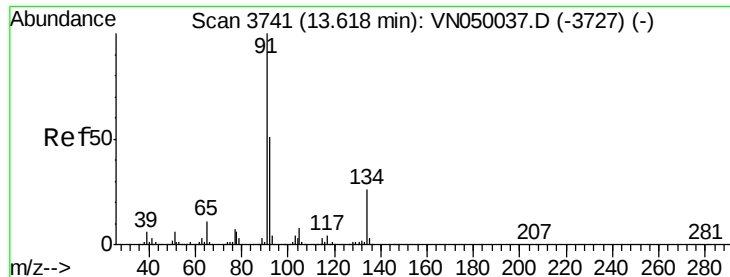
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#84
 1,4-Dichlorobenzene
 Concen: 19.092 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.9	53.8
148	65.2	32.4	97.0





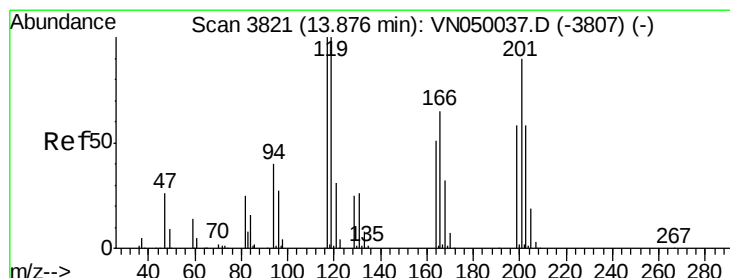
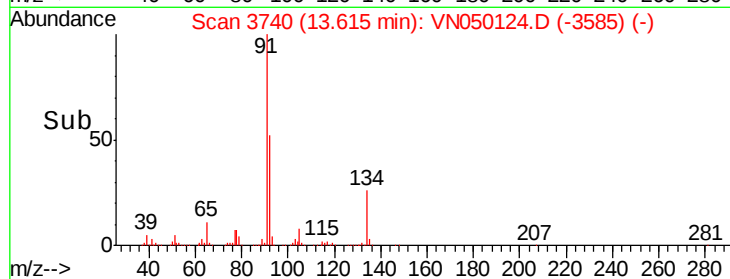
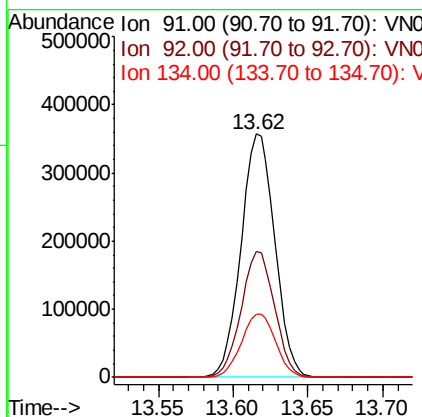
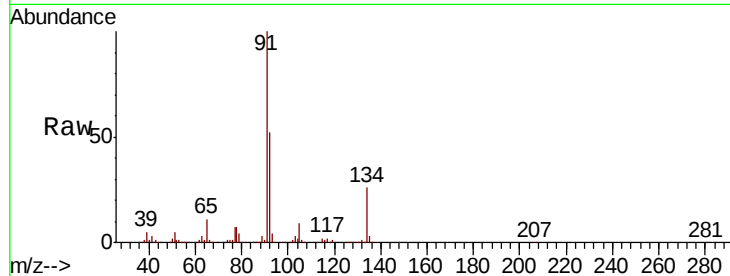
#85
n-Butylbenzene
Concen: 19.923 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.0	0.0	102.8	
134	26.3	0.0	51.0	

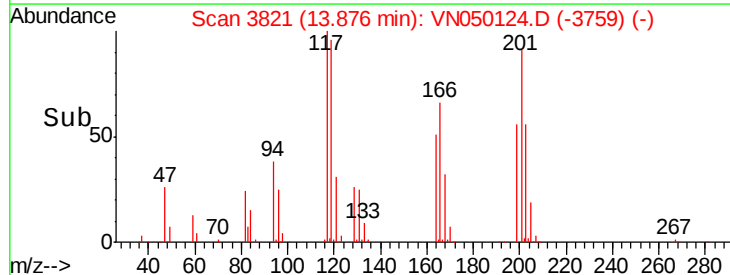
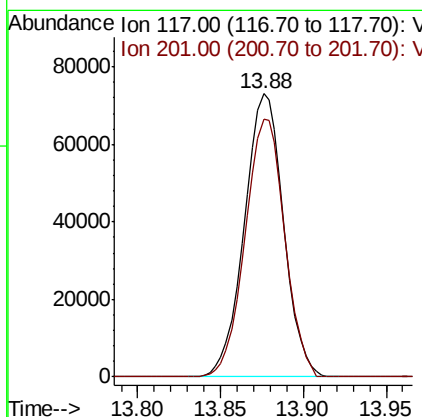
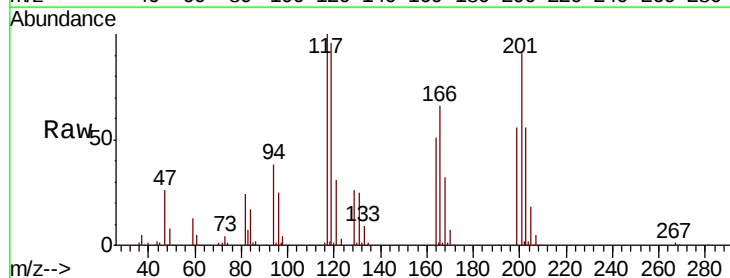
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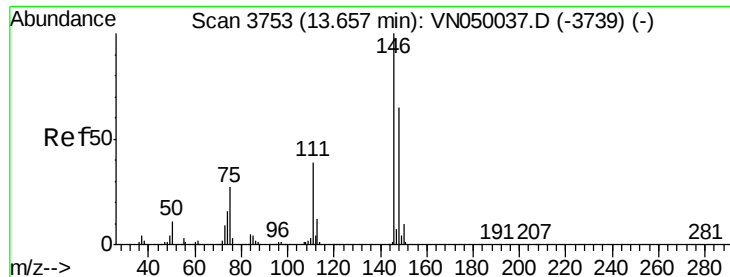
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#86
Hexachloroethane
Concen: 17.306 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	91.6	46.6	139.7	





#87

1,2-Dichlorobenzene

Concen: 19.154 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

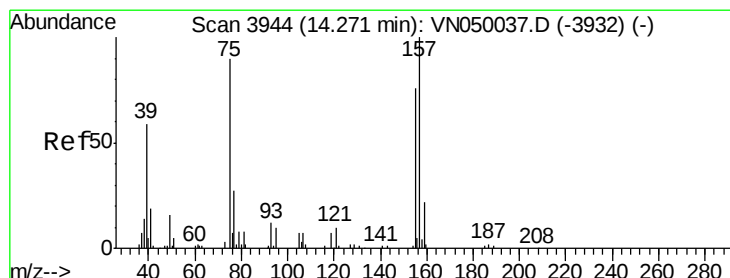
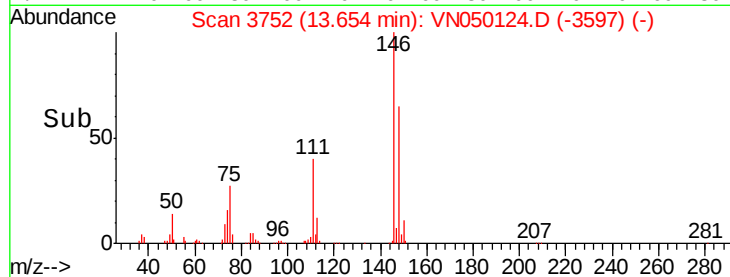
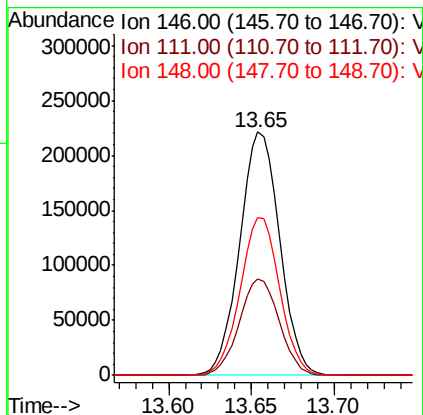
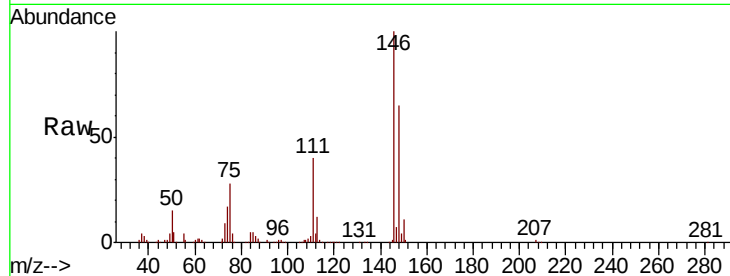
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	371525
Ion Ratio		Lower	Upper
146	100		
111	39.6	19.8	59.3
148	64.0	31.8	95.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.663 ug/l

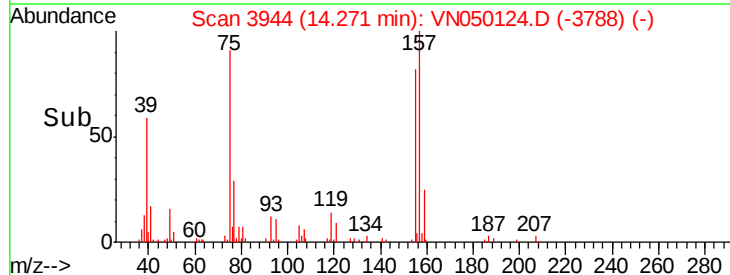
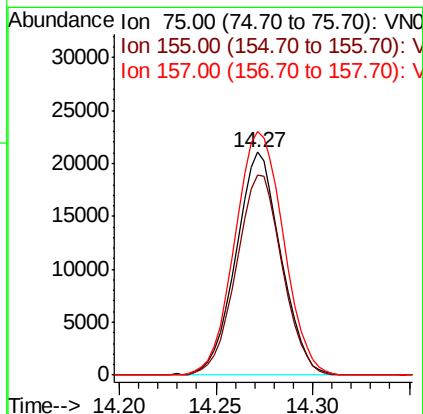
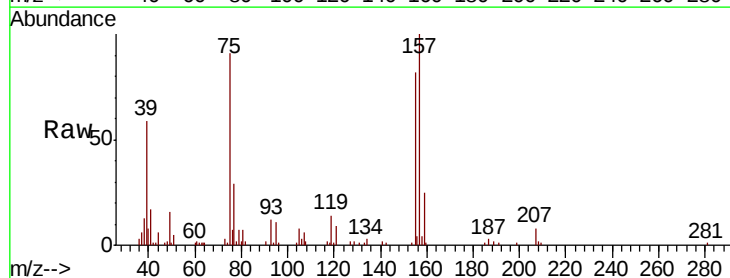
RT: 14.27 min Scan# 3944

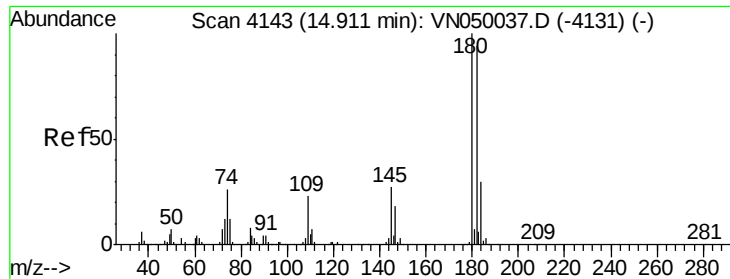
Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion:	75	Resp:	34150
Ion Ratio		Lower	Upper
75	100		
155	91.2	73.0	109.6
157	117.9	94.9	142.3





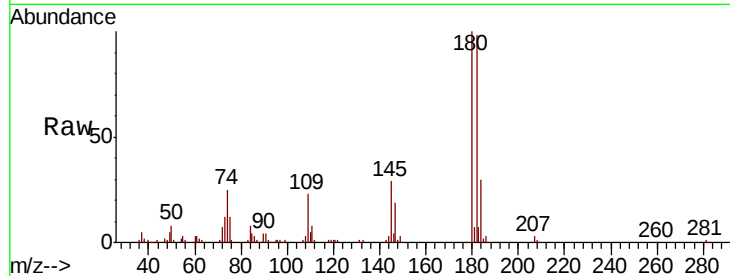
#89
 1,2,4-Trichlorobenzene
 Concen: 19.654 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182090		
182	96.9	76.7	115.1	
145	29.1	23.4	35.0	

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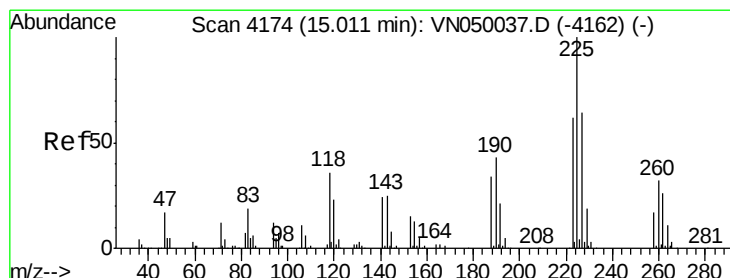
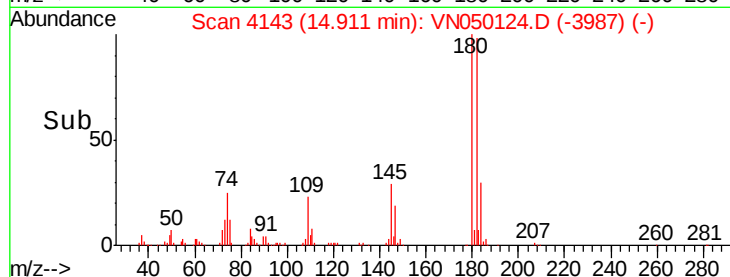
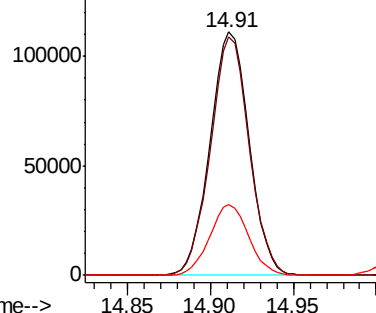


Abundance

Ion 180.00 (179.70 to 180.70): V

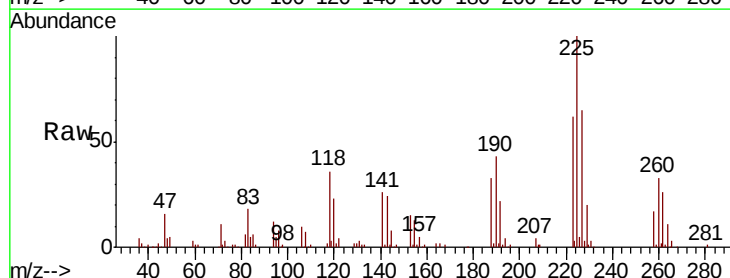
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.378 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124477		
223	62.3	0.0	124.4	
227	65.8	0.0	133.0	

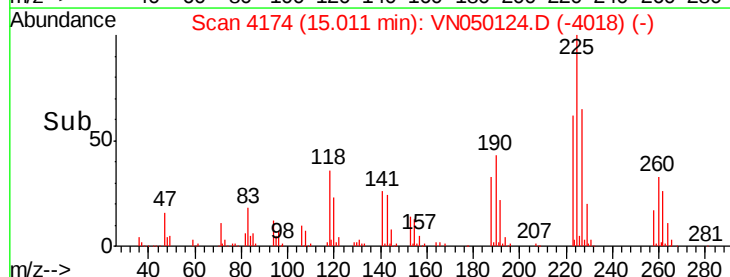
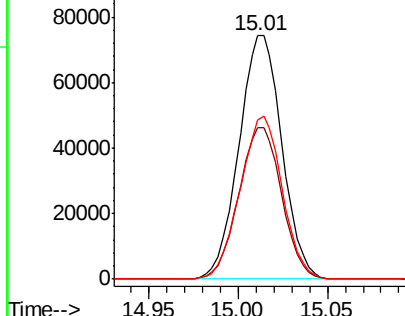


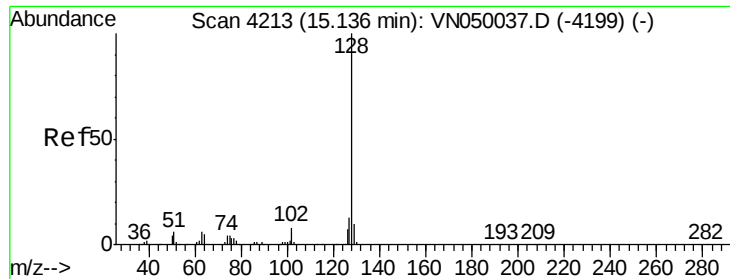
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





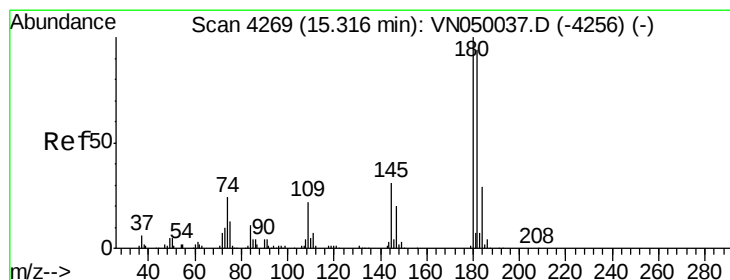
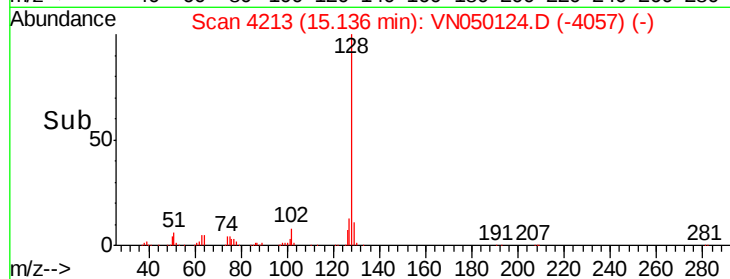
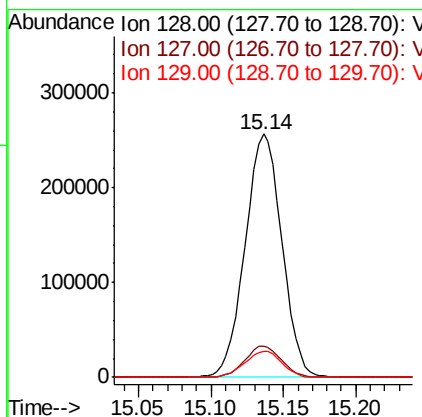
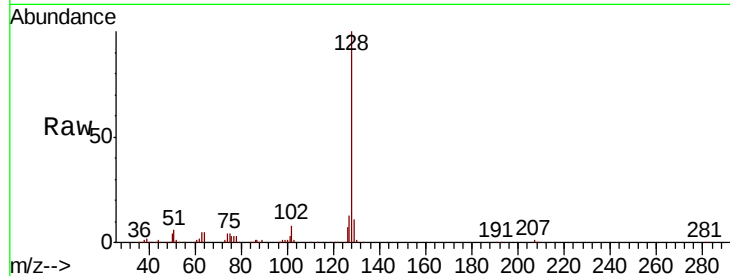
#91
Naphthalene
Concen: 23.166 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	9.0	13.4

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MMDadoda
7/30/2018 1:37:15 PM



#92
1,2,3-Trichlorobenzene
Concen: 20.212 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	0.0	188.8
145	31.4	0.0	60.8

