

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050202.D
 Acq On : 31 Jul 2018 8:17
 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
 8/1/2018 11:13:50 AM

Quant Time: Jul 31 17:40:22 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	130362	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	727741	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	623920	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	272822	30.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.63%
60) 4-Bromofluorobenzene	12.40	95	278716	29.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.93%
63) Toluene-d8	10.09	98	907583	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	185712	20.672	ug/l 98
3) Chloromethane	2.06	50	170246	18.381	ug/l 100
4) Vinyl Chloride	2.18	62	186257	18.888	ug/l 99
5) Bromomethane	2.57	94	44620	7.423	ug/l 99
6) Chloroethane	2.70	64	114109	19.566	ug/l 98
7) Trichlorofluoromethane	3.01	101	260213	20.194	ug/l 100
8) Diethyl Ether	3.41	74	83007	19.204	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	164550	20.992	ug/l 98
10) 1,1-Dichloroethene	3.74	96	136566	19.649	ug/l 94
11) Methyl Iodide	3.95	142	52836	5.166	ug/l 98
12) Methyl Acetate	4.33	43	165411	20.776	ug/l 98
13) Acrolein	3.61	56	13592	27.623	ug/l 100
14) Acrylonitrile	4.99	53	227047	85.461	ug/l # 89
15) Acetone	3.82	58	66134	93.666	ug/l 97
16) Carbon Disulfide	4.05	76	395107	18.575	ug/l 99
17) Allyl chloride	4.32	41	215809	19.661	ug/l 99
18) Methylene Chloride	4.55	84	159865	19.932	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	148058	19.897	ug/l 98
20) Diisopropyl ether	5.95	45	458043	20.351	ug/l 97
21) 1,1-Dichloroethane	5.85	63	283008	19.998	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	164989	19.993	ug/l 100
23) tert-Butyl Alcohol	4.79	59	42655	71.853	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	353727	18.661	ug/l 100
25) Chloroform	7.37	83	291314	20.334	ug/l 98
26) Cyclohexane	7.65	56	223143	19.842	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	212181	18.787	ug/l 99
30) 2-Butanone	6.84	43	274126	77.349	ug/l 99
31) 2,2-Dichloropropane	6.83	77	237647	19.036	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	248239	18.674	ug/l 98
33) Carbon Tetrachloride	7.77	117	218842	18.468	ug/l 97
34) Benzene	8.04	78	643251	18.754	ug/l 99
35) Methacrylonitrile	7.18	41	62272	15.432	ug/l 94
36) 1,2-Dichloroethane	8.13	62	201092	17.856	ug/l 100
37) Trichloroethene	8.83	130	169222	18.811	ug/l 98
38) Methylcyclohexane	9.08	83	219096	18.402	ug/l 99
39) 1,2-Dichloropropane	9.12	63	169543	18.764	ug/l 98
40) Dibromomethane	9.21	93	99720	17.857	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	225027	19.103	ug/l	98
42) Vinyl Acetate	5.90	43	1384351	83.008	ug/l	99
43) Ethyl Acetate	6.93	43	115677	15.631	ug/l	94
44) Isopropyl Acetate	8.17	43	240586	17.549	ug/l	94
45) 1,4-Dioxane	9.20	88	27337	303.030	ug/l	96
46) Methyl methacrylate	9.20	41	103655	15.597	ug/l	98
47) n-amyl Acetate	12.07	43	153190	14.360	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	202252	18.013	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	239592	18.161	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	143681	17.925	ug/l	99
51) Ethyl methacrylate	10.43	69	155485	15.981	ug/l	99
52) 1,3-Dichloropropane	10.71	76	235112	17.862	ug/l	99
53) Dibromochloromethane	10.90	129	162893	17.906	ug/l	99
54) 1,2-Dibromoethane	11.00	107	134146	17.087	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	350672	79.638	ug/l	100
56) Bromoform	12.13	173	103020	16.038	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	589293	81.171	ug/l	99
59) 2-Hexanone	10.75	43	386934	78.123	ug/l	99
61) Tetrachloroethene	10.63	164	160399	18.980	ug/l	96
62) Toluene	10.16	91	687705	19.319	ug/l	100
64) Chlorobenzene	11.44	112	417841	19.357	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	161321	19.160	ug/l	98
66) Ethyl Benzene	11.51	91	691513	19.009	ug/l	99
67) m/p-Xylenes	11.62	106	540965	38.641	ug/l	100
68) o-Xylene	11.95	106	253125	19.004	ug/l	100
69) Styrene	11.96	104	404881	18.961	ug/l	99
70) Isopropylbenzene	12.25	105	687169	19.371	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	167575	17.205	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	138856m	16.692	ug/l	
73) Bromobenzene	12.53	156	172563	18.261	ug/l	99
74) n-propylbenzene	12.59	91	787431	19.059	ug/l	98
75) 2-Chlorotoluene	12.67	91	473568	19.084	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	565650	19.414	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	39858	14.655	ug/l	94
78) 4-Chlorotoluene	12.77	91	473988	19.275	ug/l	100
79) tert-butylbenzene	12.99	119	474402	19.044	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	567401	19.221	ug/l	98
81) sec-Butylbenzene	13.17	105	650969	19.237	ug/l	100
82) p-Isopropyltoluene	13.29	119	555697	19.246	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	303765	18.461	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	282122	18.143	ug/l	99
85) n-Butylbenzene	13.62	91	421789	18.000	ug/l	99
86) Hexachloroethane	13.88	117	104039	18.031	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	300619	18.691	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21992	14.494	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	119584	15.566	ug/l	99
90) Hexachlorobutadiene	15.01	225	96851	19.121	ug/l	99
91) Naphthalene	15.14	128	213761	16.517	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	123829	15.849	ug/l	98

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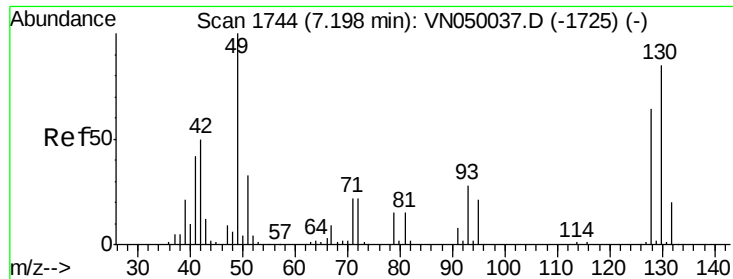
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

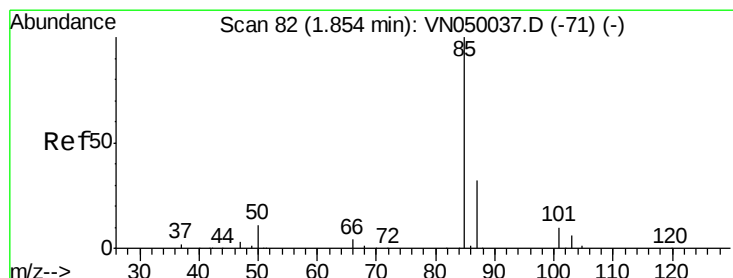
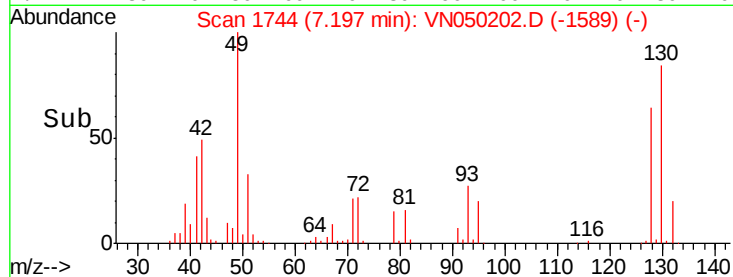
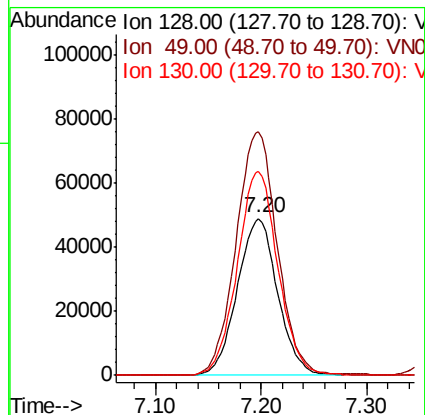
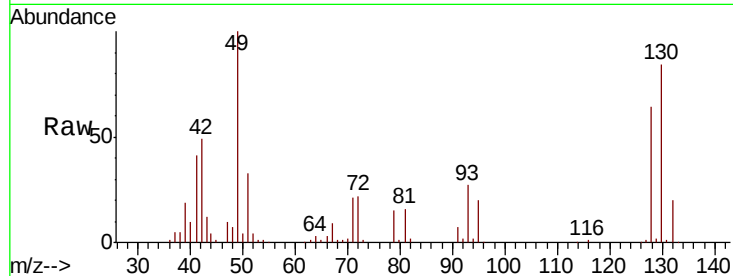
ClientSampled :

VSTDCCC020

Tot Ion:	128	Resp:	130362
Ion	Ratio	Lower	Upper
128	100		
49	158.8	0.0	378.3
130	131.3	0.0	320.7

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#2

Dichlorodifluoromethane

Concen: 20.672 ug/l

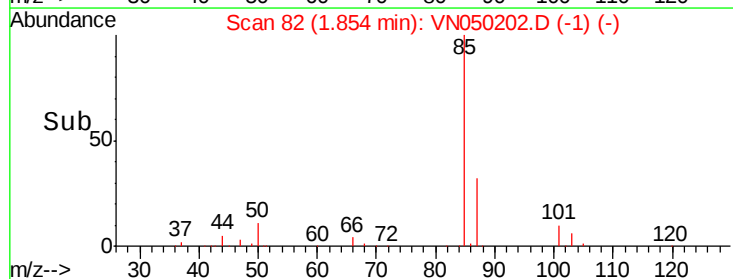
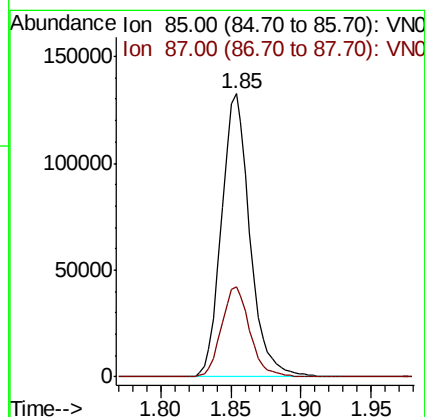
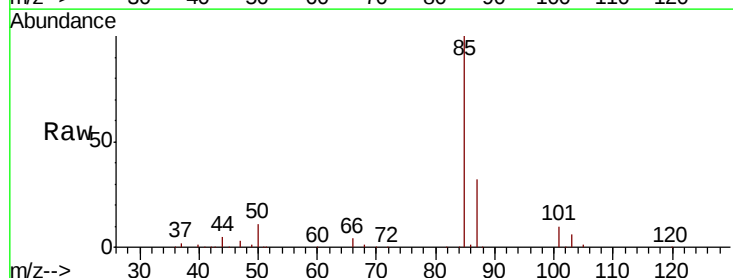
RT: 1.85 min Scan# 82

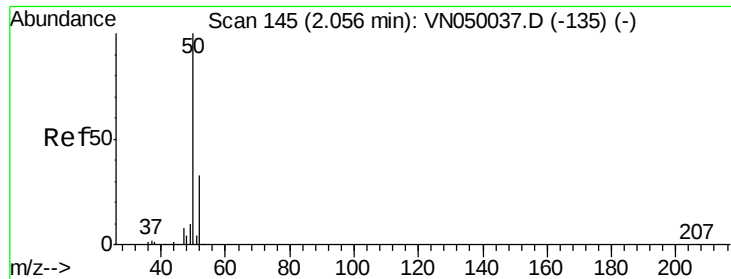
Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Tgt Ion:	85	Resp:	185712
Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.4	46.4





#3

Chloromethane

Concen: 18.381 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 50 Resp: 170246

Ion Ratio Lower Upper

50 100

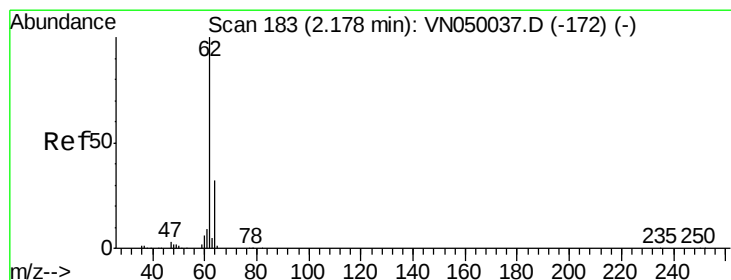
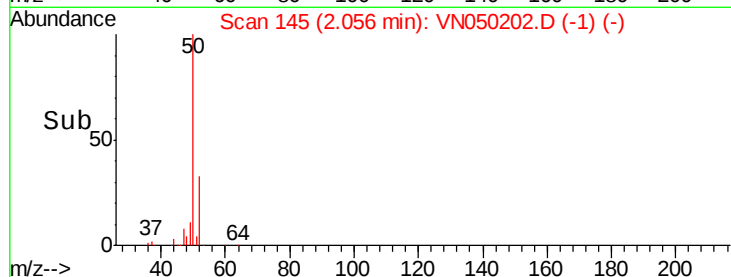
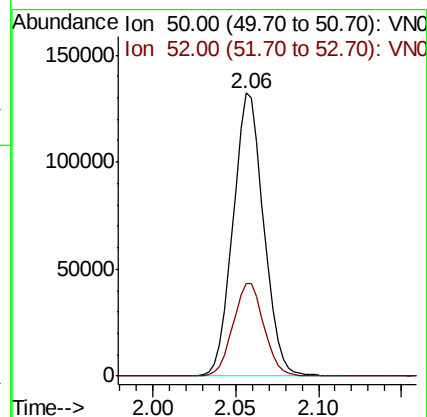
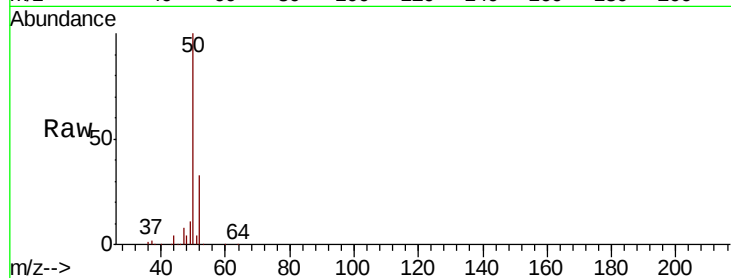
52 32.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.888 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050202.D

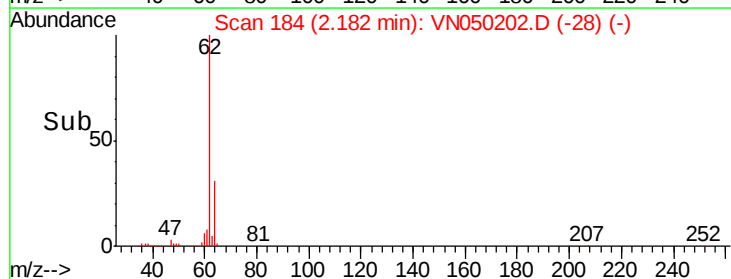
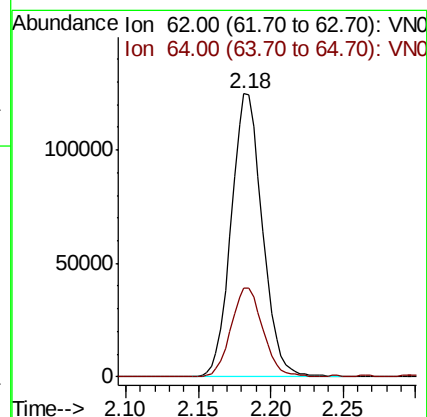
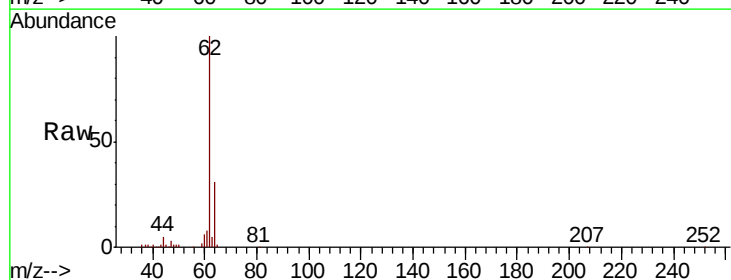
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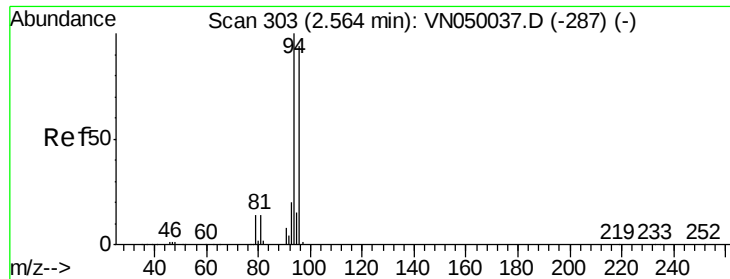
Tgt Ion: 62 Resp: 186257

Ion Ratio Lower Upper

62 100

64 31.2 24.4 36.6





#5

Bromomethane

Concen: 7.423 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 94 Resp: 44620

Ion Ratio Lower Upper

94 100

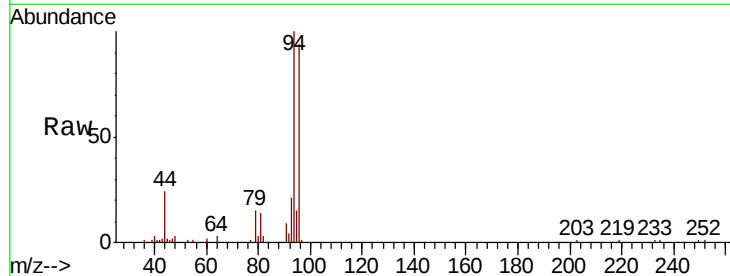
96 93.6 75.9 113.9

Manual Integrations

APPROVED

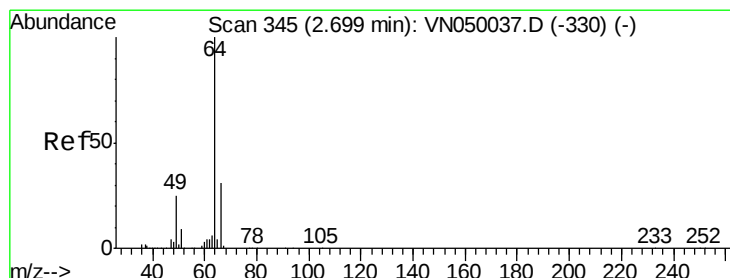
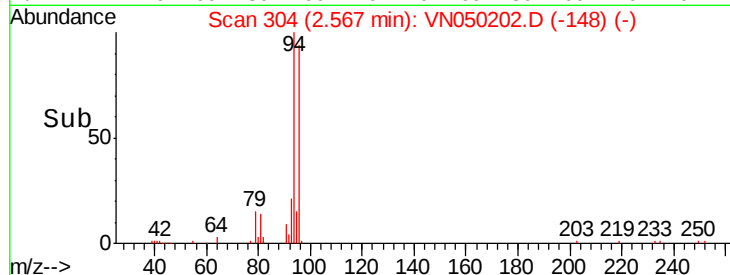
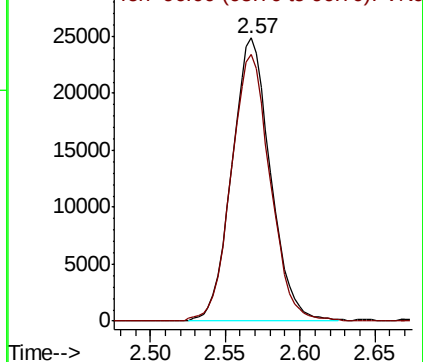
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8/1/2018 11:13:50 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.566 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050202.D

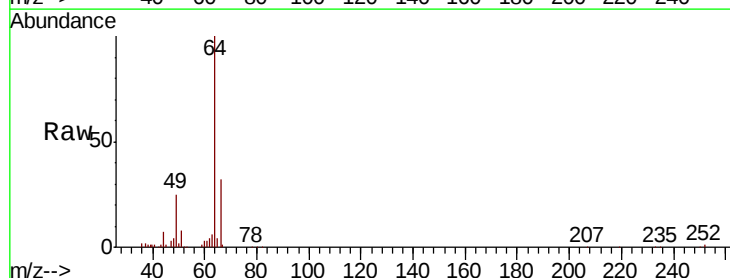
Acq: 31 Jul 2018 8:17

Tgt Ion: 64 Resp: 114109

Ion Ratio Lower Upper

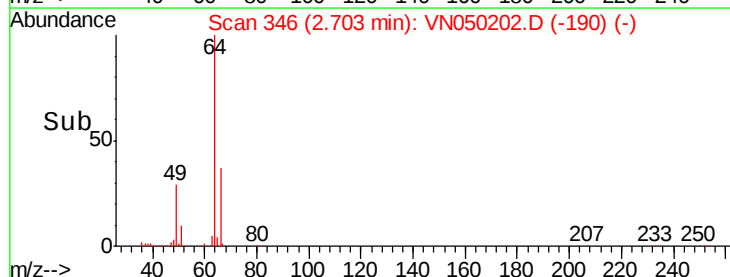
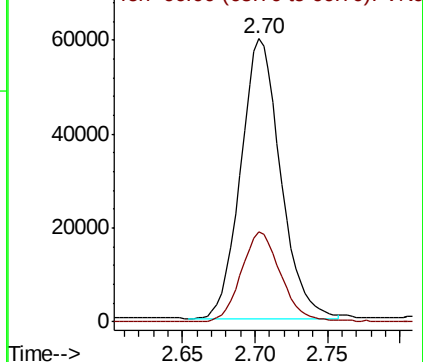
64 100

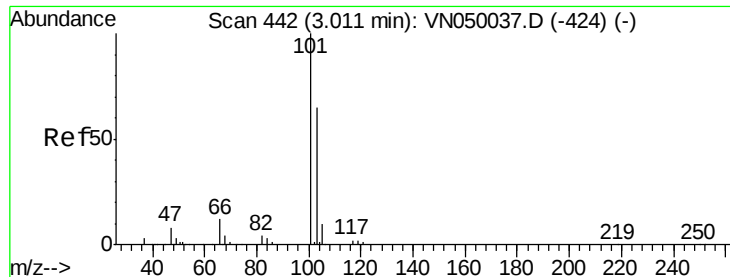
66 32.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

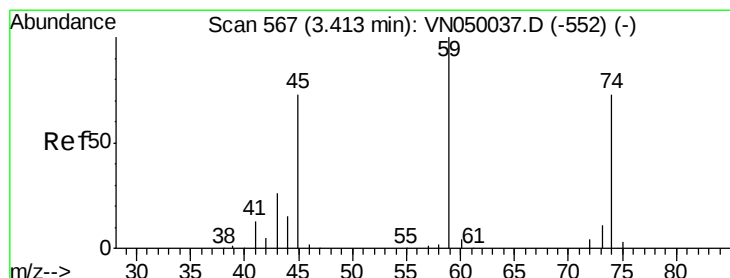
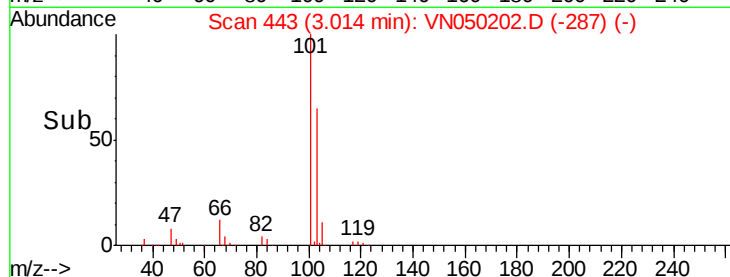
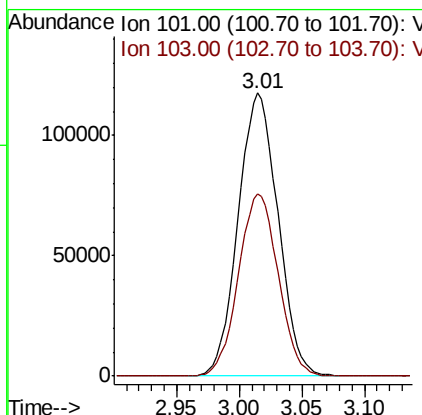
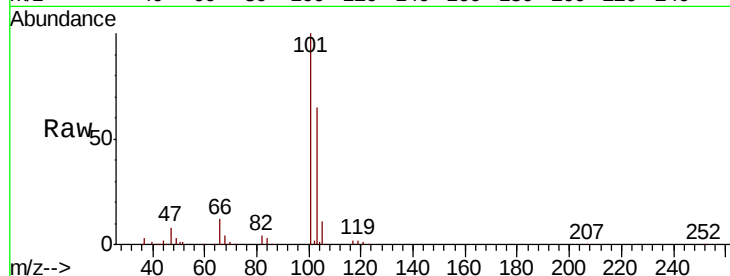
Trichlorofluoromethane
 Concen: 20.194 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
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 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.5	77.3

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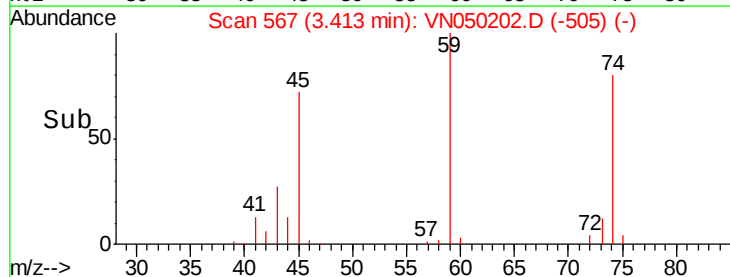
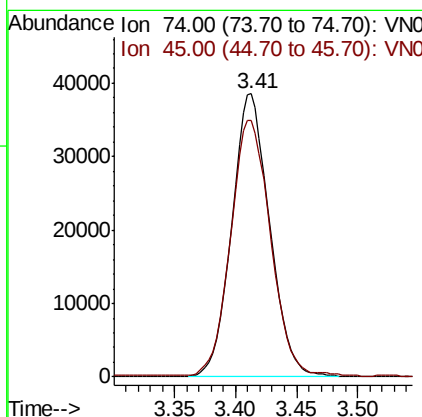
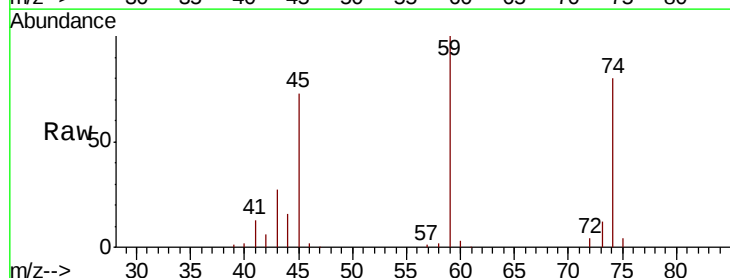
MMDadoda
 8/1/2018 11:13:50 AM

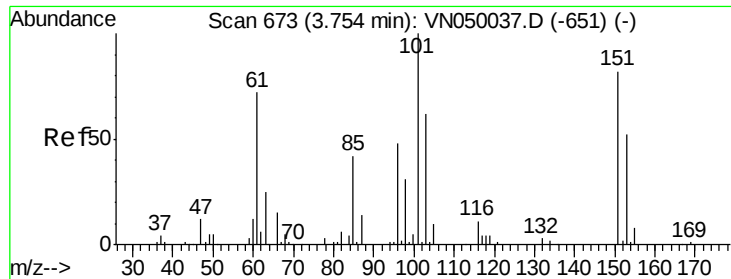


#8

Diethyl Ether
 Concen: 19.204 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	18.7	167.9





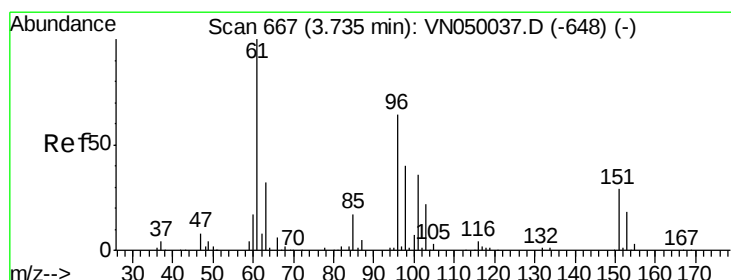
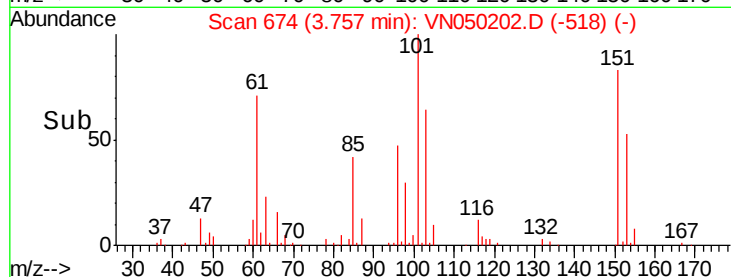
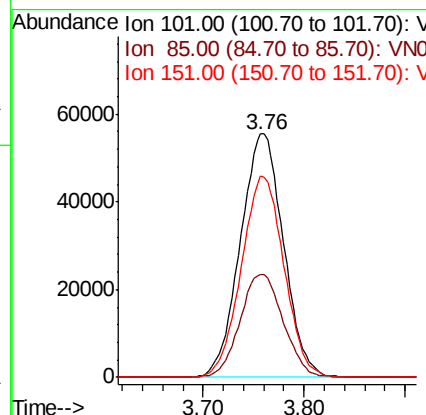
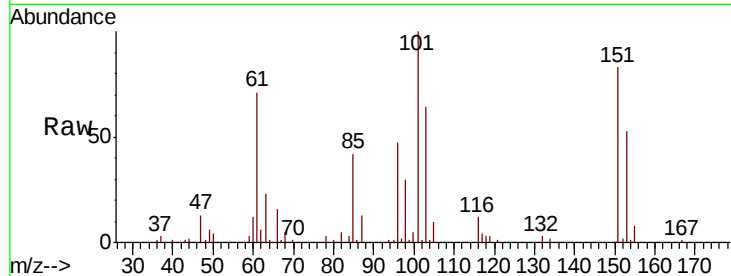
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.992 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

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 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	42.3	0.0	83.0
151	81.9	0.0	166.8

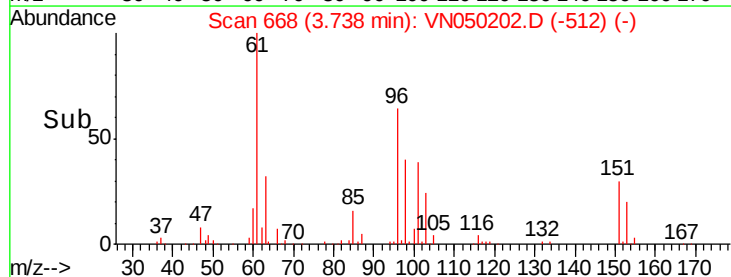
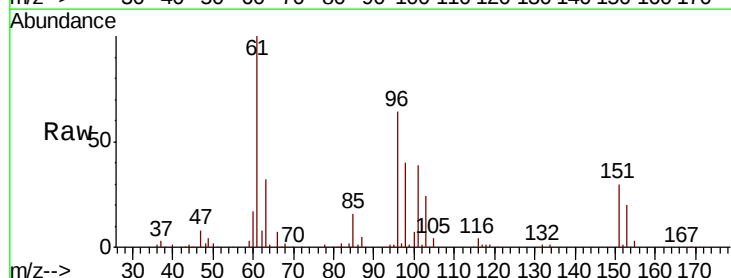
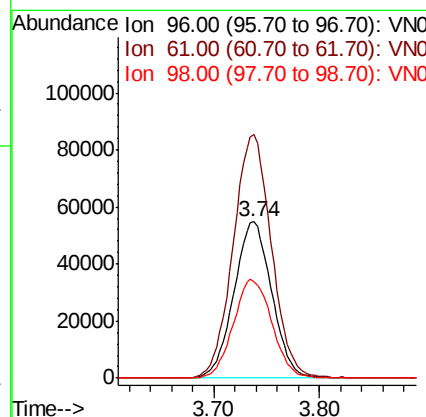
Manual Integrations
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 8/1/2018 11:13:50 AM



#10
 1,1-Dichloroethene
 Concen: 19.649 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	155.2	130.6	195.8
98	61.9	53.5	80.3





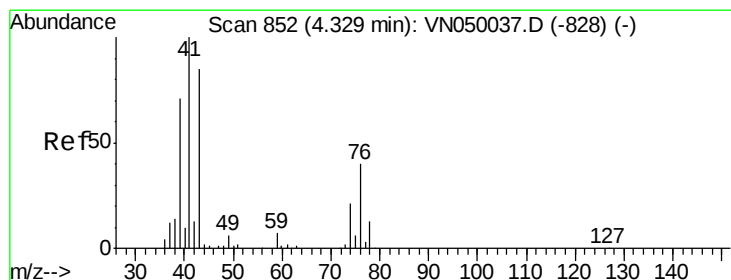
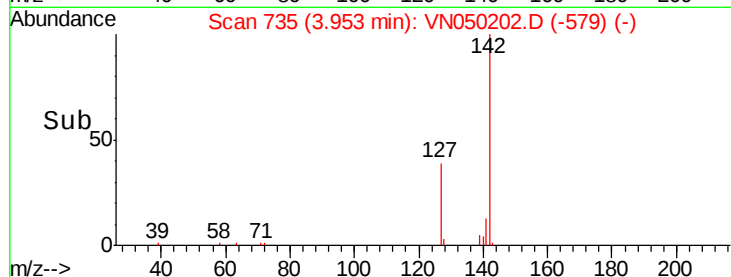
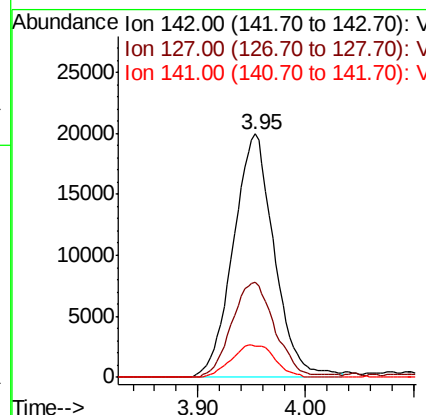
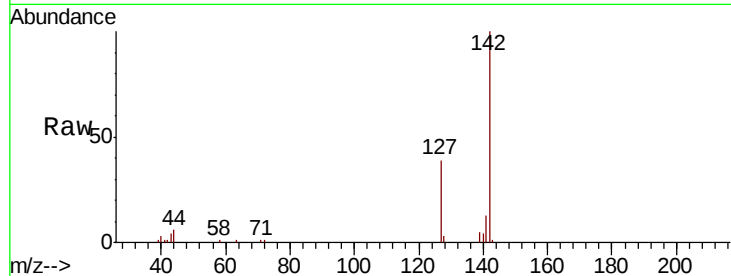
#11
Methyl Iodide
Concen: 5.166 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.9	20.2	60.5
141	13.1	6.9	20.6

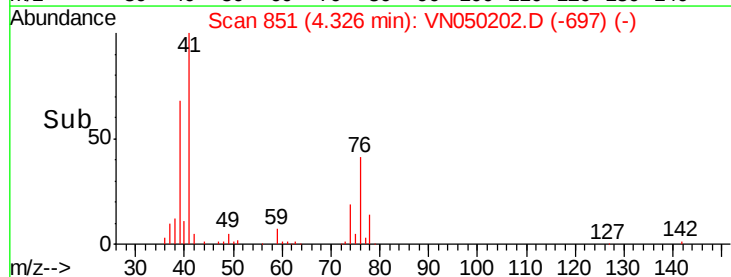
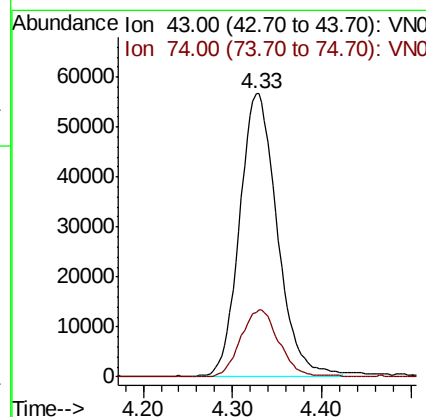
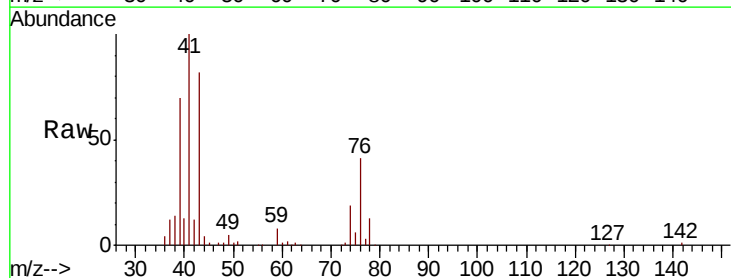
Manual Integrations
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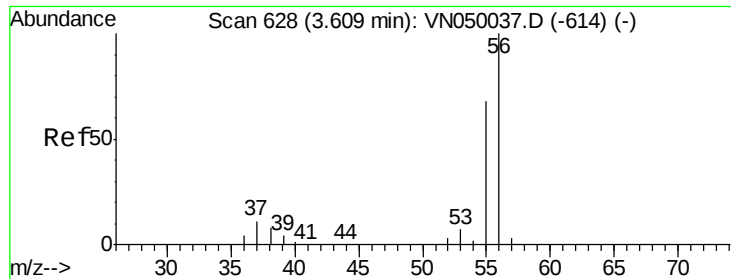
MMDadoda
8/1/2018 11:13:50 AM



#12
Methyl Acetate
Concen: 20.776 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.3	28.9





#13

Acrolein

Concen: 27.623 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 13592

Ion Ratio Lower Upper

56 100

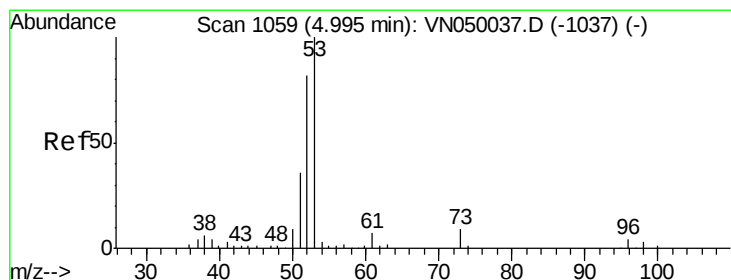
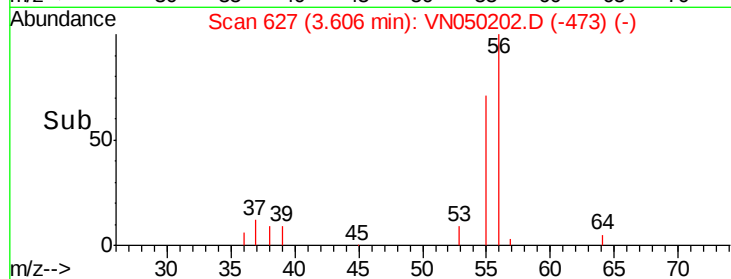
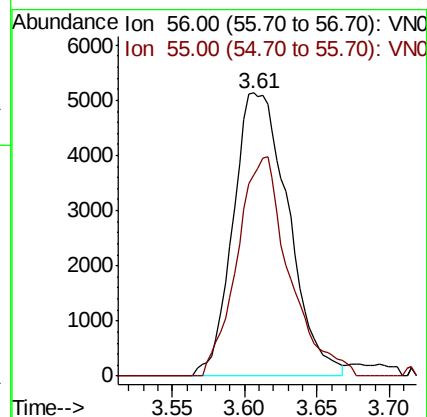
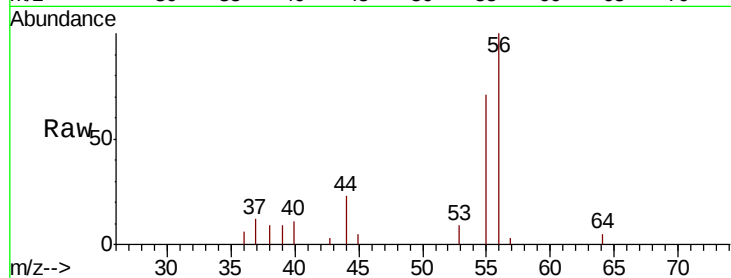
55 73.0 58.6 88.0

Manual Integrations

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#14

Acrylonitrile

Concen: 85.461 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

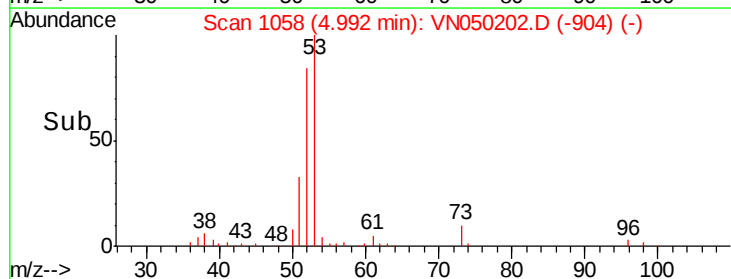
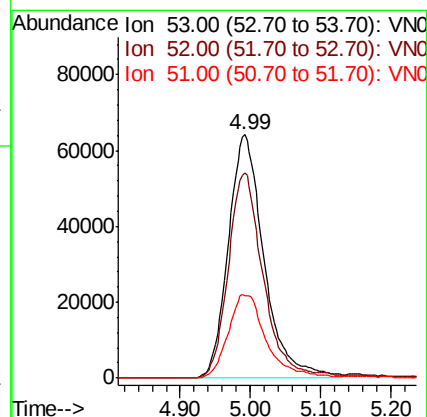
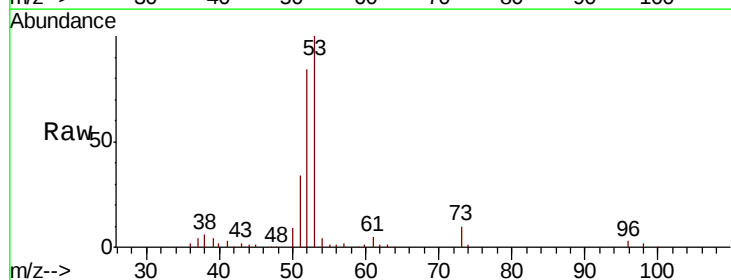
Tgt Ion: 53 Resp: 227047

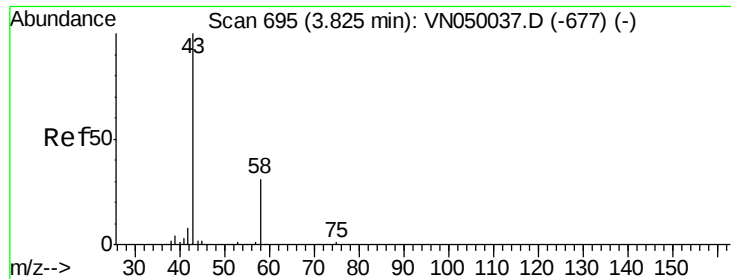
Ion Ratio Lower Upper

53 100

52 81.5 41.5 124.5

51 18.4 18.7 56.1#





#15

Acetone

Concen: 93.666 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 66134

Ion Ratio Lower Upper

58 100

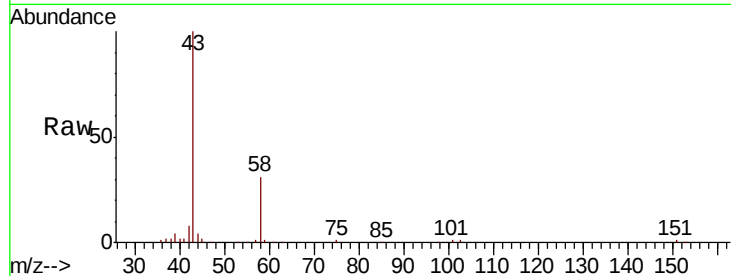
43 321.7 252.0 378.0

Manual Integrations

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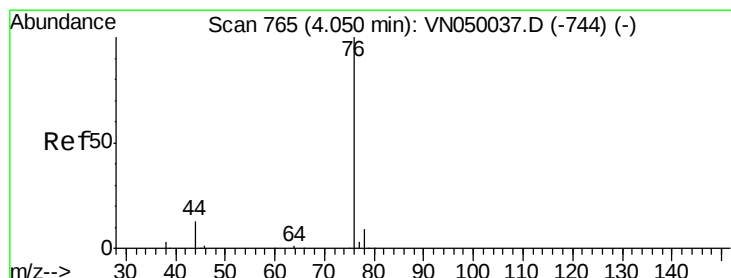
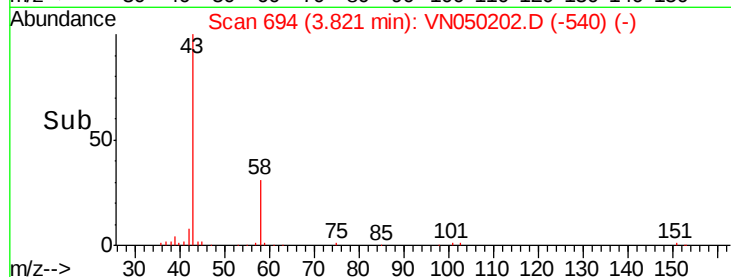
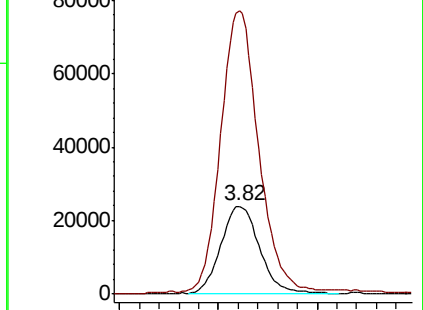
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Abundance Ion 58.00 (57.70 to 58.70): VN050202.D (-540) (-)

Ion 43.00 (42.70 to 43.70): VN050202.D (-540) (-)



#16

Carbon Disulfide

Concen: 18.575 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050202.D

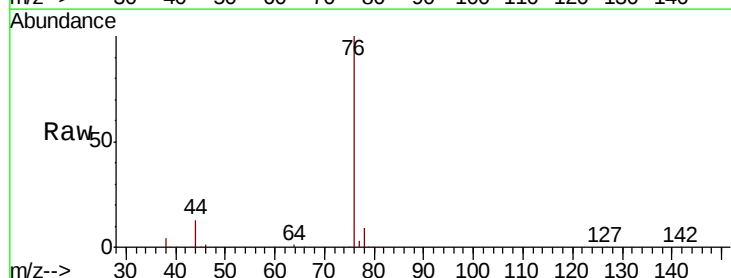
Acq: 31 Jul 2018 8:17

Tgt Ion: 76 Resp: 395107

Ion Ratio Lower Upper

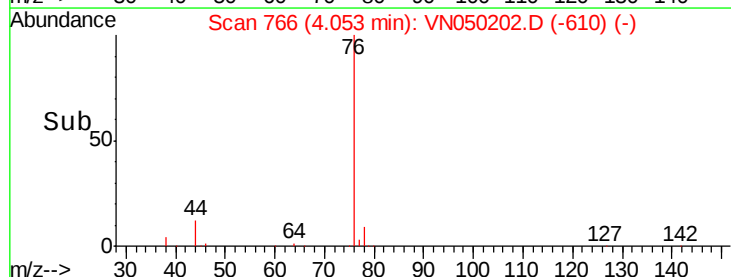
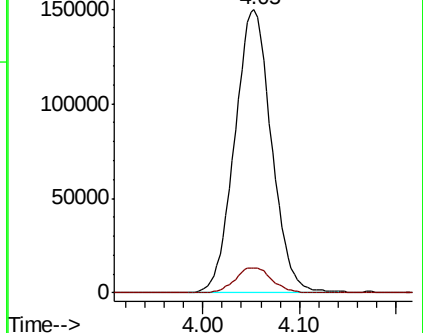
76 100

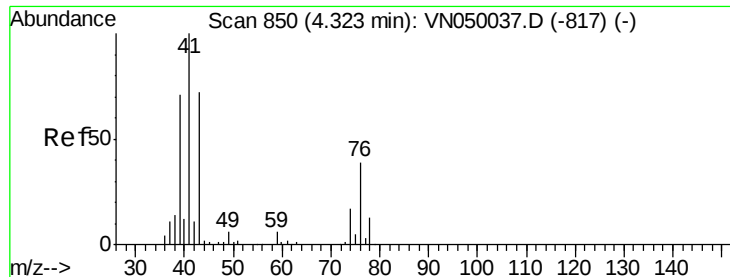
78 8.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050202.D (-610) (-)

Ion 78.00 (77.70 to 78.70): VN050202.D (-610) (-)





#17

Allvl chloride

Concen: 19.661 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

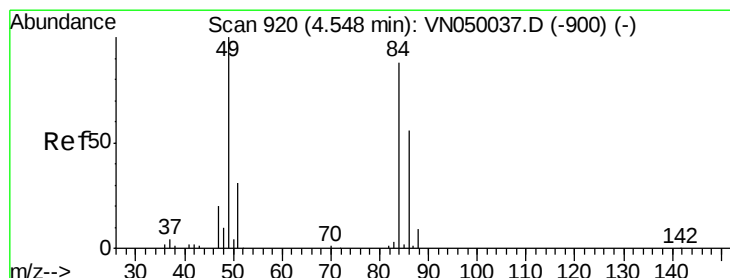
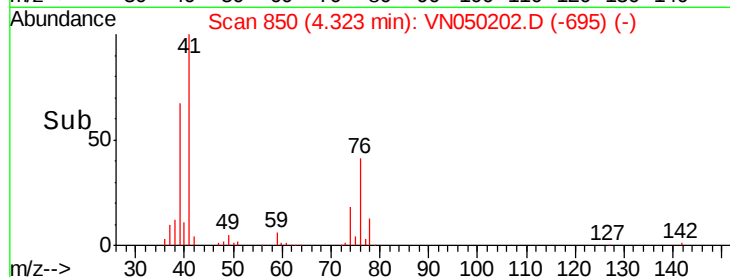
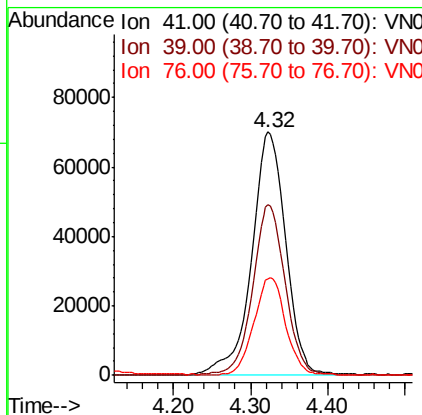
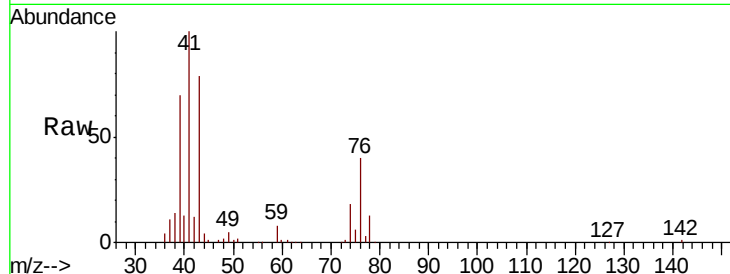
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	215809
Ion	Ratio	Lower	Upper
41	100		
39	70.2	35.4	106.3
76	39.4	19.7	59.1

Manual Integrations
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#18

Methylene Chloride

Concen: 19.932 ug/l

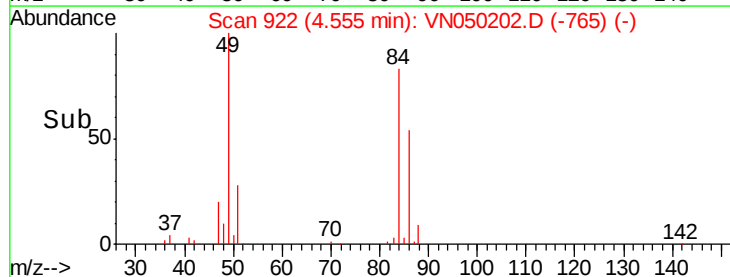
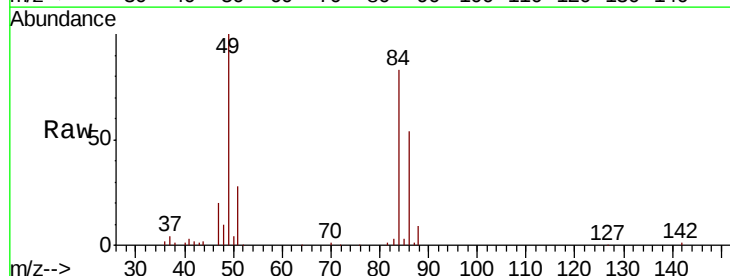
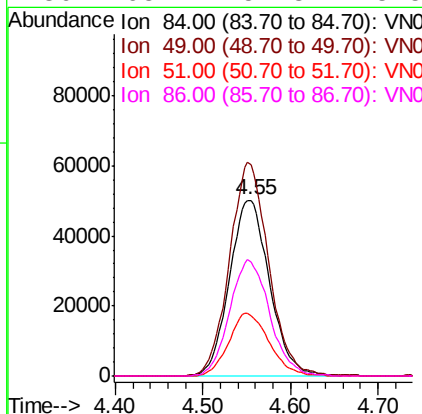
RT: 4.55 min Scan# 922

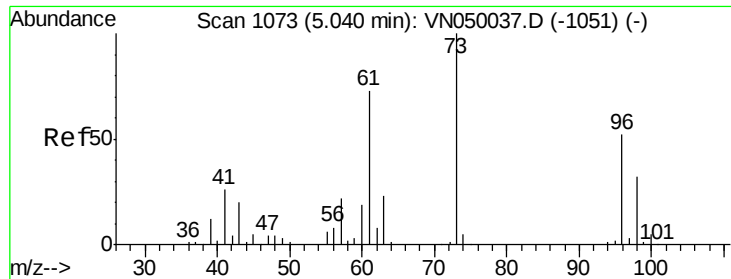
Delta R.T. 0.01 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Tgt Ion:	84	Resp:	159865
Ion	Ratio	Lower	Upper
84	100		
49	119.4	95.1	142.7
51	34.1	28.8	43.2
86	65.1	52.3	78.5





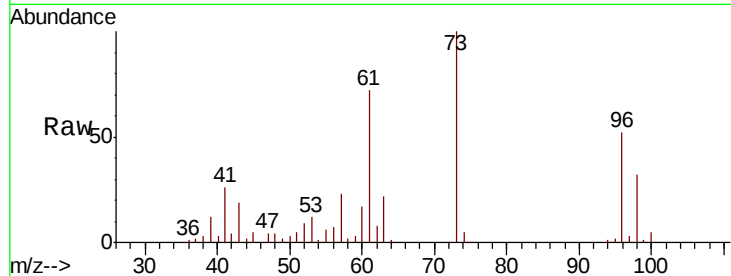
#19
trans-1,2-Dichloroethene
Concen: 19.897 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	112.1	168.1
98	62.3	51.3	76.9

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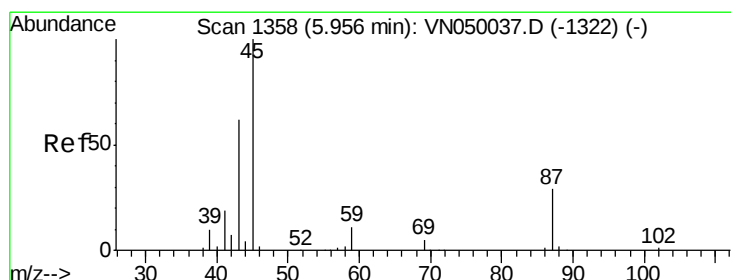
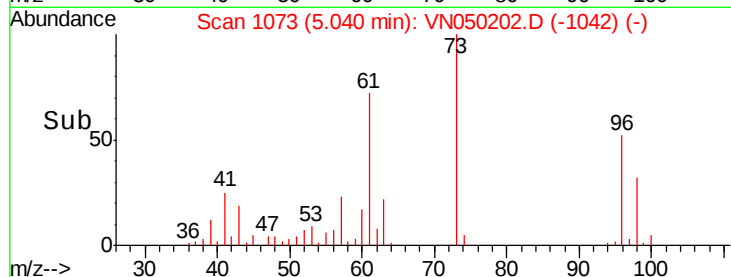
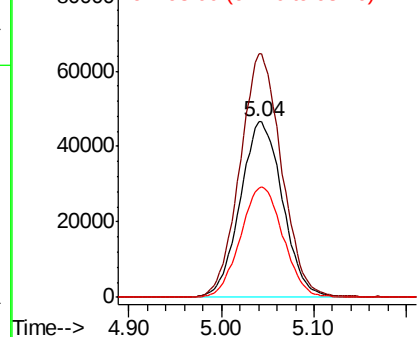


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 20.351 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	46.6	70.0
87	29.0	22.3	33.5
59	12.1	9.5	14.3

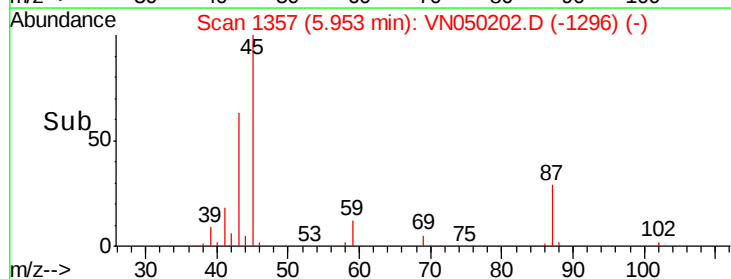
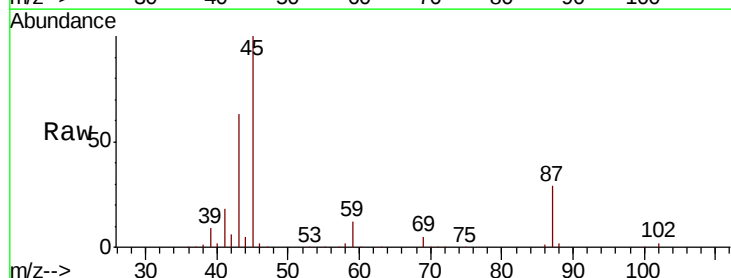
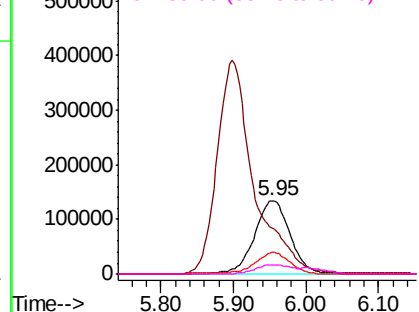
Abundance

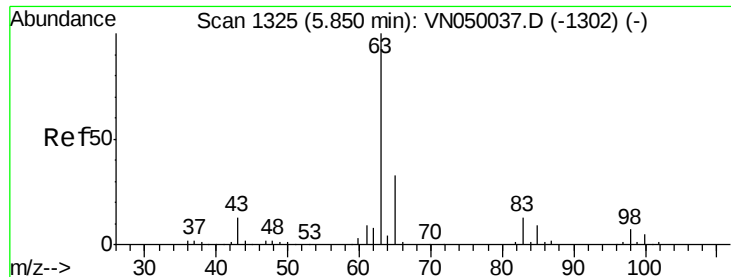
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





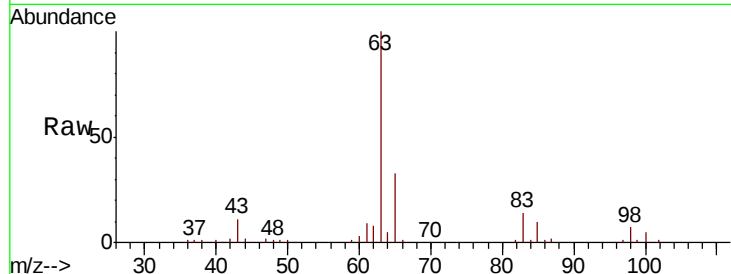
#21
 1,1-Dichloroethane
 Concen: 19.998 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.6
100	4.6	2.3	6.8

Manual Integrations
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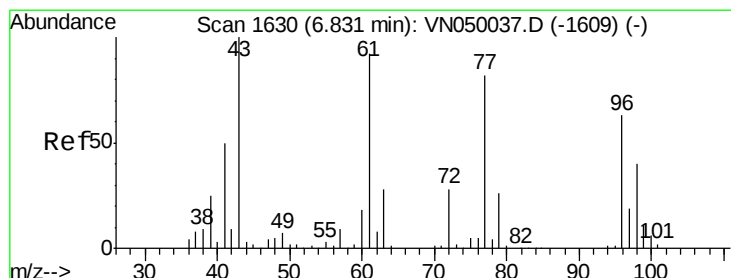
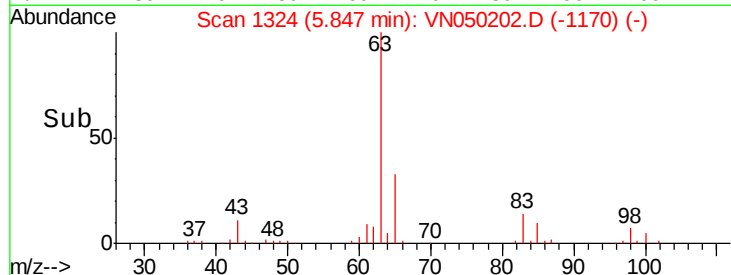
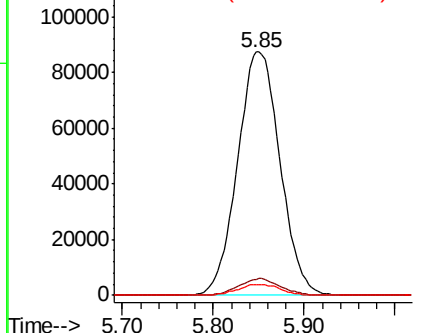


Abundance

Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22
 cis-1,2-Dichloroethene
 Concen: 19.993 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

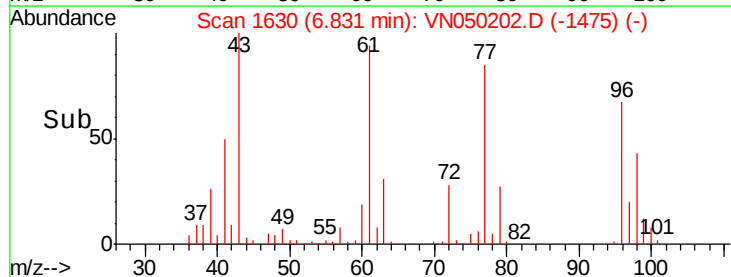
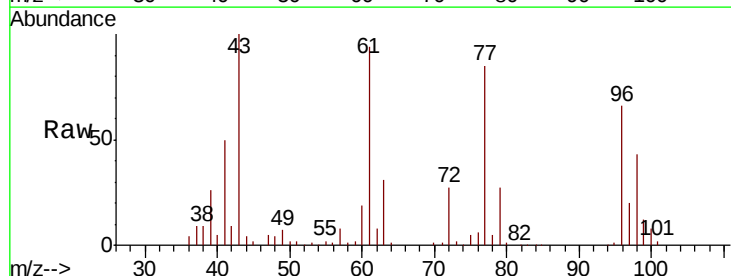
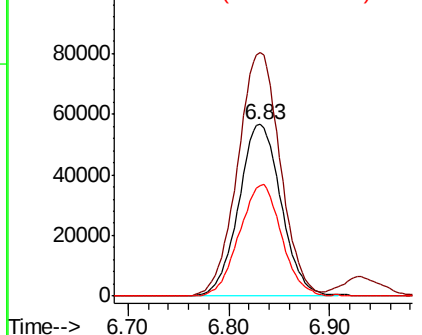
Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.9	114.2	171.2
98	64.7	51.7	77.5

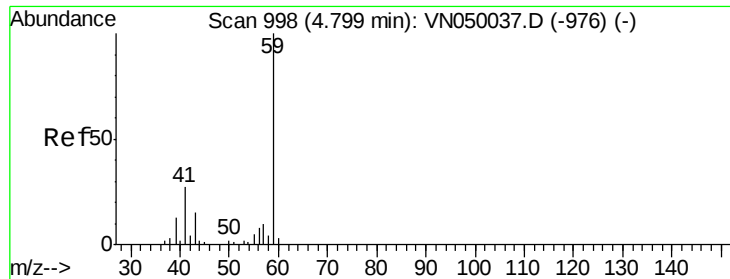
Abundance

Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)





#23

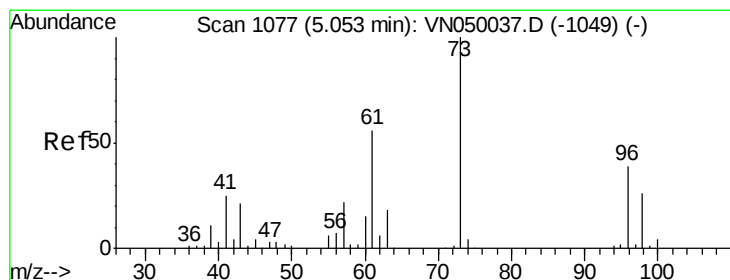
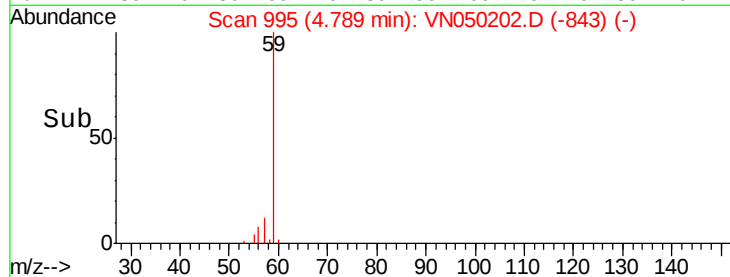
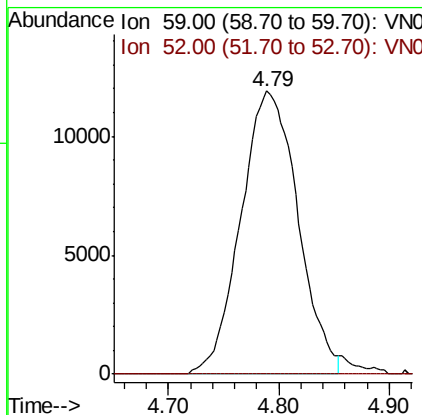
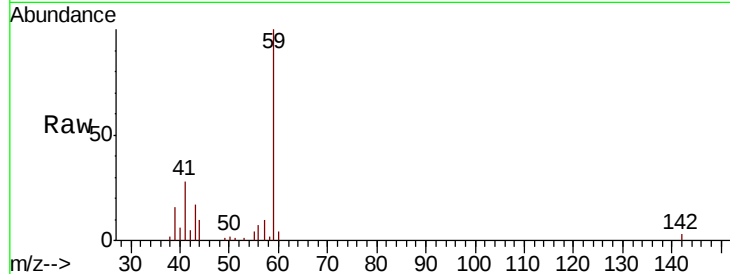
tert-Butyl Alcohol
 Concen: 71.853 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

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

Manual Integrations
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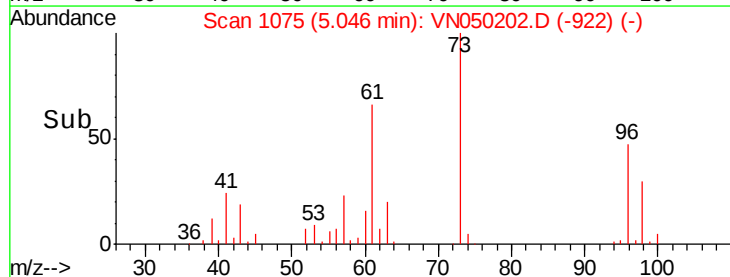
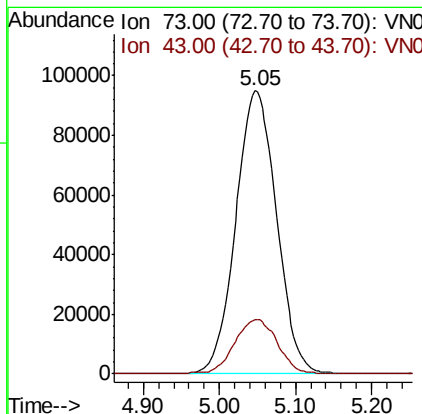
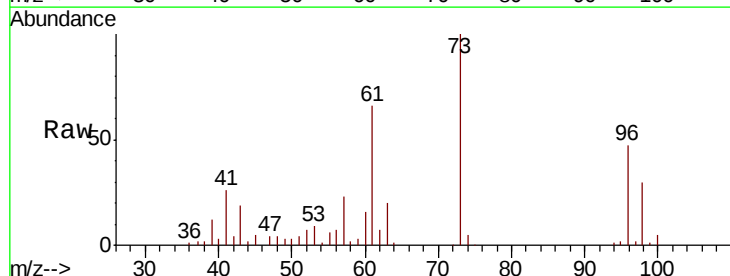
MMDadoda
 8/1/2018 11:13:50 AM

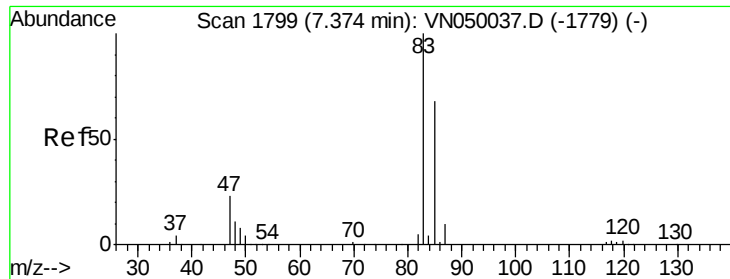


#24

Methyl tert-Butyl Ether
 Concen: 18.661 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.5	23.3





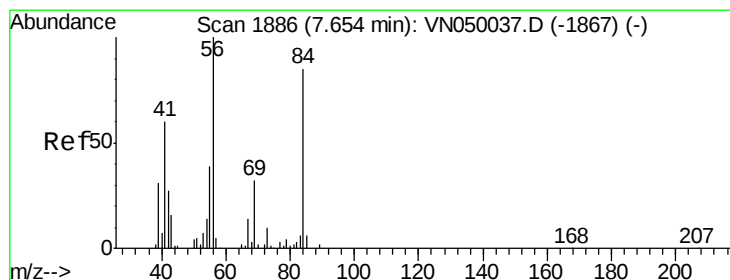
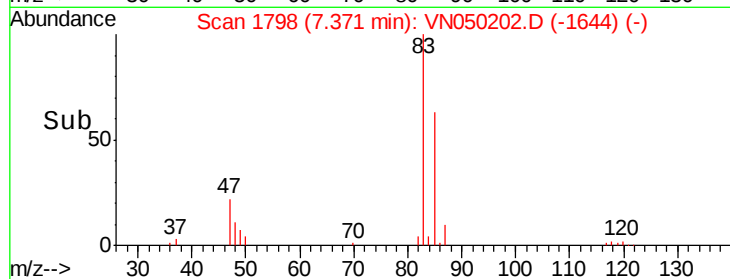
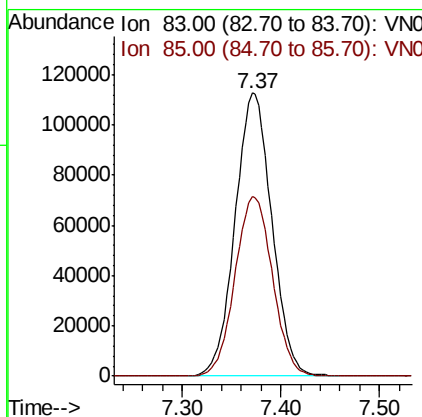
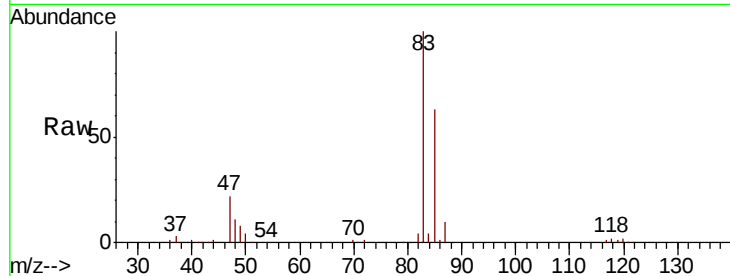
#25
Chloroform
Concen: 20.334 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	291314
Ion Ratio	100	Lower	Upper
85	63.3	52.1	78.1

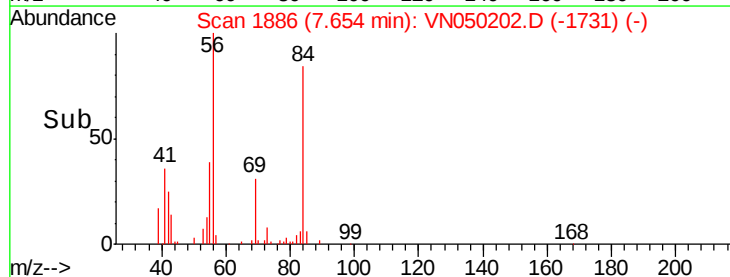
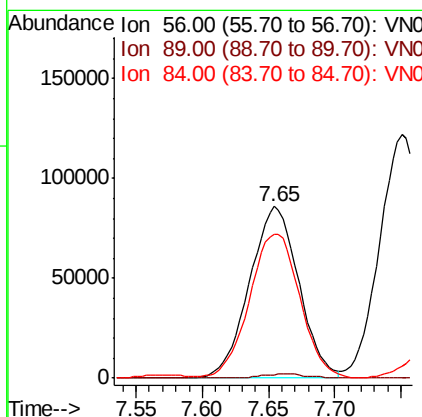
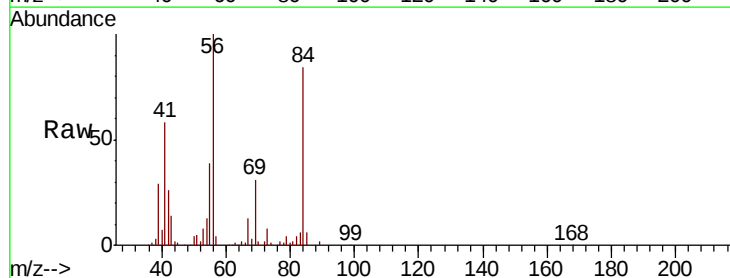
Manual Integrations
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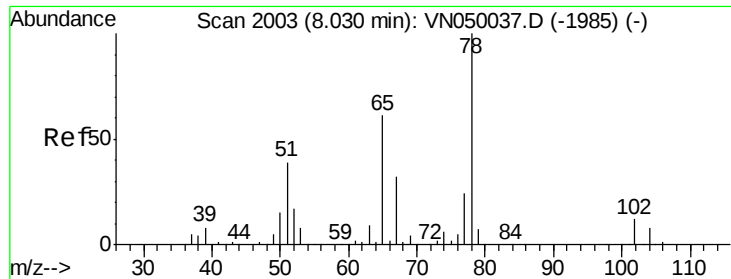
MMDadoda
8/1/2018 11:13:50 AM



#26
Cyclohexane
Concen: 19.842 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	56	Resp	223143
Ion Ratio	100	Lower	Upper
89	2.3	3.0	4.4#
84	86.3	69.8	104.8





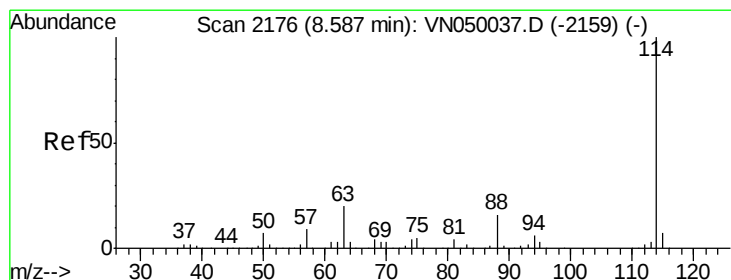
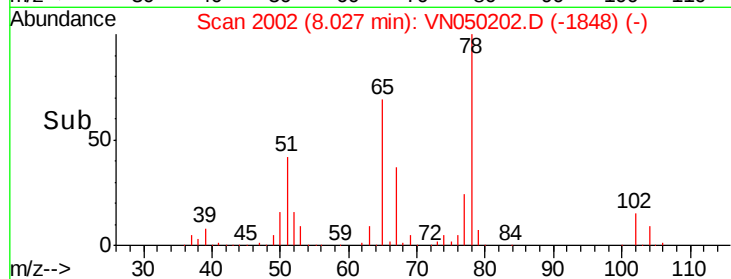
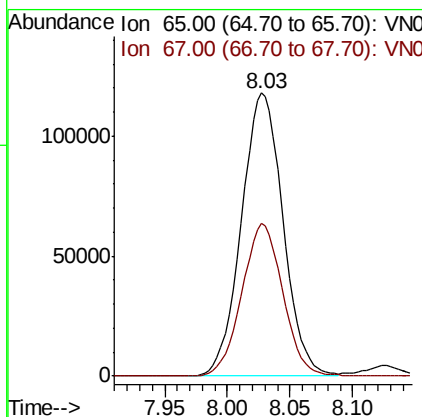
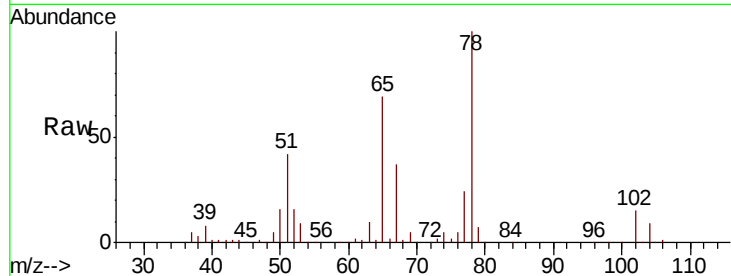
#27
 1,2-Dichloroethane-d4
 Concen: 30.789 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 65 Resp: 272822
 Ion Ratio Lower Upper
 65 100
 67 53.0 42.7 64.1

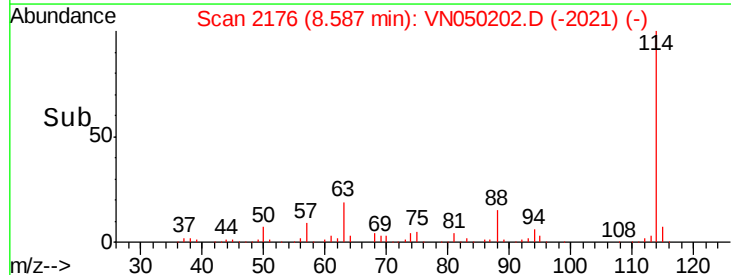
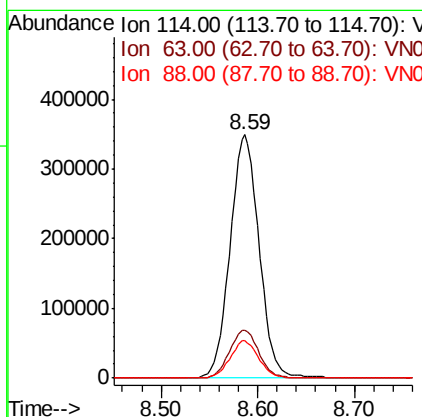
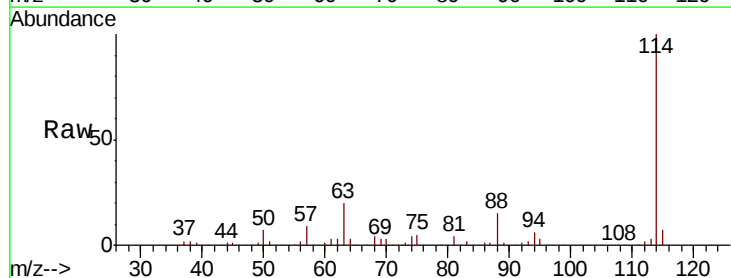
Manual Integrations
 APPROVED

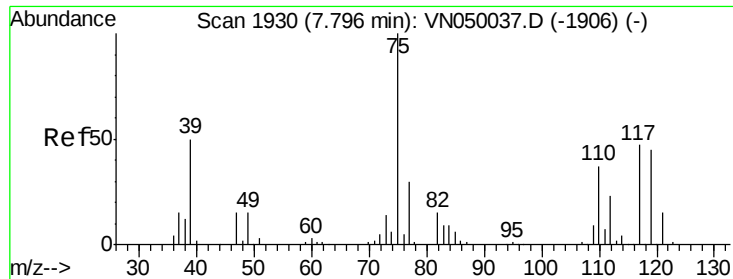
MMDadoda
 8/1/2018 11:13:50 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 114 Resp: 727741
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.2 24.2
 88 15.0 12.3 18.5





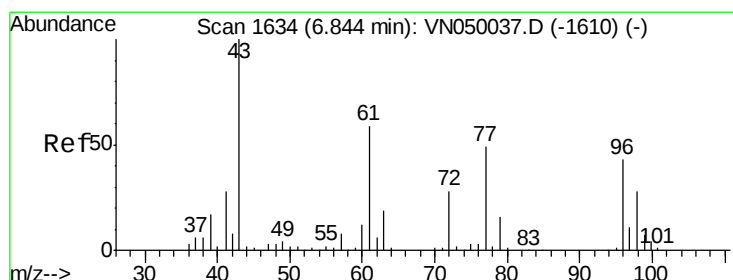
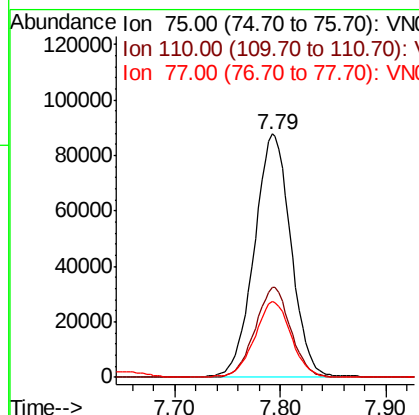
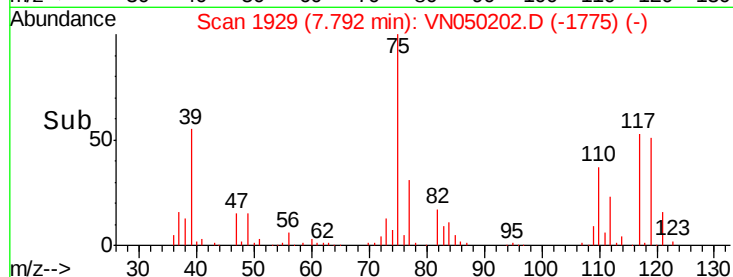
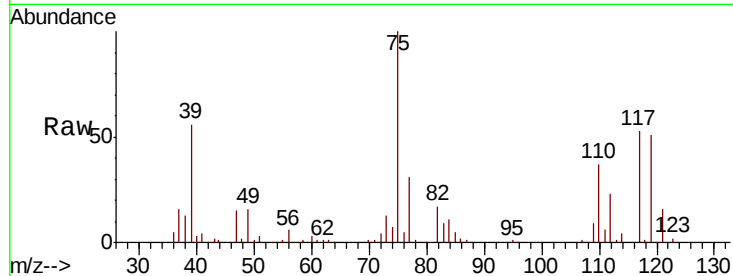
#29
 1,1-Dichloropropene
 Concen: 18.787 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.0	0.0	73.2
77	31.2	0.0	62.0

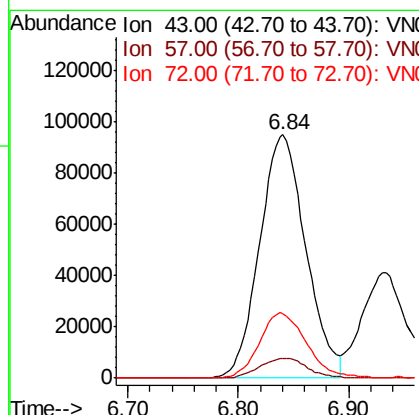
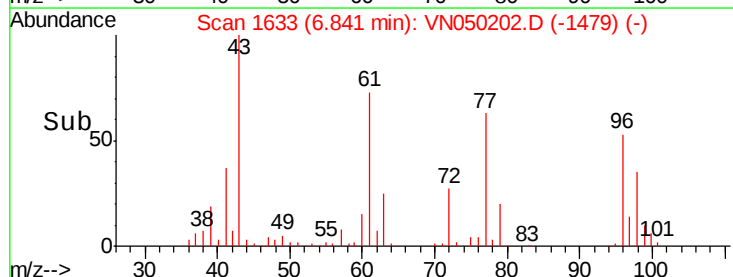
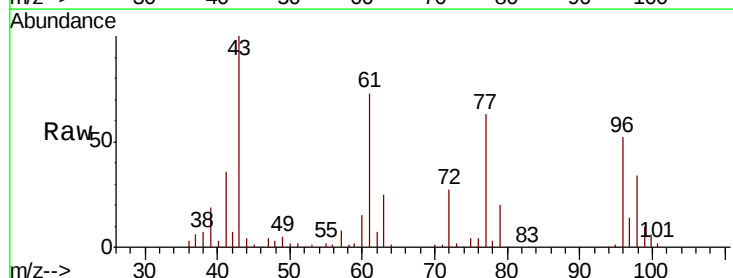
Manual Integrations
 APPROVED

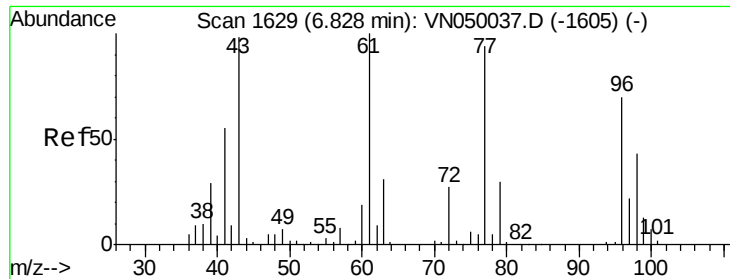
MMDadoda
 8/1/2018 11:13:50 AM



#30
 2-Butanone
 Concen: 77.349 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	6.8	10.2
72	27.6	21.4	32.0





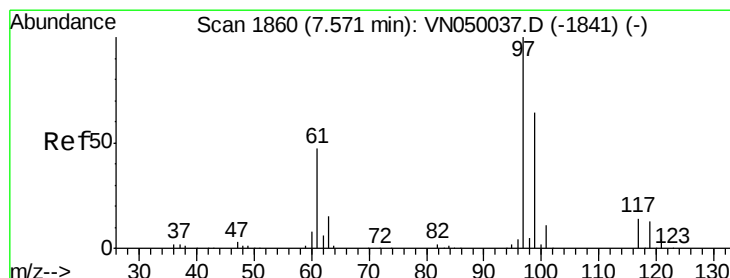
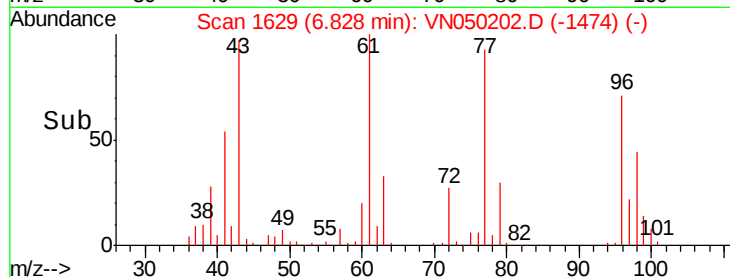
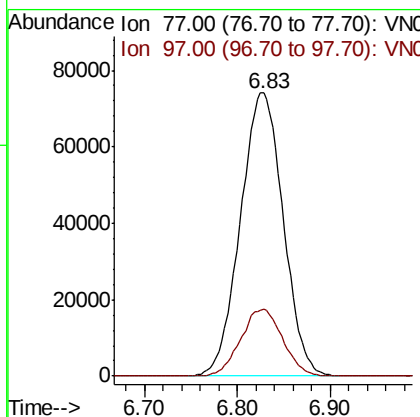
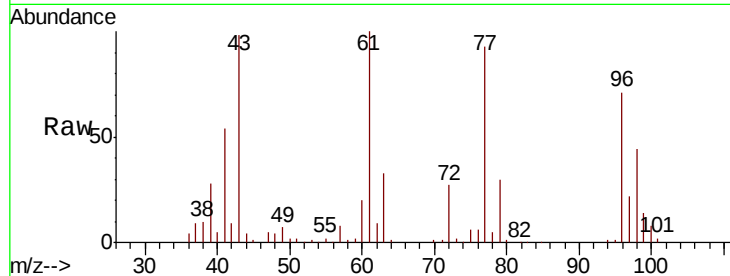
#31
 2,2-Dichloropropane
 Concen: 19.036 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 77 Resp: 237647
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.9 28.3

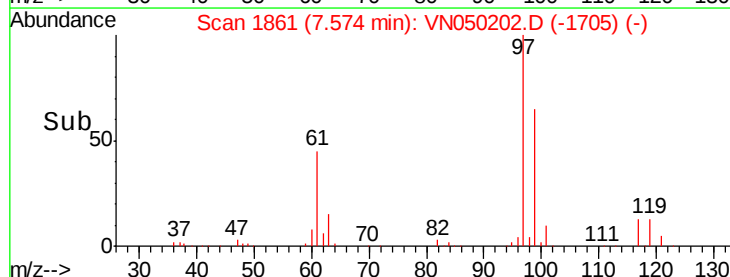
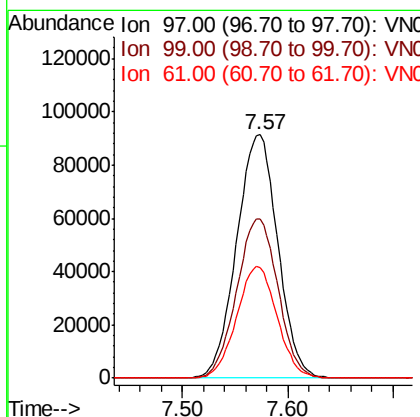
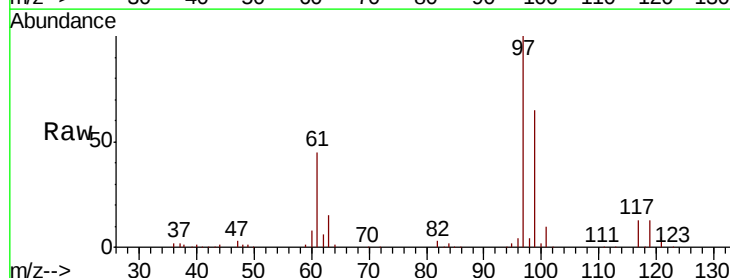
Manual Integrations
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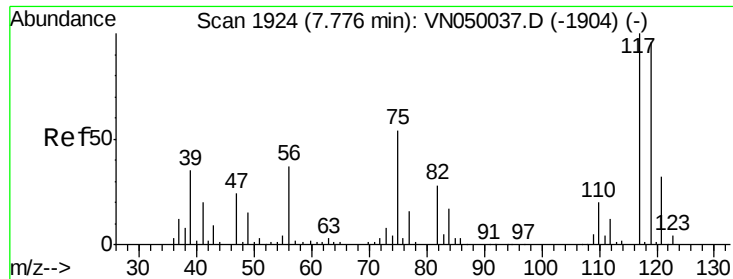
MMDadoda
 8/1/2018 11:13:50 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.674 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 97 Resp: 248239
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.2 76.8
 61 45.1 35.3 52.9





#33

Carbon Tetrachloride

Concen: 18.468 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

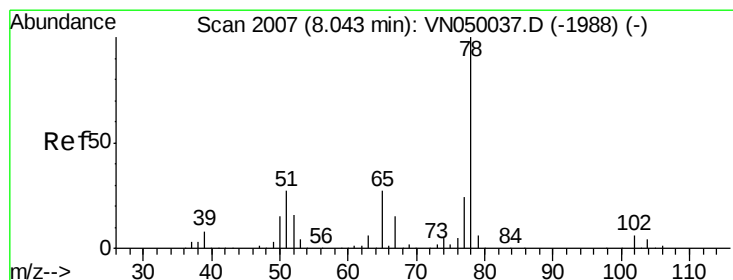
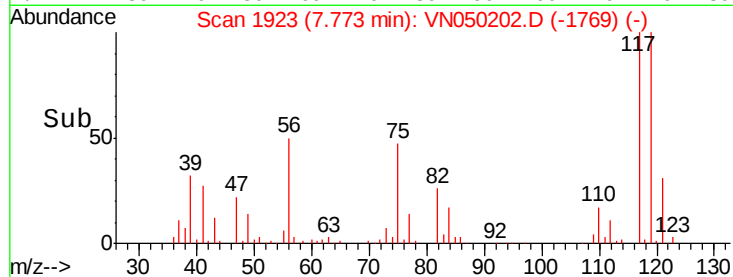
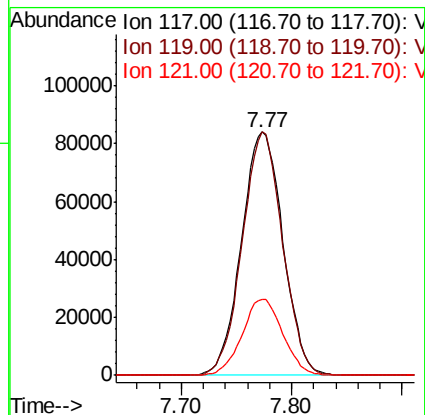
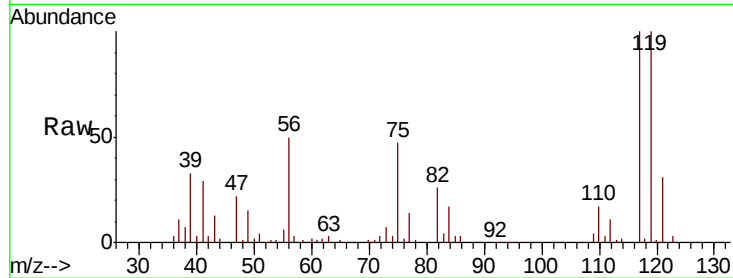
ClientSampled :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.9	115.3
121	31.3	24.4	36.6

Manual Integrations
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MMDadoda
8/1/2018 11:13:50 AM



#34

Benzene

Concen: 18.754 ug/l

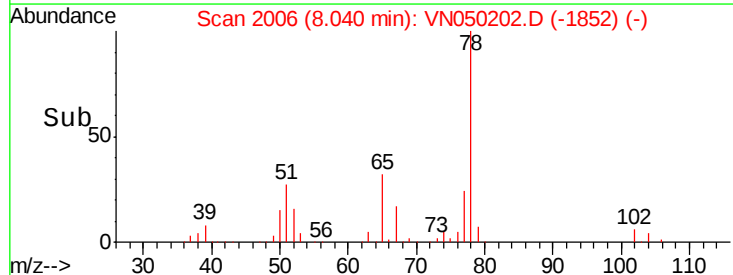
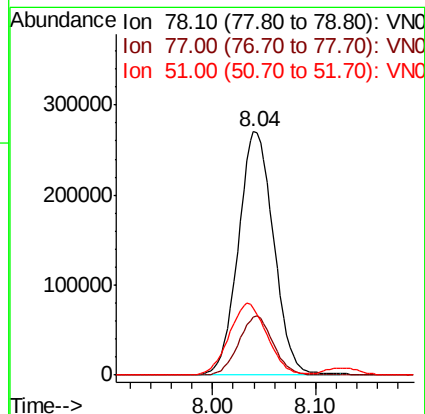
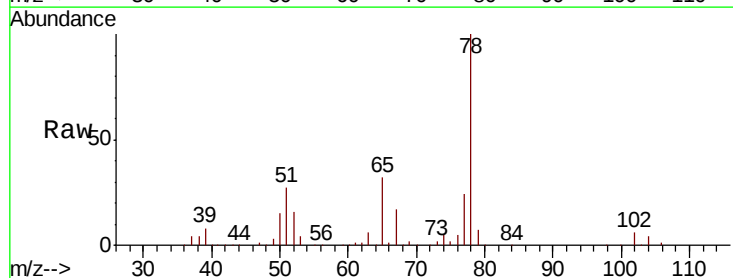
RT: 8.04 min Scan# 2006

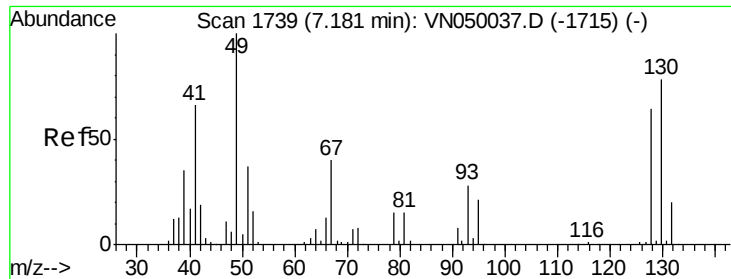
Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7
51	27.4	21.0	31.4





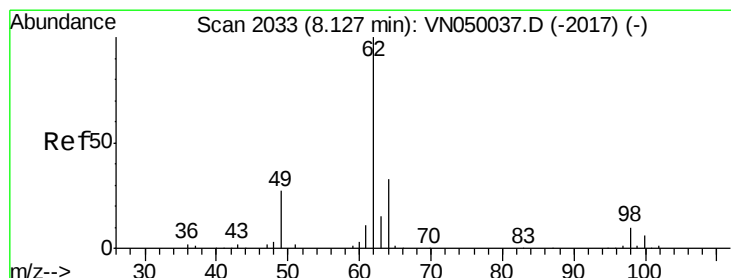
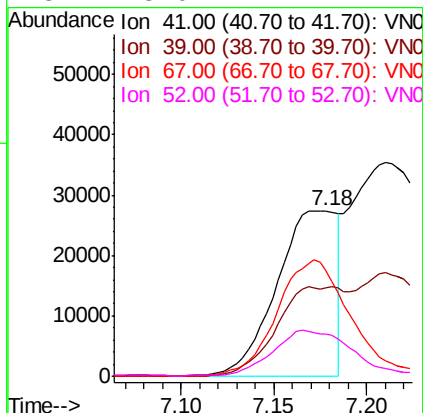
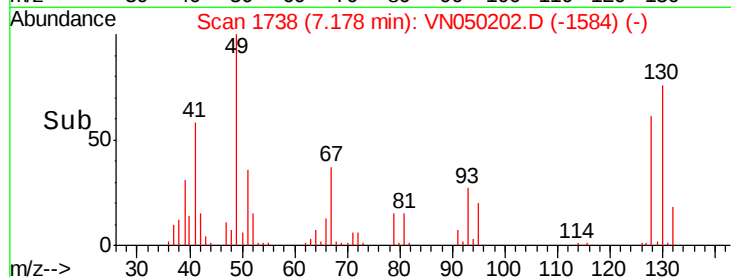
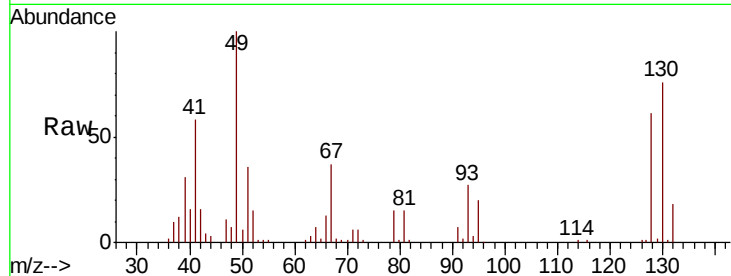
#35
Methacrylonitrile
Concen: 15.432 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	41	Resp	62272
Ion Ratio	Lower	Upper	
41	100		
39	53.5	27.6	82.7
67	63.9	35.1	105.5
52	25.0	14.1	42.4

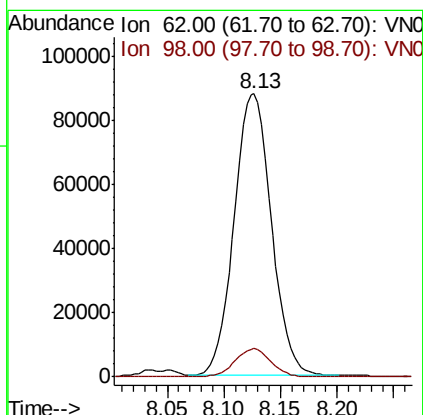
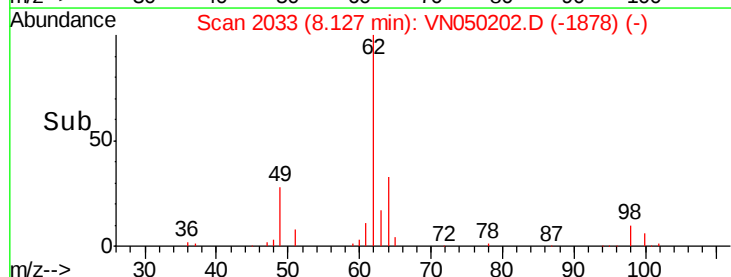
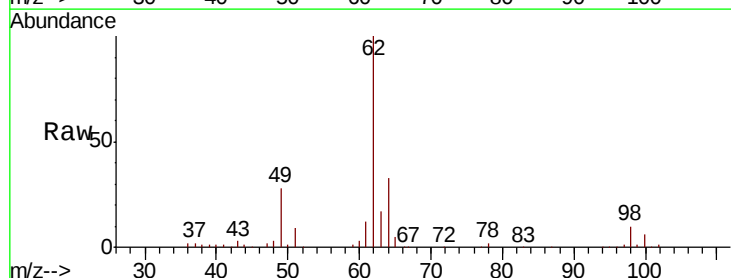
Manual Integrations
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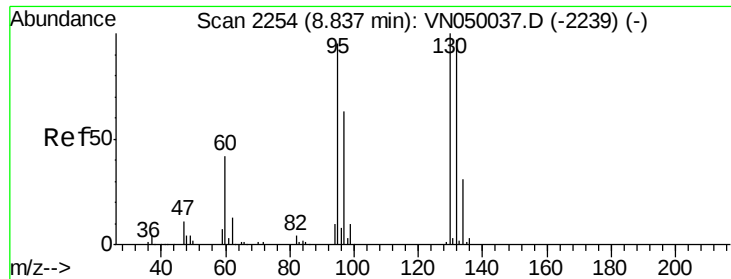
MMDadoda
8/1/2018 11:13:50 AM



#36
1,2-Dichloroethane
Concen: 17.856 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	62	Resp	201092
Ion Ratio	Lower	Upper	
62	100		
98	9.7	7.8	11.6





#37

Trichloroethene

Concen: 18.811 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:130 Resp: 169222

Ion Ratio Lower Upper

130 100

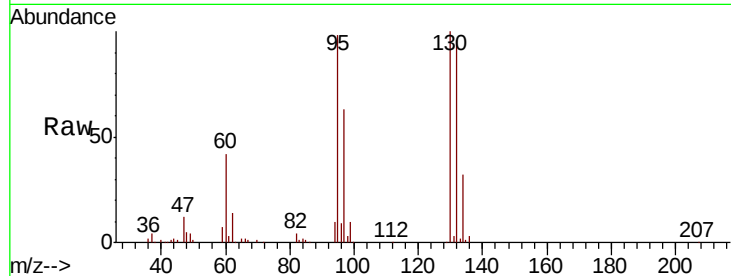
95 98.1 79.7 119.5

Manual Integrations

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8/1/2018 11:13:50 AM



Abundance Ion 129.90 (129.60 to 130.60): VN050037.D (-2239) (-)

Ion 94.90 (94.60 to 95.60): VN050037.D (-2239) (-)

8.83

80000

60000

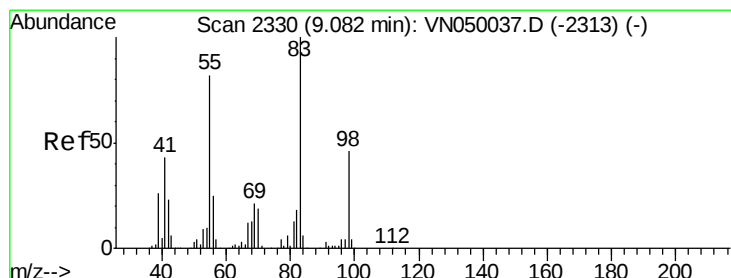
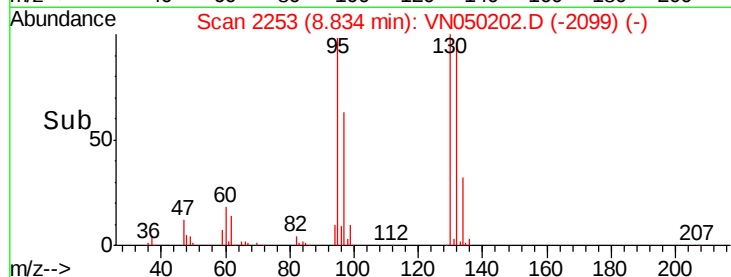
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 18.402 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

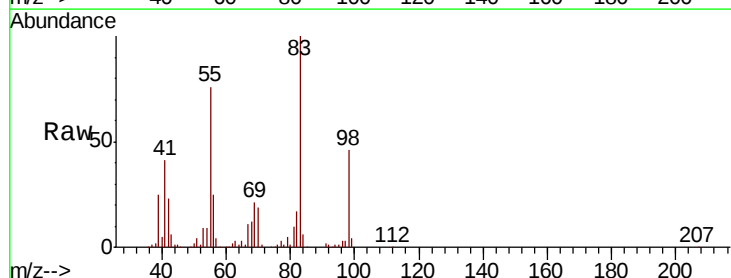
Tgt Ion: 83 Resp: 219096

Ion Ratio Lower Upper

83 100

55 77.0 39.3 117.8

98 46.1 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2313) (-)

Ion 55.00 (54.70 to 55.70): VN050037.D (-2313) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-2313) (-)

9.08

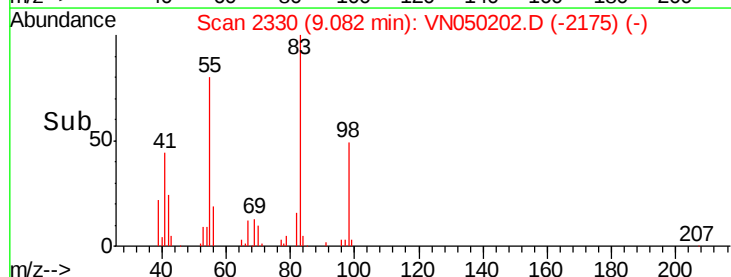
100000

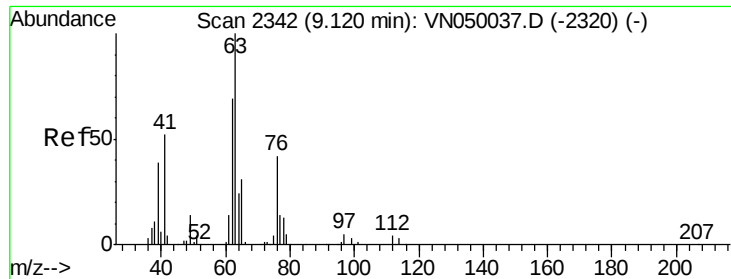
50000

0

9.00 9.10 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 18.764 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 169543

Ion Ratio Lower Upper

63 100

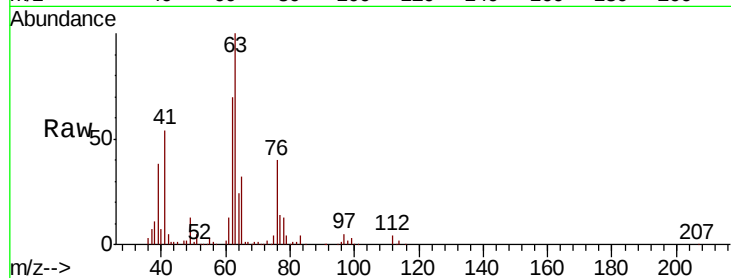
65 31.3 24.2 36.2

Manual Integrations

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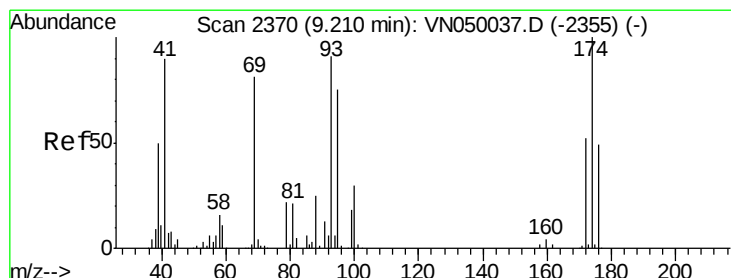
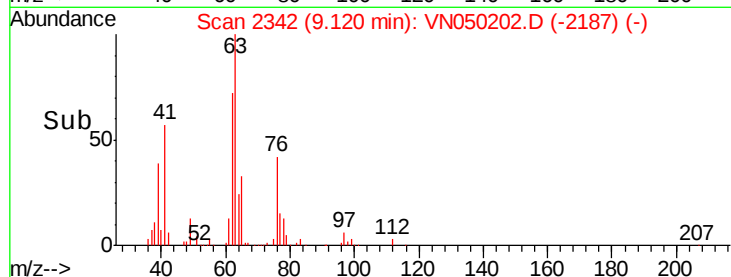
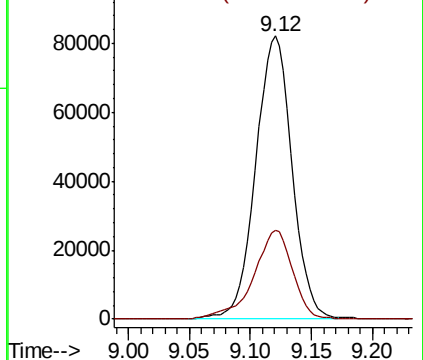
MMDadoda

8/1/2018 11:13:50 AM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 17.857 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

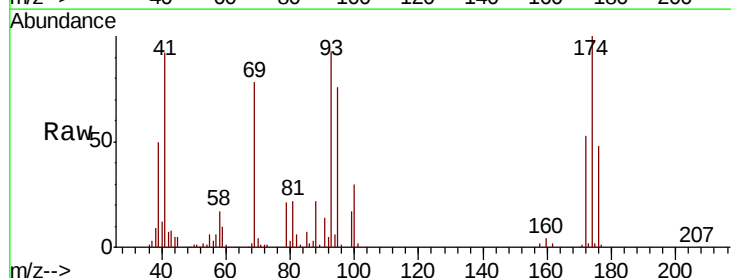
Tgt Ion: 93 Resp: 99720

Ion Ratio Lower Upper

93 100

95 83.6 0.0 165.6

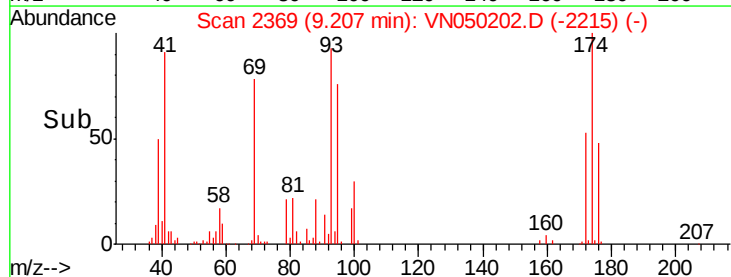
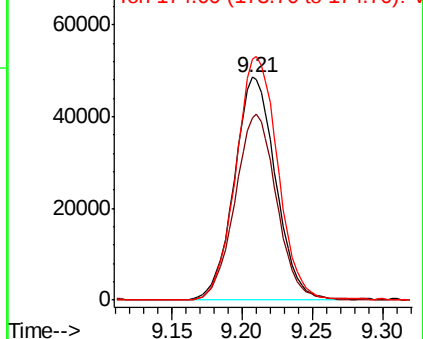
174 110.3 0.0 223.2

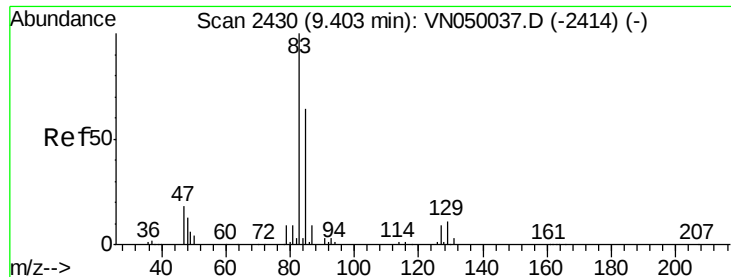


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





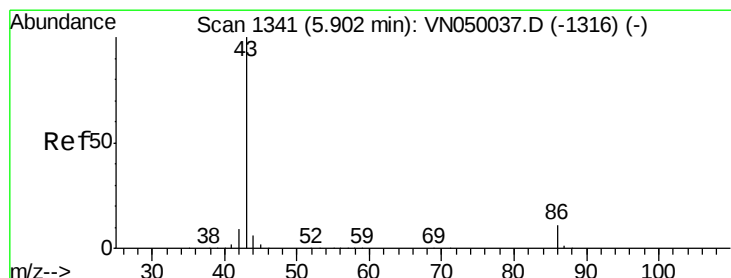
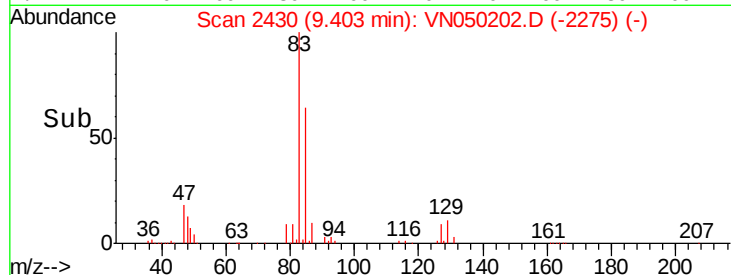
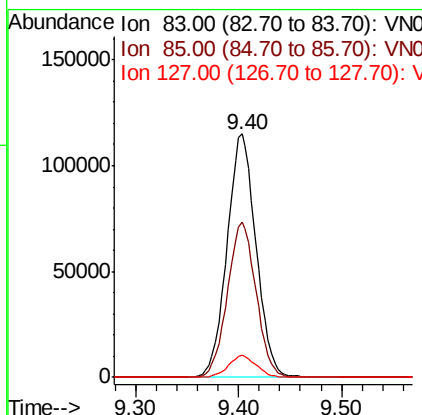
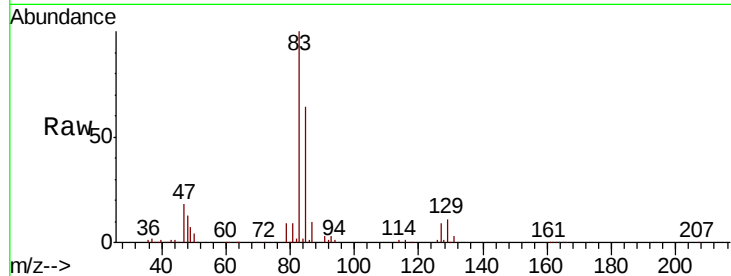
#41
Bromodichloromethane
Concen: 19.103 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	83	Resp	225027
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	52.6	78.8
127	9.0	7.0	10.4

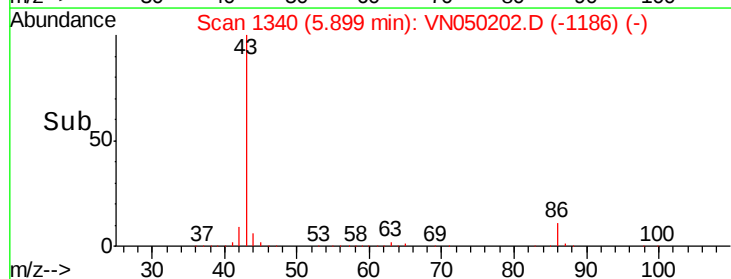
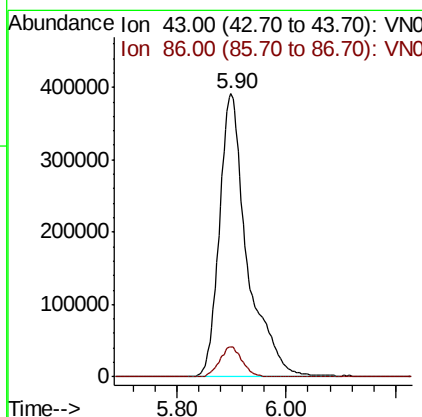
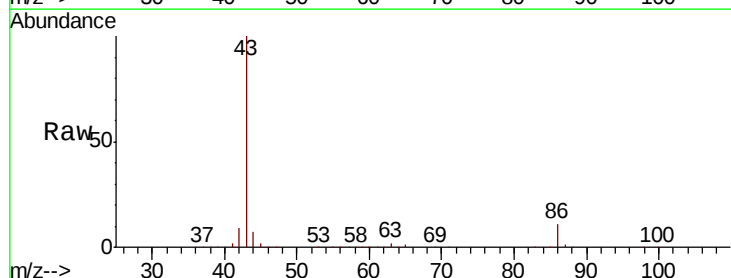
Manual Integrations
APPROVED

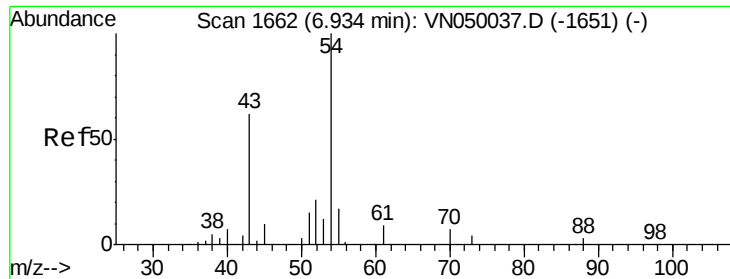
MMDadoda
8/1/2018 11:13:50 AM



#42
Vinyl Acetate
Concen: 83.008 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	43	Resp	1384351
Ion Ratio	100	Lower	Upper
43	100		
86	8.7	7.3	10.9





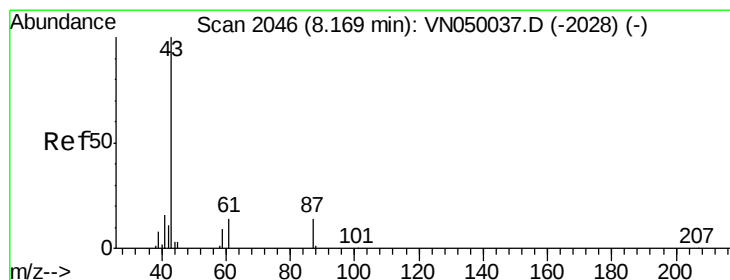
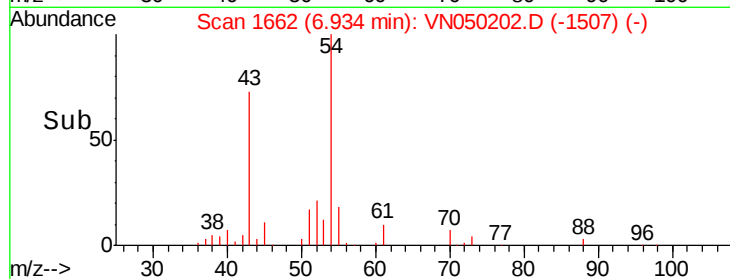
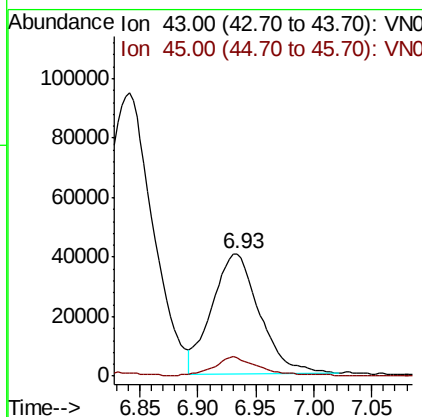
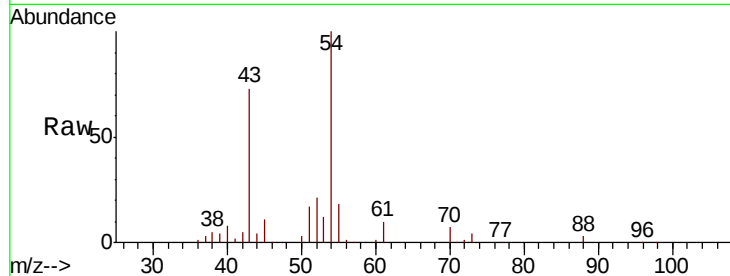
#43
Ethyl Acetate
Concen: 15.631 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	43	45	Ratio	Lower	Upper
115677	100	13.5		13.0	19.6

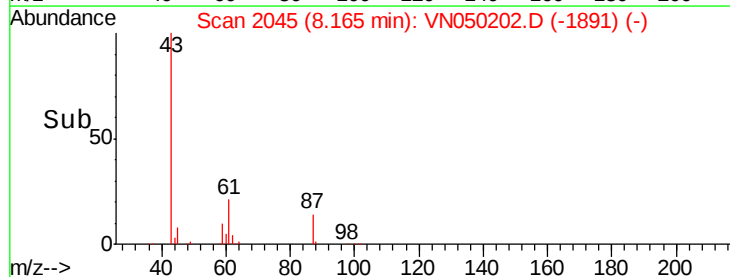
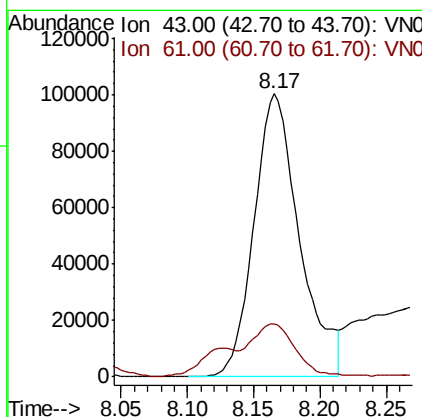
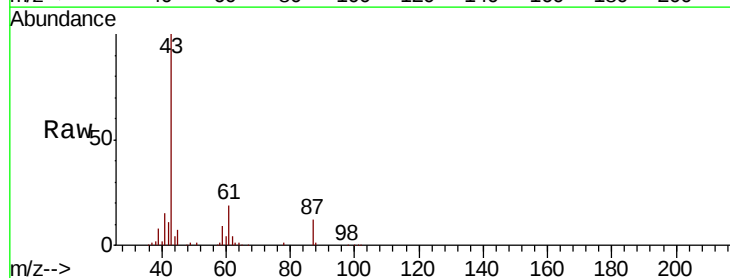
Manual Integrations
APPROVED

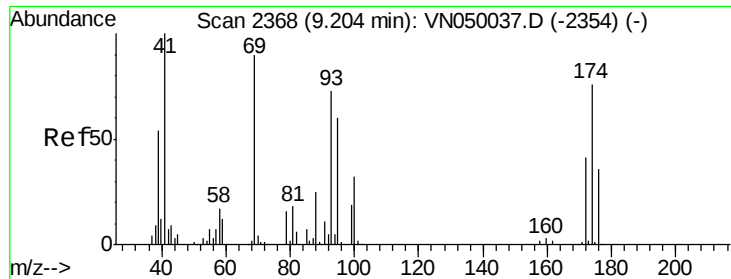
MMDadoda
8/1/2018 11:13:50 AM



#44
Isopropyl Acetate
Concen: 17.549 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	43	61	Ratio	Lower	Upper
240586	100	17.6		16.4	24.6





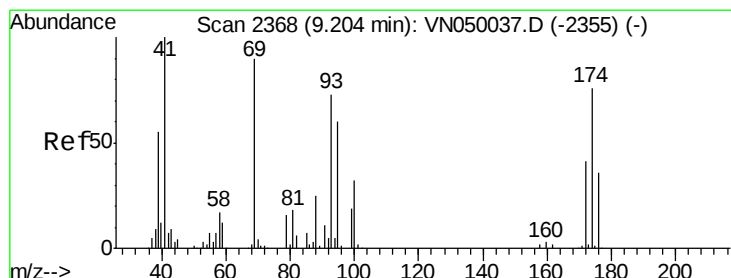
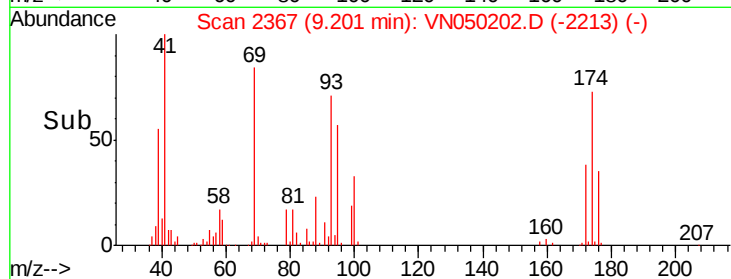
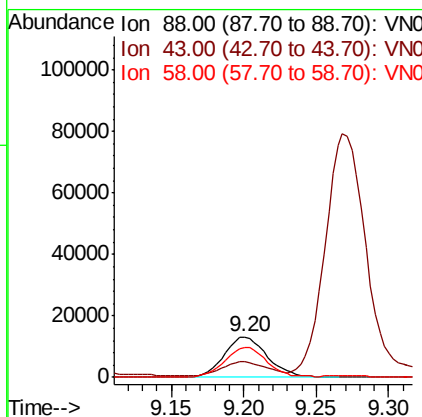
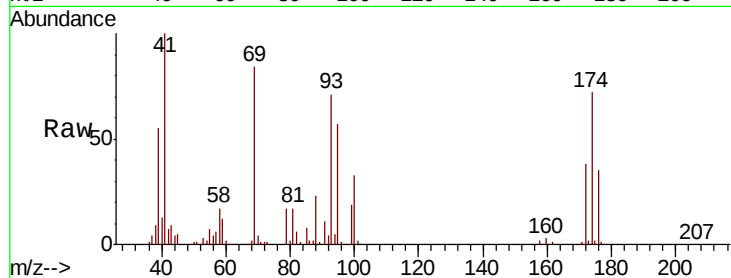
#45
 1,4-Dioxane
 Concen: 303.030 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	26.9	40.3
58	71.1	53.6	80.4

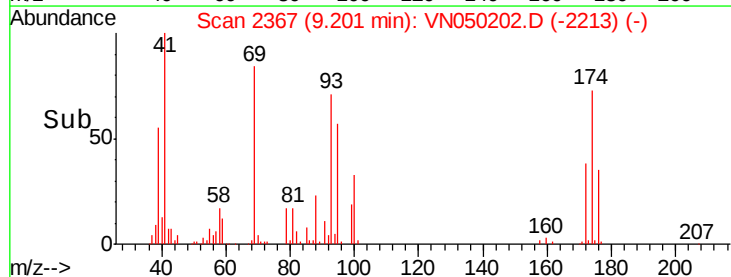
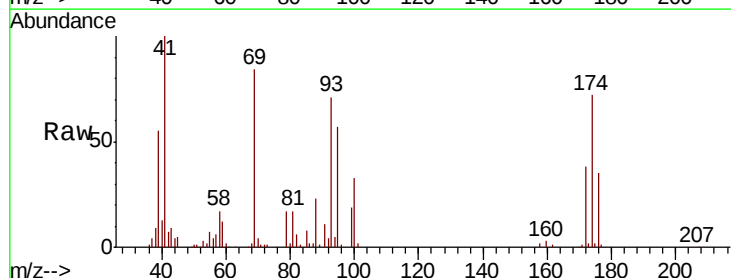
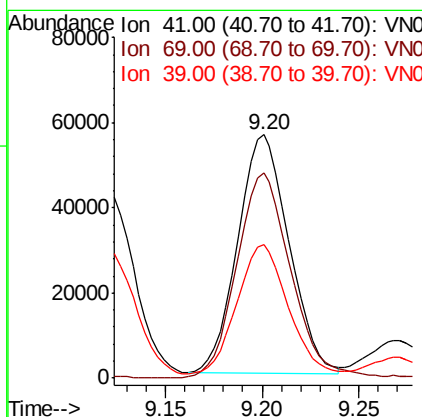
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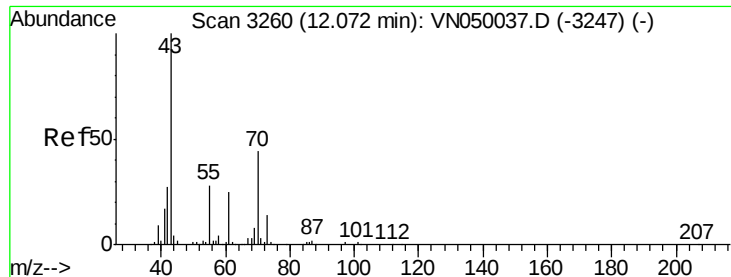
MMDadoda
 8/1/2018 11:13:50 AM



#46
 Methyl methacrylate
 Concen: 15.597 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.4	44.0	132.1
39	54.0	27.0	80.8





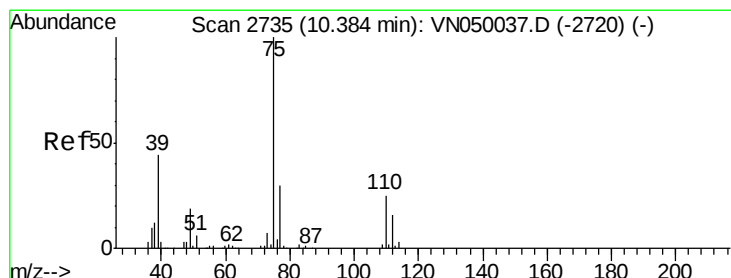
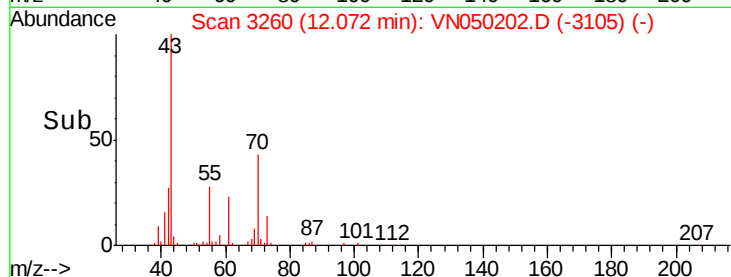
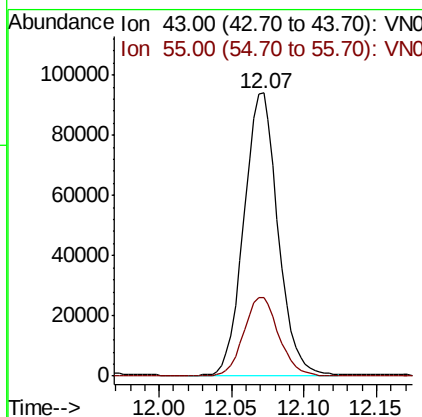
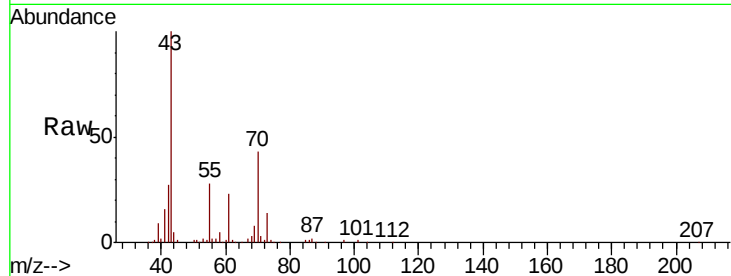
#47
n-amyl Acetate
Concen: 14.360 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	43	Resp	153190
Ion Ratio	43	100	
Lower	21.0		
Upper	31.4		

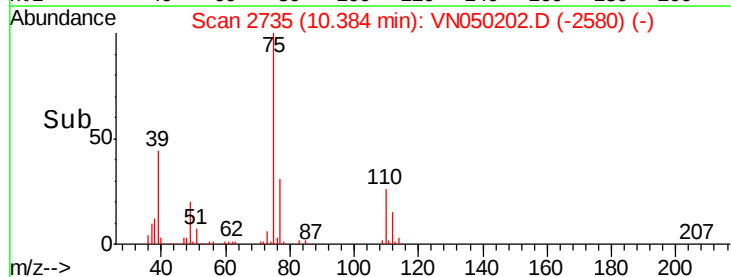
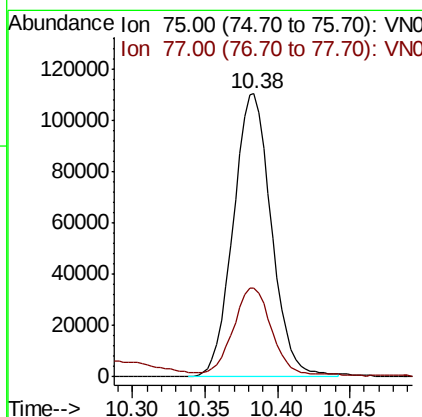
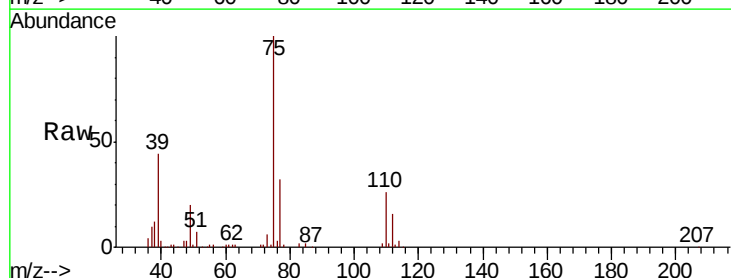
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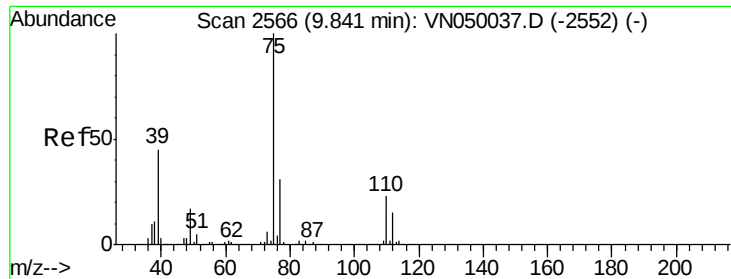
MMDadoda
8/1/2018 11:13:50 AM



#48
t-1,3-Dichloropropene
Concen: 18.013 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	75	Resp	202252
Ion Ratio	75	100	
Lower	24.6		
Upper	37.0		





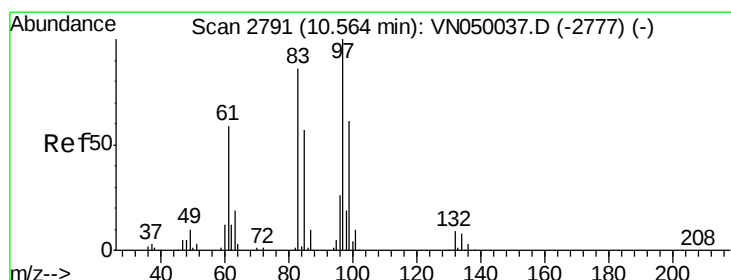
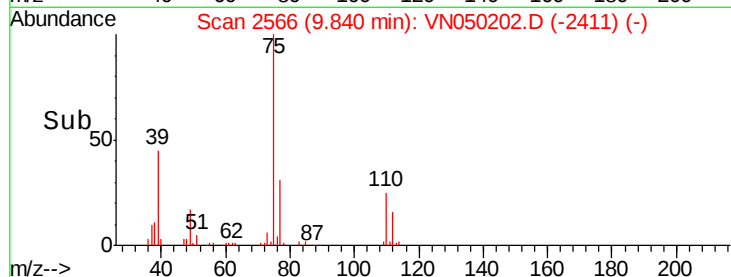
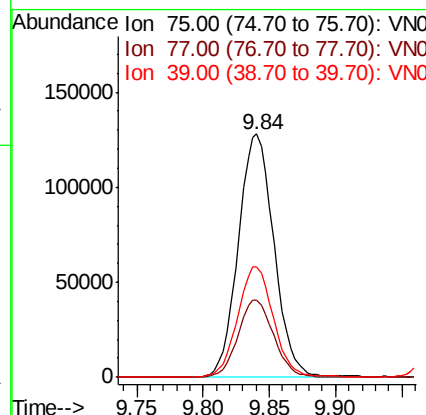
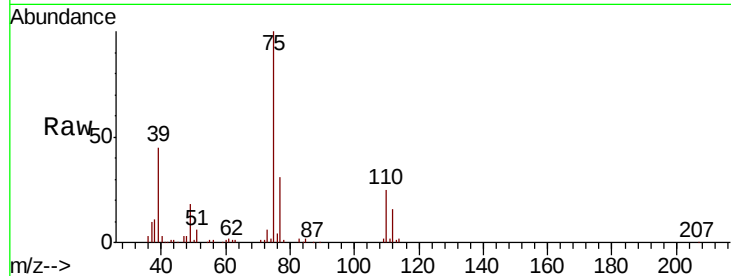
#49
 cis-1,3-Dichloropropene
 Concen: 18.161 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5
39	45.1	36.3	54.5

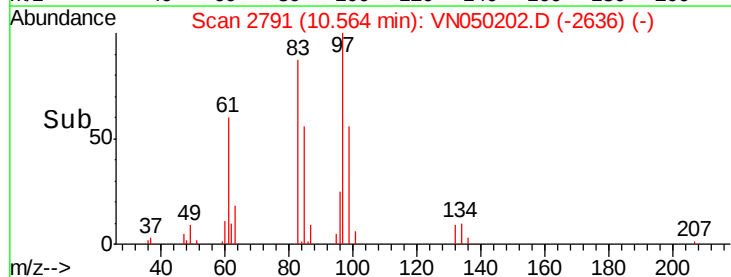
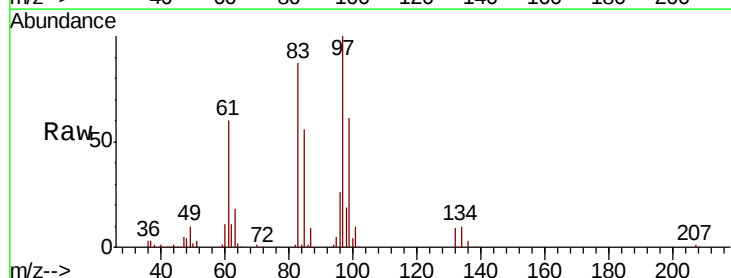
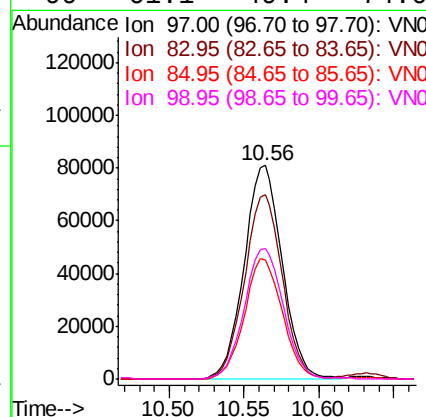
Manual Integrations
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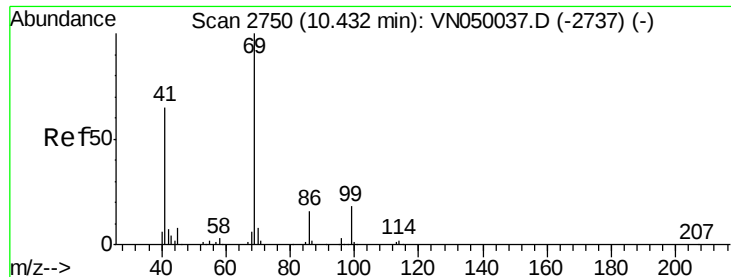
MMDadoda
 8/1/2018 11:13:50 AM



#50
 1,1,2-Trichloroethane
 Concen: 17.925 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	55.8	45.4	68.2
99	61.1	49.4	74.0





#51

Ethyl methacrylate

Concen: 15.981 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

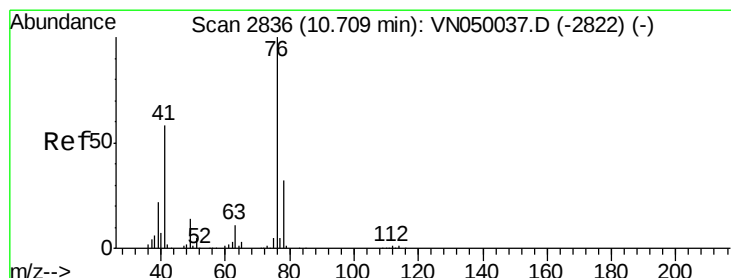
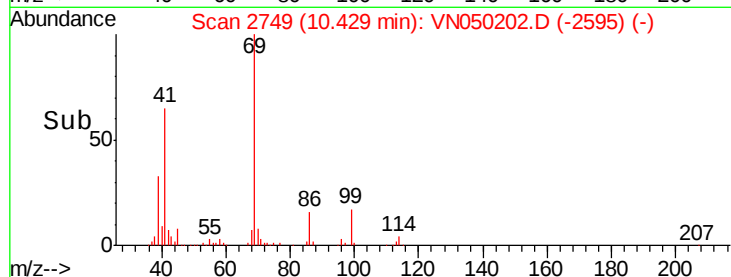
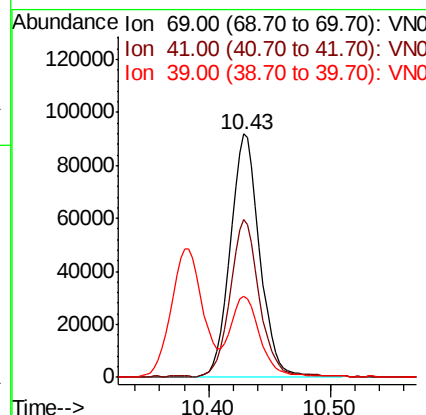
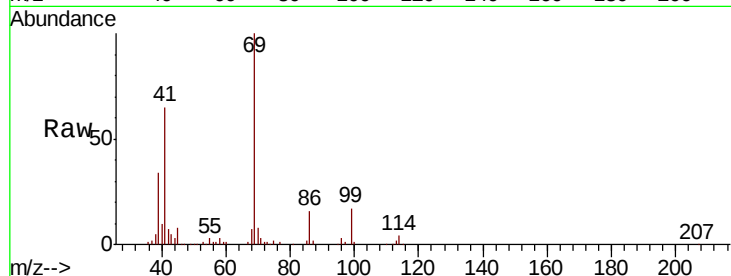
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	155485
Ion	Ratio	Lower	Upper
69	100		
41	64.4	31.9	95.9
39	32.9	16.7	50.1

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MMDadoda
8/1/2018 11:13:50 AM



#52

1,3-Dichloropropane

Concen: 17.862 ug/l

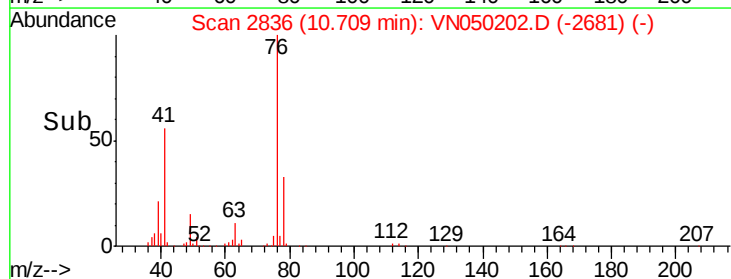
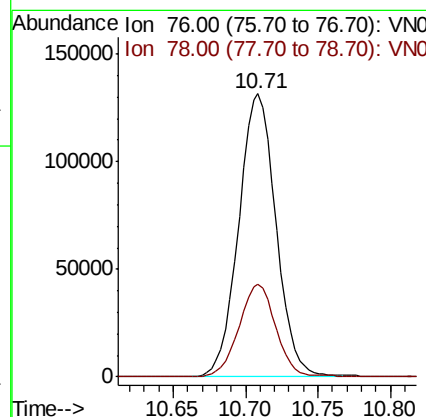
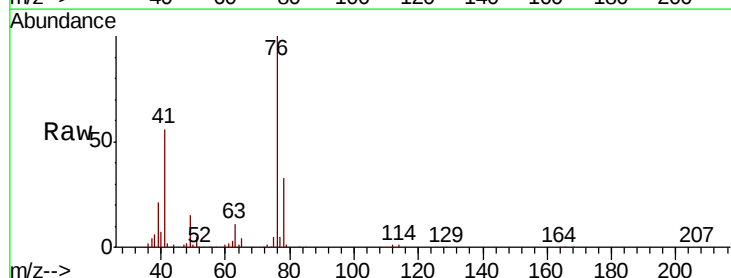
RT: 10.71 min Scan# 2836

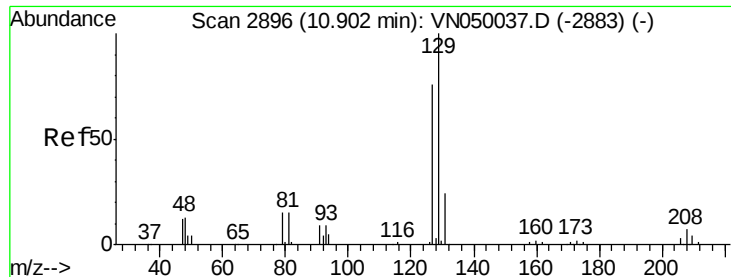
Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Tgt Ion:	76	Resp:	235112
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	65.6





#53

Dibromochloromethane

Concen: 17.906 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:129 Resp: 162893

Ion Ratio Lower Upper

129 100

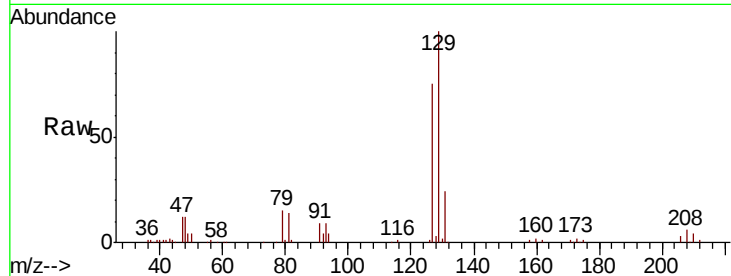
127 75.7 38.1 114.5

Manual Integrations

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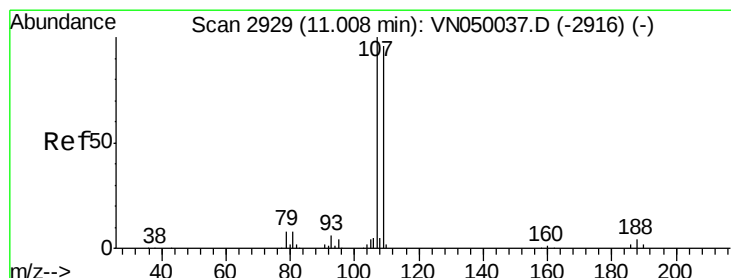
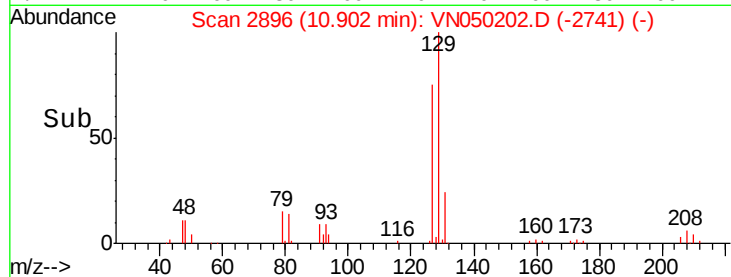
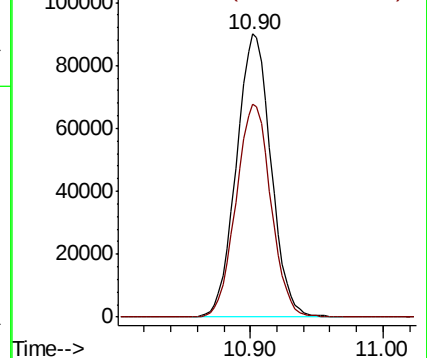
MMDadoda

8/1/2018 11:13:50 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.087 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VN050202.D

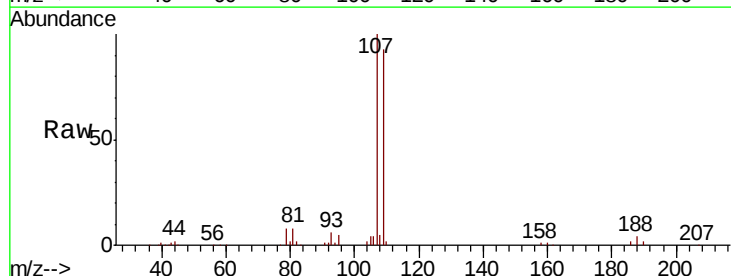
Acq: 31 Jul 2018 8:17

Tgt Ion:107 Resp: 134146

Ion Ratio Lower Upper

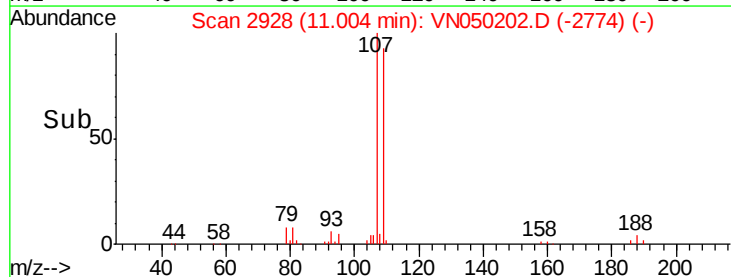
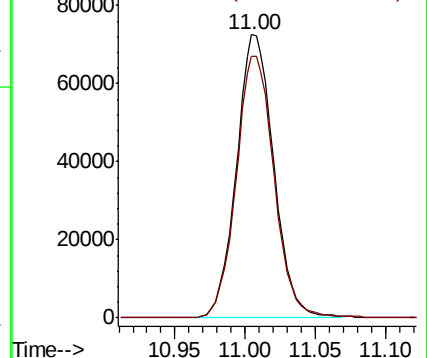
107 100

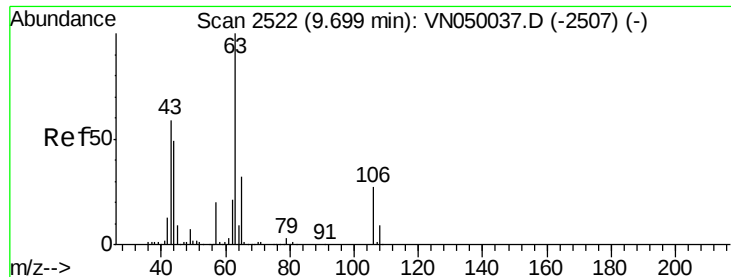
109 94.0 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





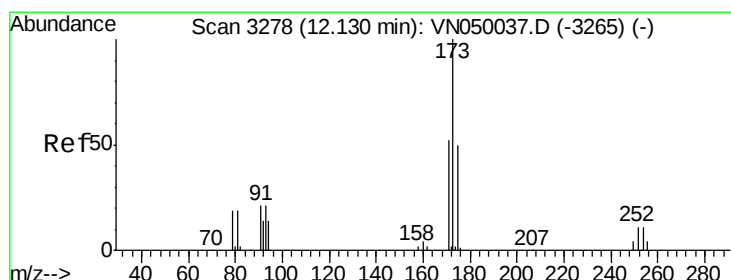
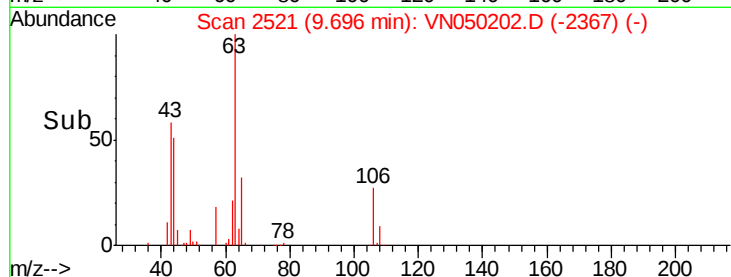
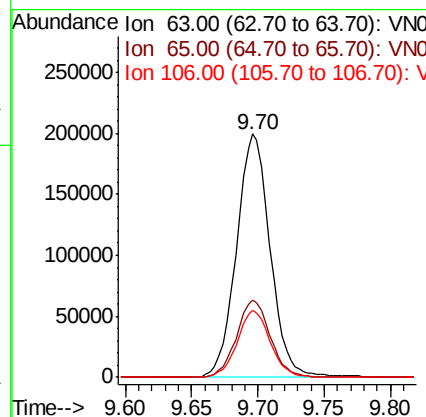
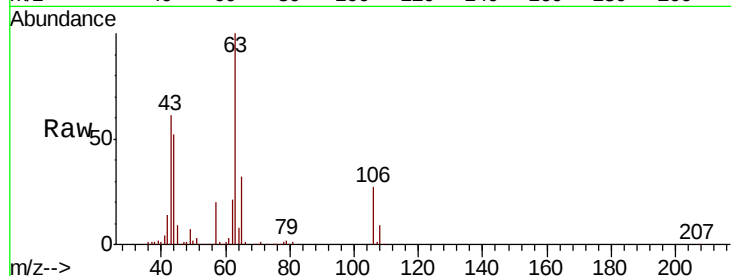
#55
2-Chloroethyl vinyl ether
Concen: 79.638 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.5	38.3
106	27.0	21.8	32.6

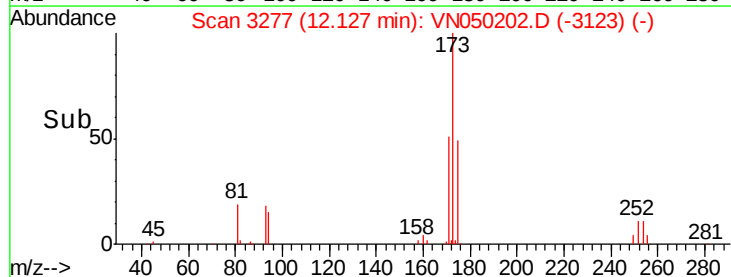
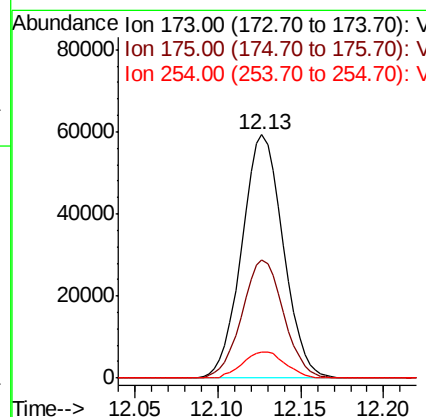
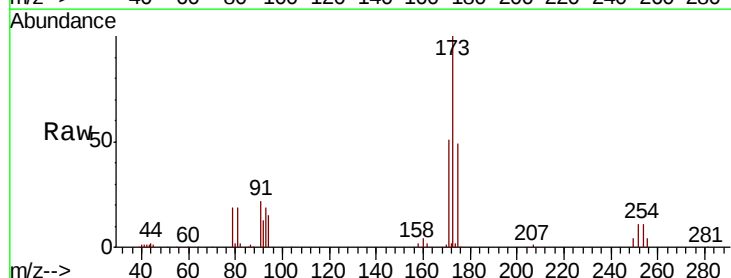
Manual Integrations
APPROVED

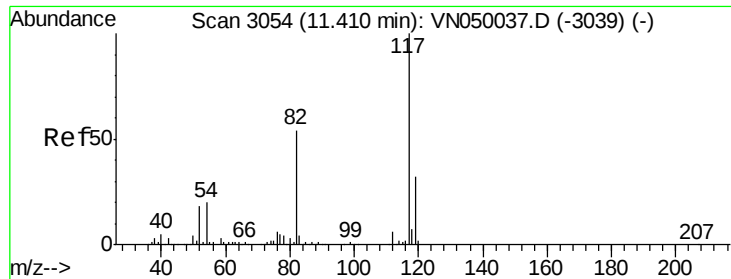
MMDadoda
8/1/2018 11:13:50 AM



#56
Bromoform
Concen: 16.038 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	57.8
254	11.0	8.8	13.2





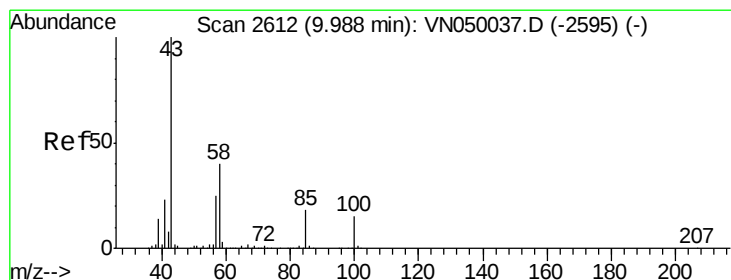
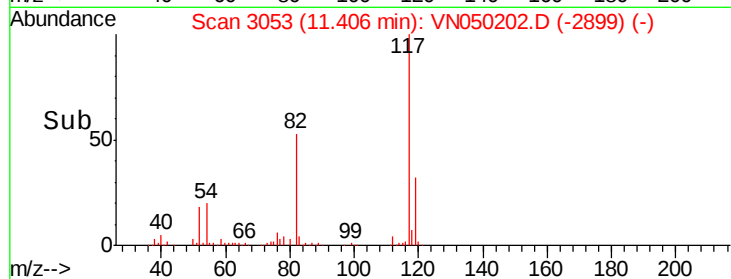
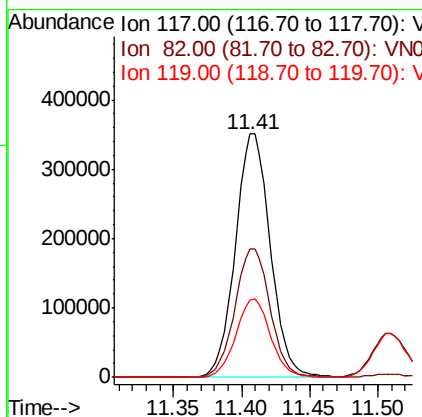
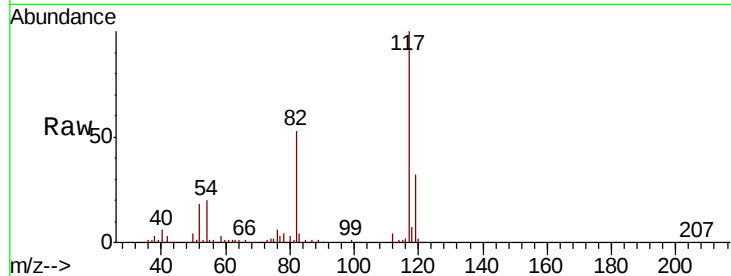
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	53.3	42.4	63.6
119	31.8	25.4	38.0

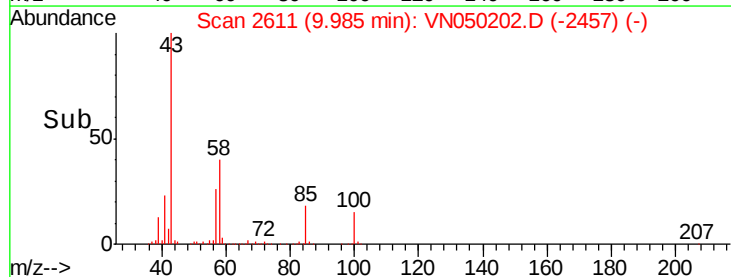
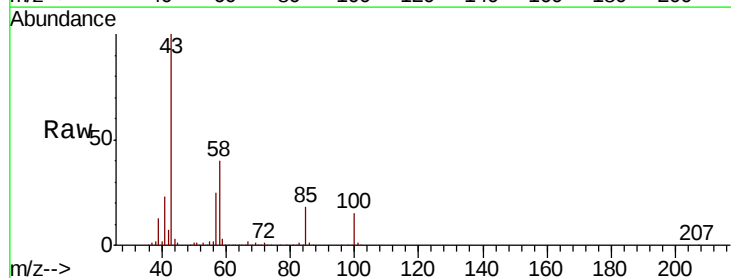
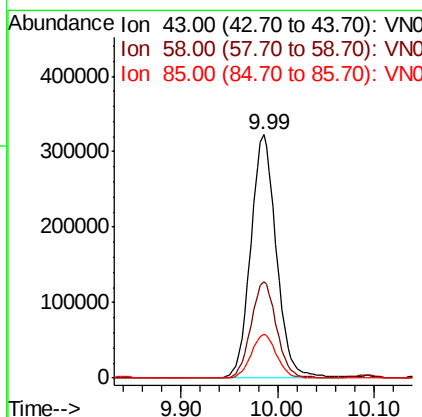
Manual Integrations
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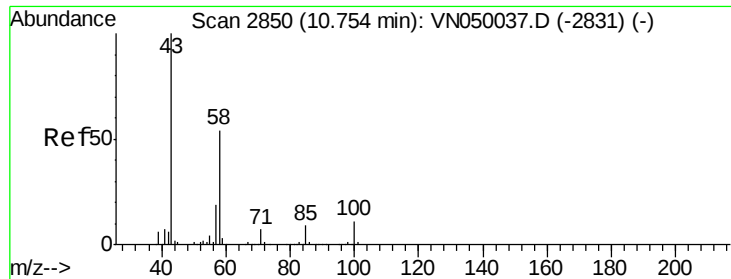
MMDadoda
8/1/2018 11:13:50 AM



#58
4-Methyl-2-Pentanone
Concen: 81.171 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	39.7	31.2	46.8
85	18.0	14.4	21.6





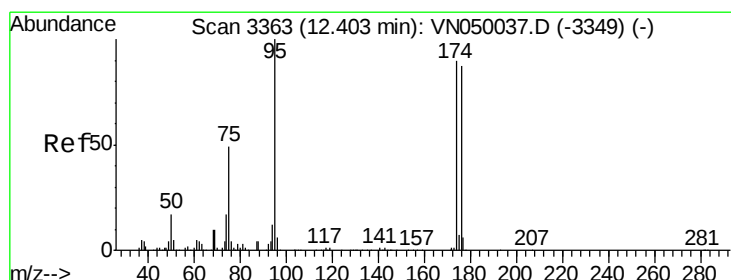
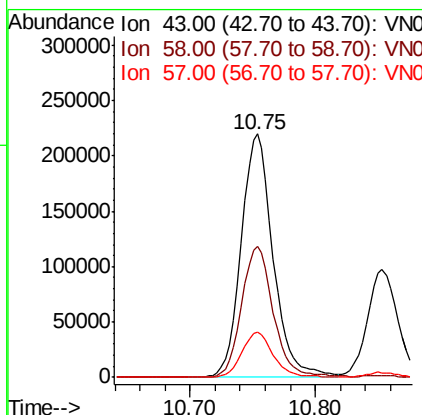
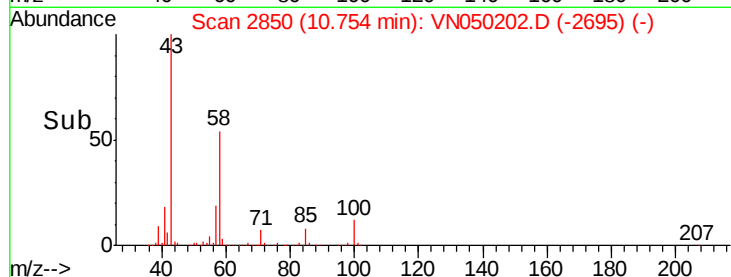
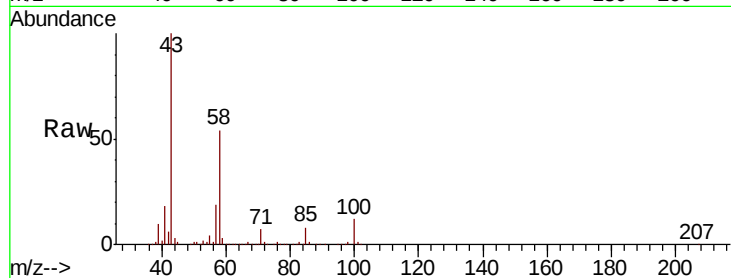
#59
2-Hexanone
Concen: 78.123 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.8	65.8
57	18.4	15.1	22.7

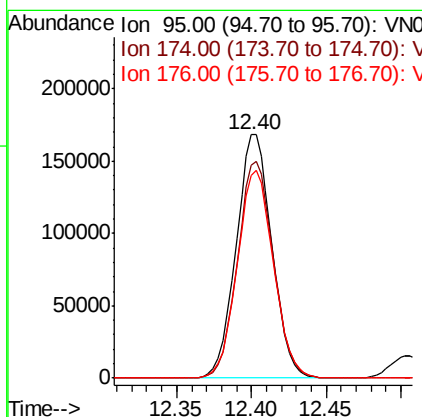
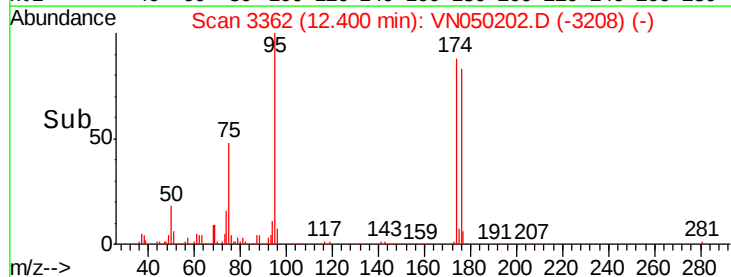
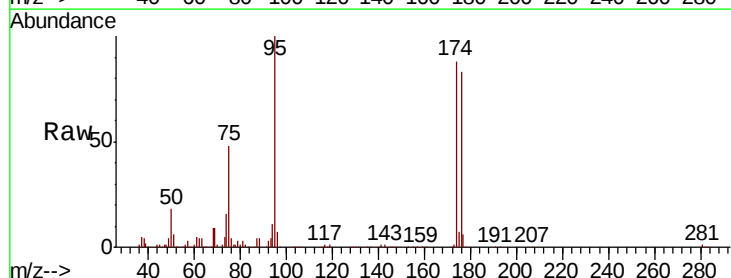
Manual Integrations
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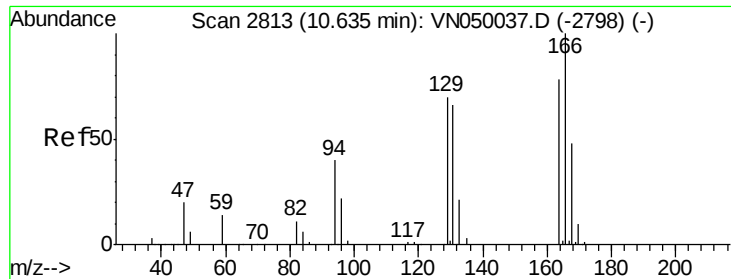
MMDadoda
8/1/2018 11:13:50 AM



#60
4-Bromofluorobenzene
Concen: 29.077 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	72.3	108.5
176	86.7	70.0	105.0





#61

Tetrachloroethene

Concen: 18.980 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:164 Resp: 160399

Ion Ratio Lower Upper

164 100

166 130.4 100.0 150.0

129 90.5 69.3 103.9

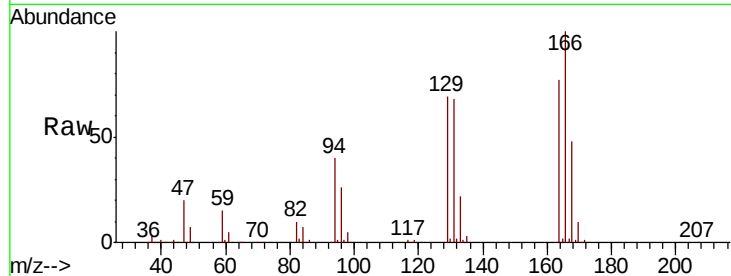
131 88.4 68.8 103.2

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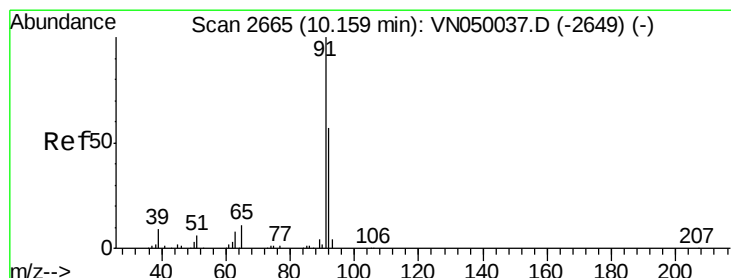
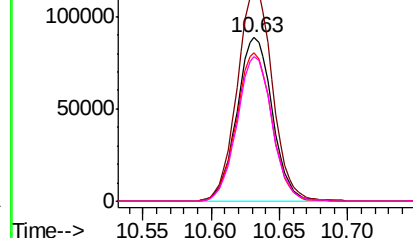
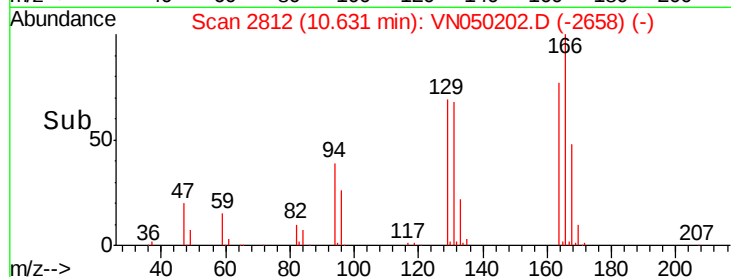


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.319 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050202.D

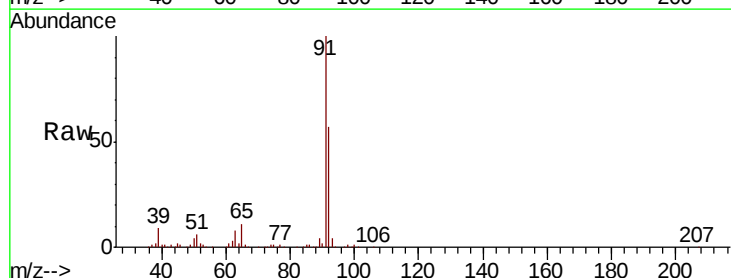
Acq: 31 Jul 2018 8:17

Tgt Ion: 91 Resp: 687705

Ion Ratio Lower Upper

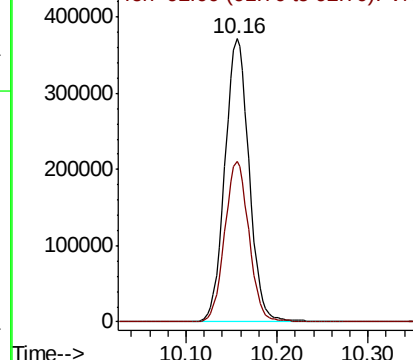
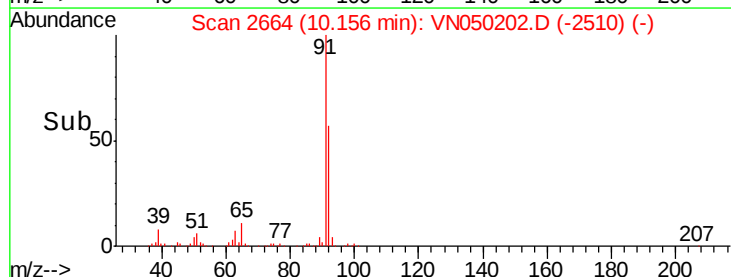
91 100

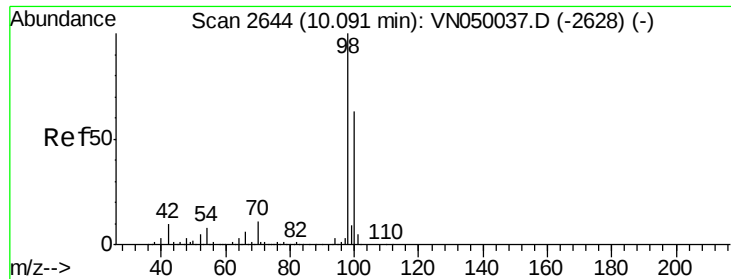
92 56.8 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.454 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 98 Resp: 907583

Ion Ratio Lower Upper

98 100

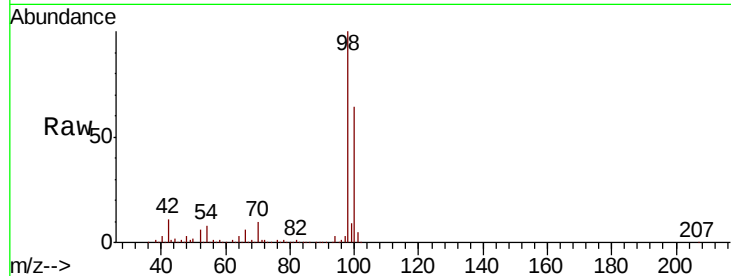
100 63.5 51.2 76.8

Manual Integrations

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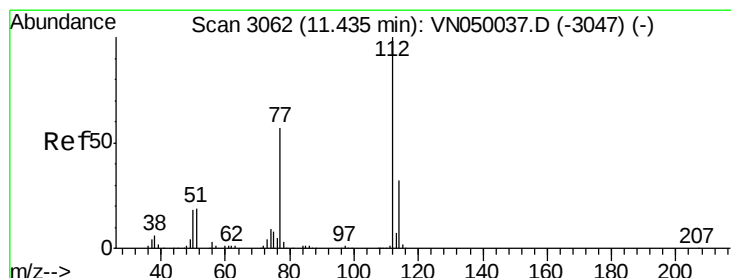
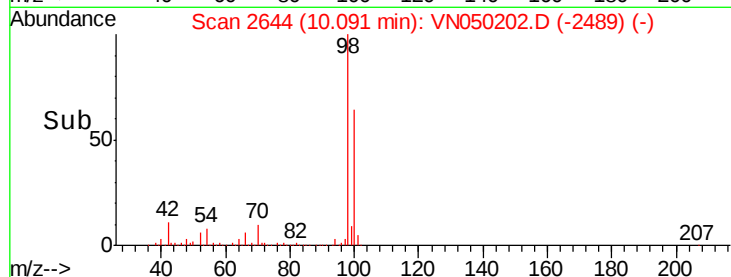
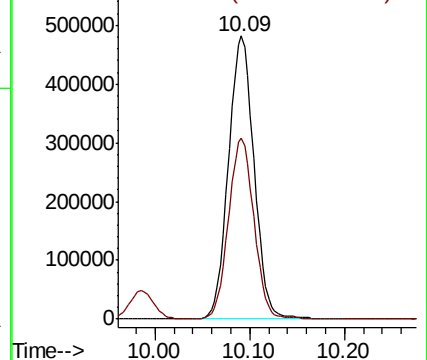
MMDadoda

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Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-2628) (-)



#64

Chlorobenzene

Concen: 19.357 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050202.D

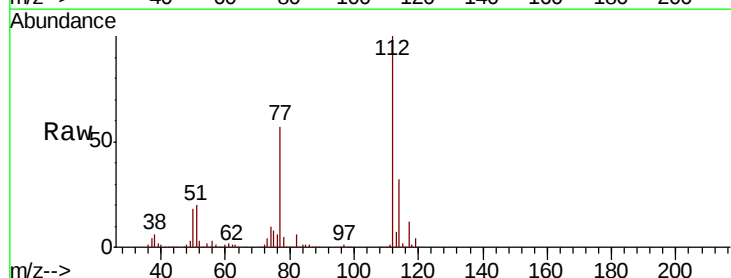
Acq: 31 Jul 2018 8:17

Tgt Ion: 112 Resp: 417841

Ion Ratio Lower Upper

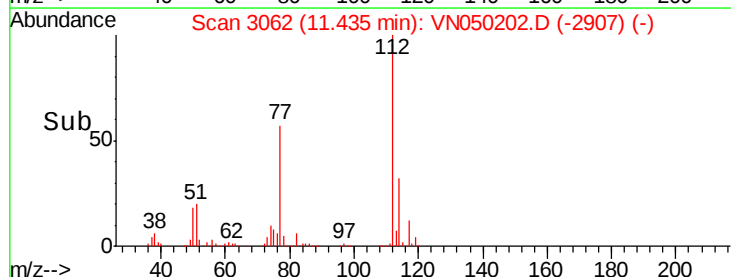
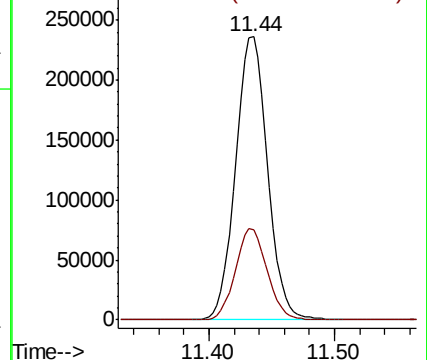
112 100

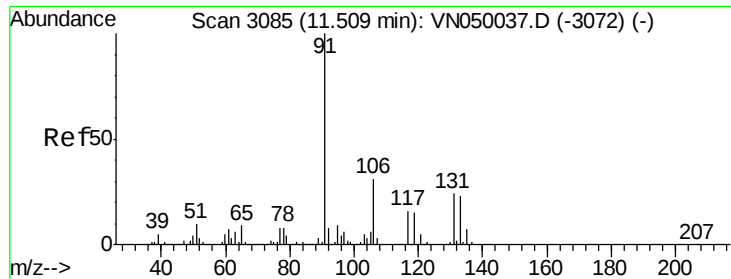
114 31.7 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN050037.D (-3047) (-)

Ion 114.00 (113.70 to 114.70): VN050037.D (-3047) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.160 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

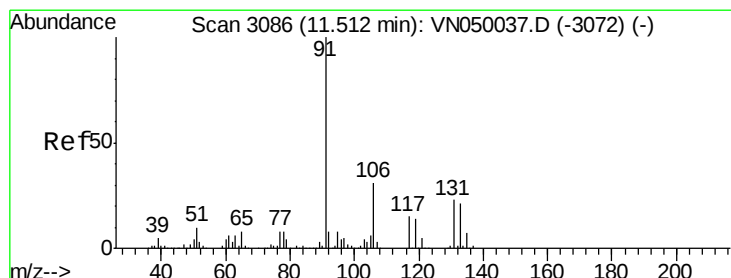
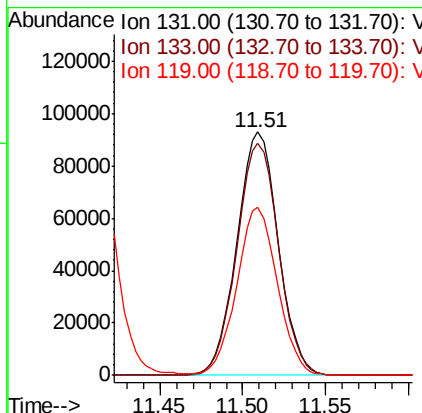
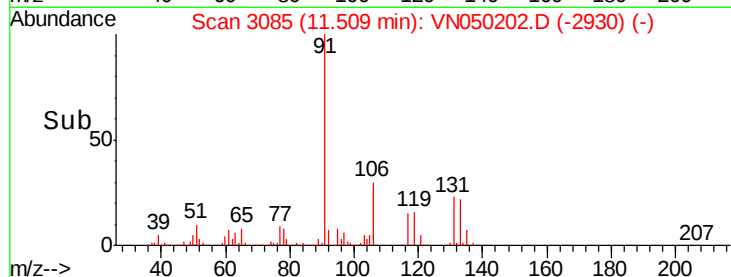
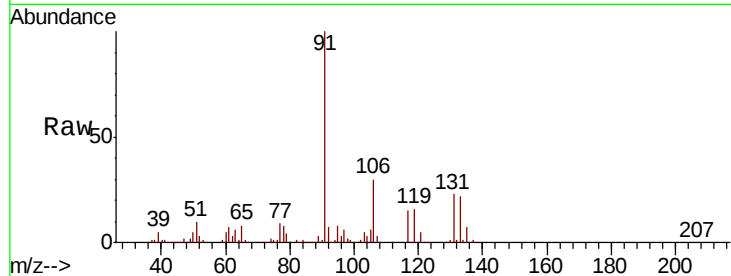
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	161321
Ion Ratio	Lower	Upper	
131	100		
133	96.3	0.0	190.0
119	67.7	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.009 ug/l

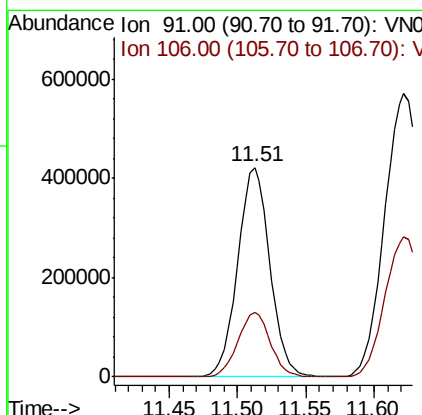
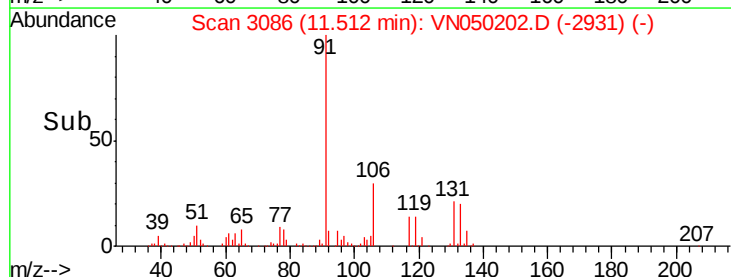
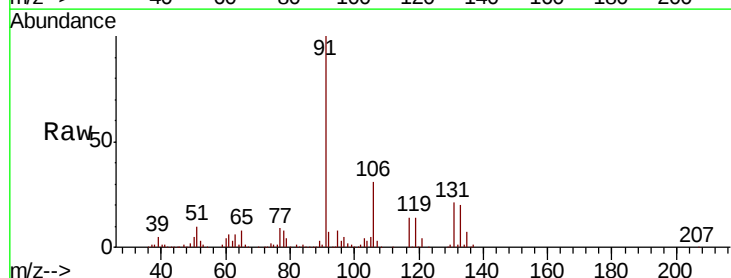
RT: 11.51 min Scan# 3086

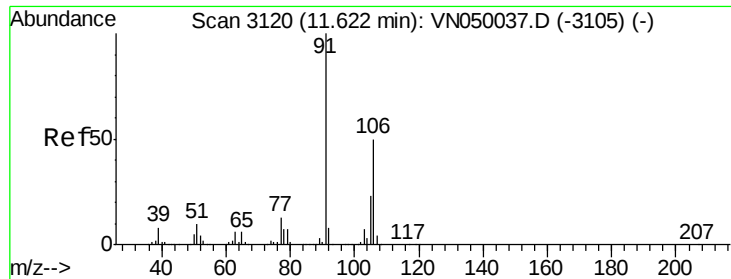
Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Tgt Ion:	91	Resp:	691513
Ion Ratio	Lower	Upper	
91	100		
106	31.1	25.1	37.7





#67

m/p-Xylenes

Concen: 38.641 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 540965

Ion Ratio Lower Upper

106 100

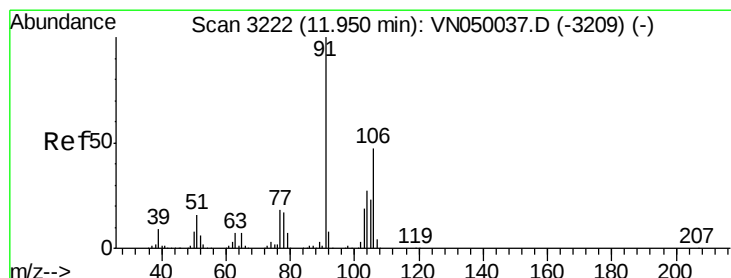
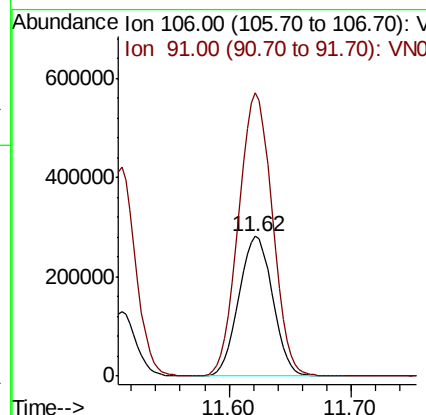
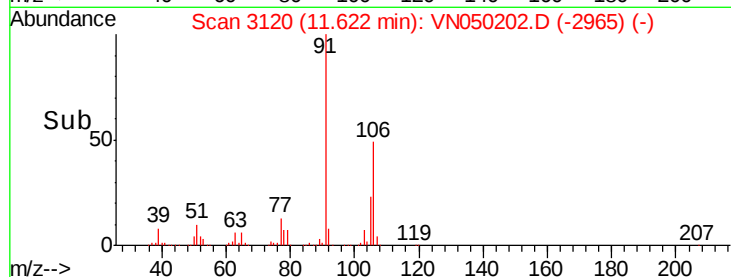
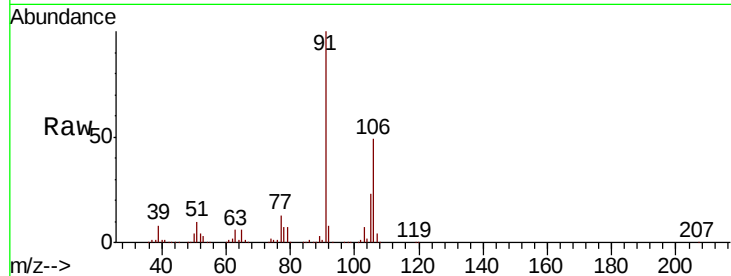
91 202.9 162.5 243.7

Manual Integrations

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#68

o-Xylene

Concen: 19.004 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN050202.D

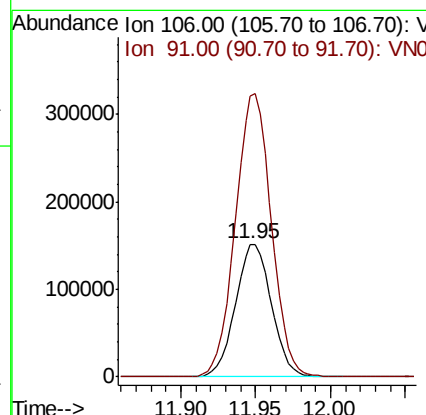
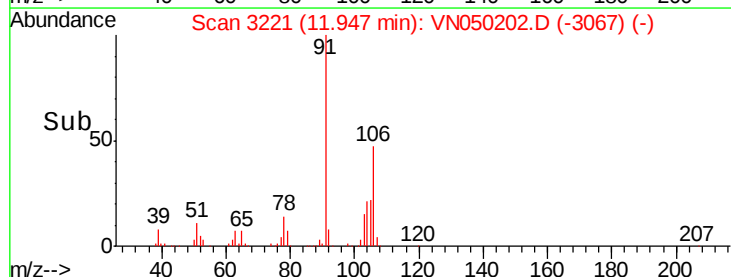
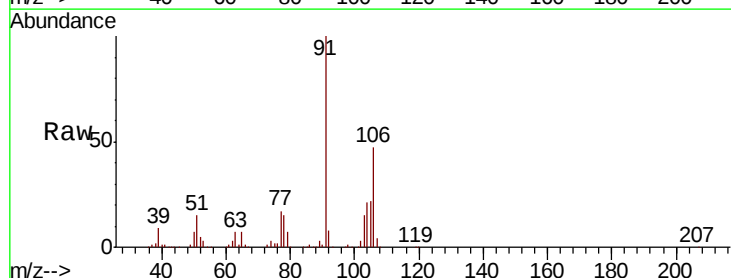
Acq: 31 Jul 2018 8:17

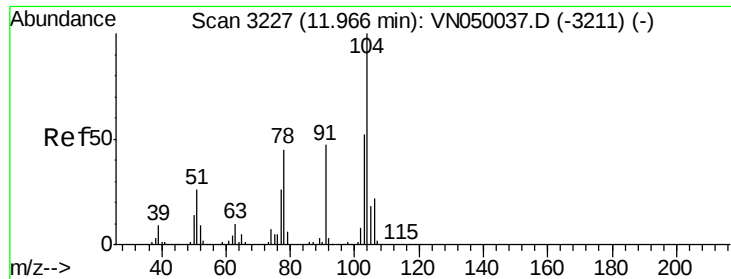
Tgt Ion:106 Resp: 253125

Ion Ratio Lower Upper

106 100

91 213.6 106.8 320.4





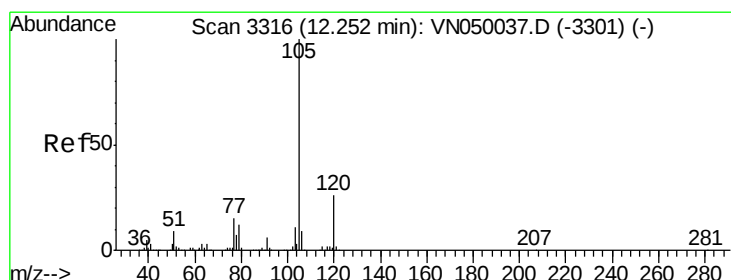
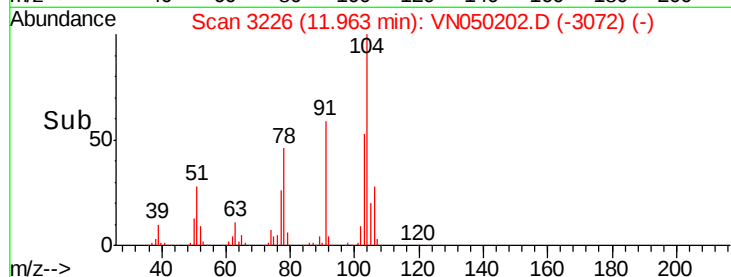
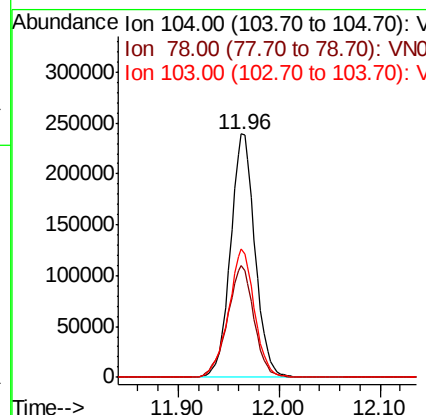
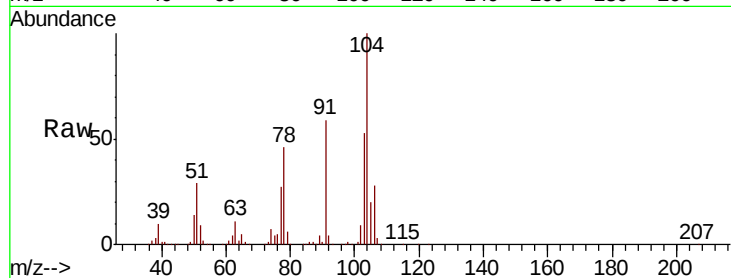
#69
Stvrene
Concen: 18.961 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.3	58.9
103	56.0	44.5	66.7

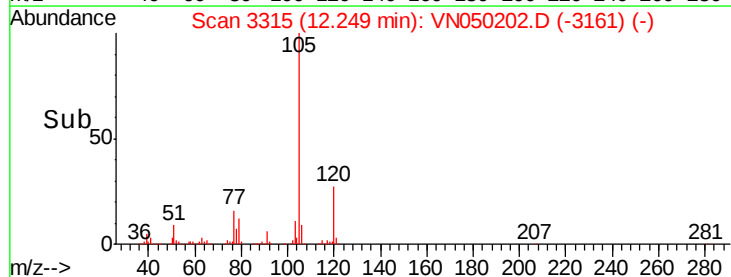
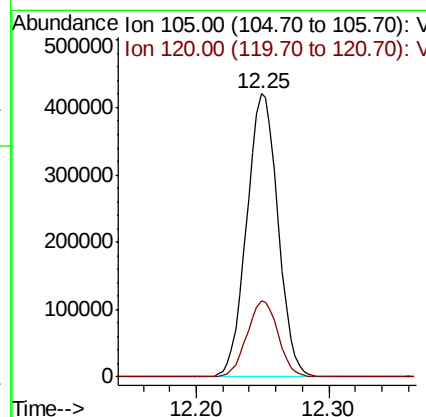
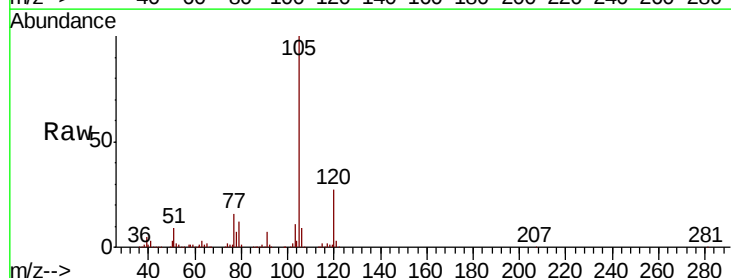
Manual Integrations
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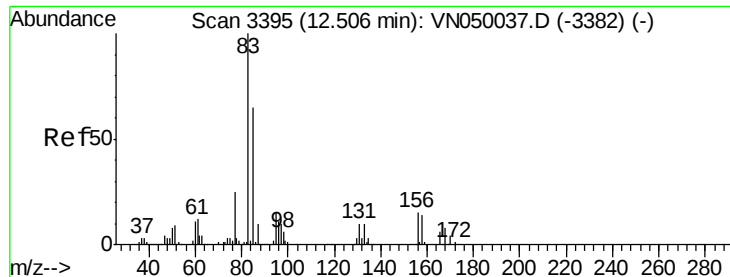
MMDadoda
8/1/2018 11:13:50 AM



#70
Isopropylbenzene
Concen: 19.371 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.9	35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 17.205 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 167575
Ion Ratio Lower Upper

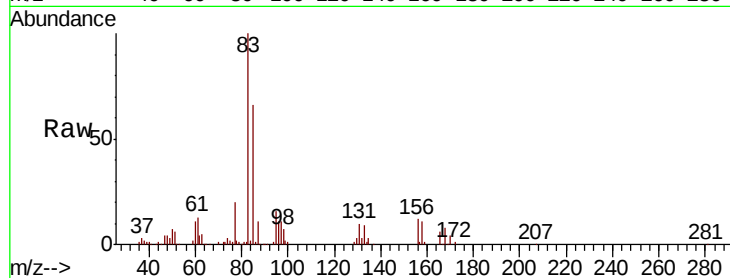
83 100

131 10.7 5.2 15.6

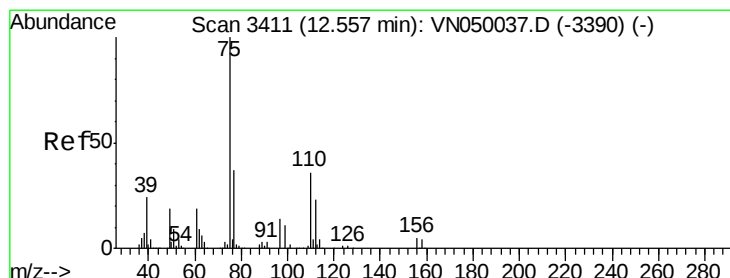
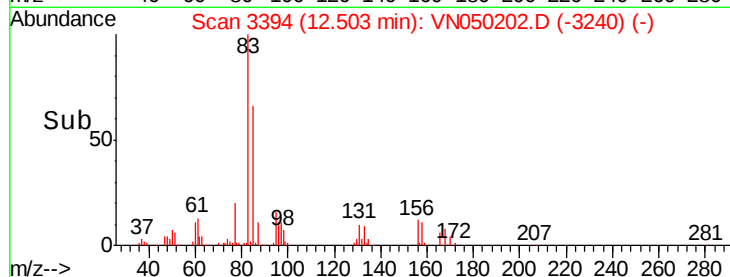
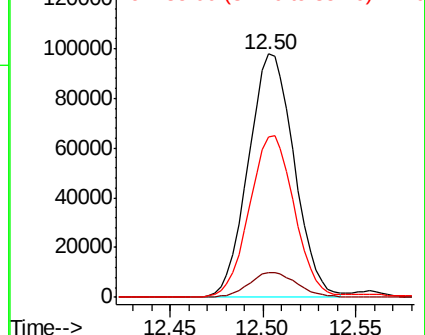
85 65.2 31.7 95.1

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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 16.692 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

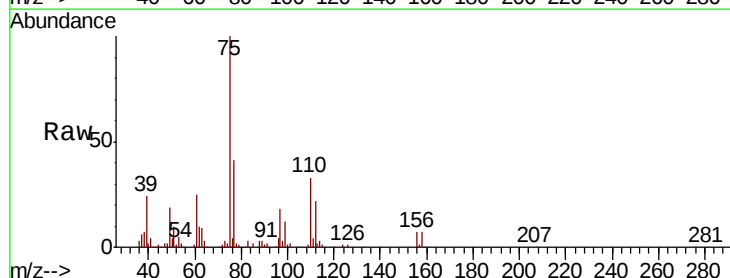
Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

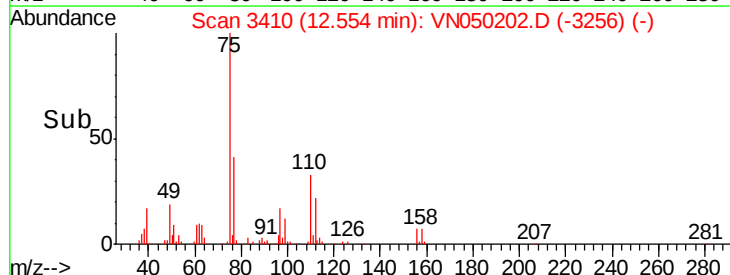
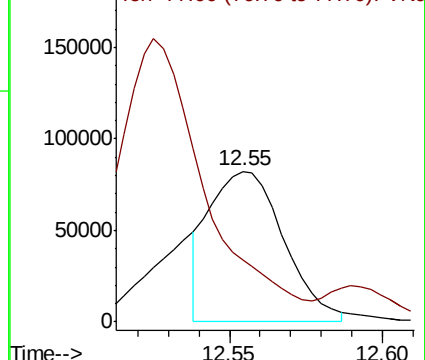
Tgt Ion: 75 Resp: 138856
Ion Ratio Lower Upper

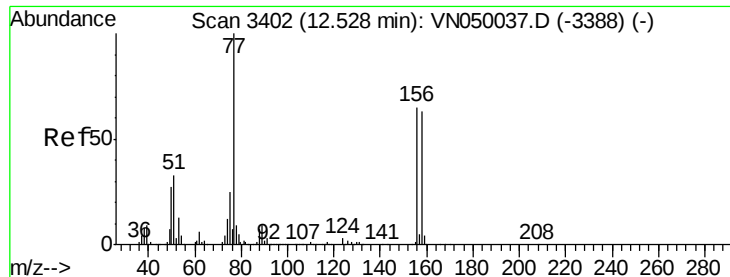
75 100

77 224.1 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.261 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

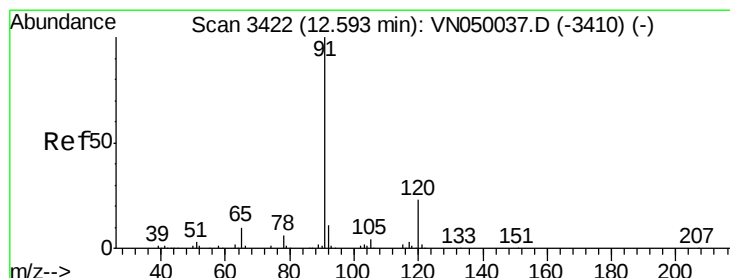
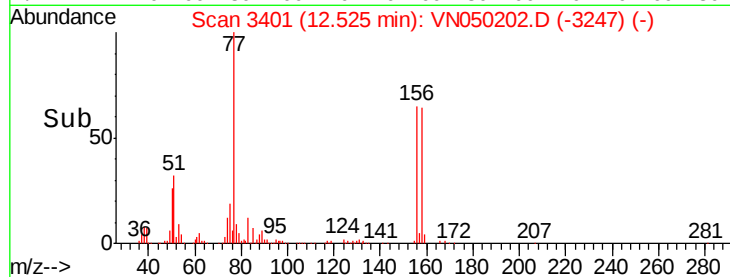
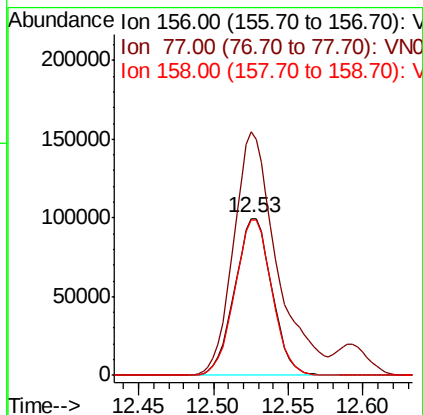
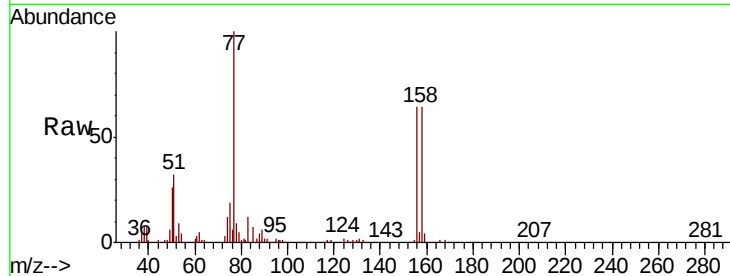
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	172563
Ion Ratio	Lower	Upper	
156	100		
77	180.4	0.0	359.8
158	98.4	0.0	192.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.059 ug/l

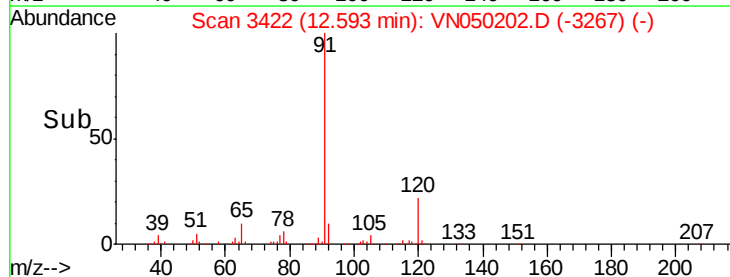
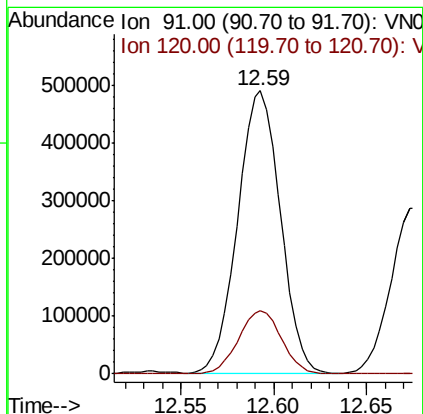
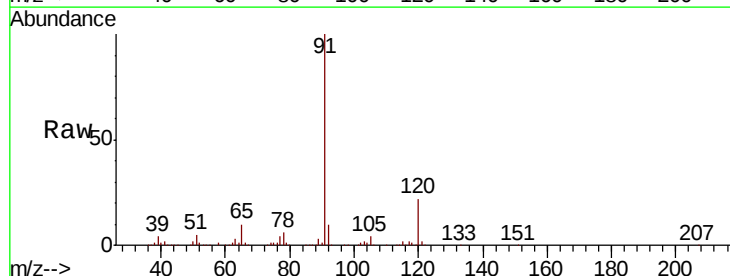
RT: 12.59 min Scan# 3422

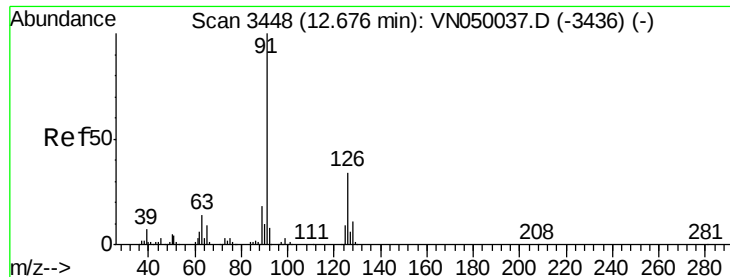
Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Tgt Ion:	91	Resp:	787431
Ion Ratio	Lower	Upper	
91	100		
120	22.4	0.0	46.4





#75

2-Chlorotoluene

Concen: 19.084 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 473568

Ion Ratio Lower Upper

91 100

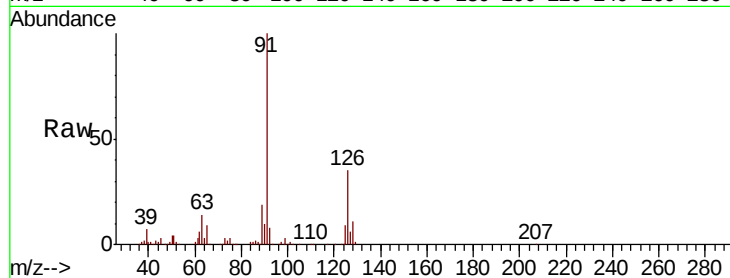
126 35.3 0.0 68.6

Manual Integrations

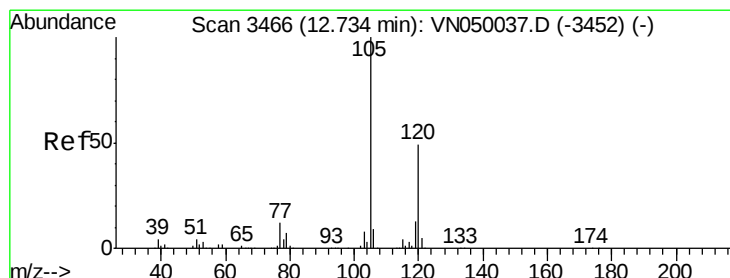
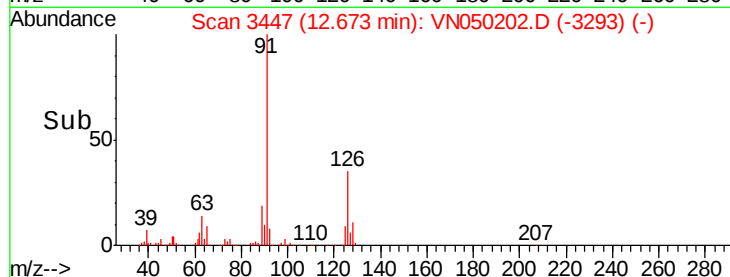
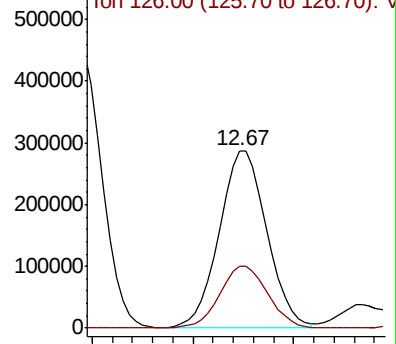
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Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.414 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050202.D

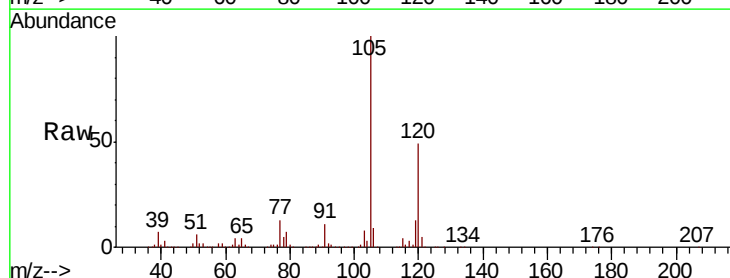
Acq: 31 Jul 2018 8:17

Tgt Ion: 105 Resp: 565650

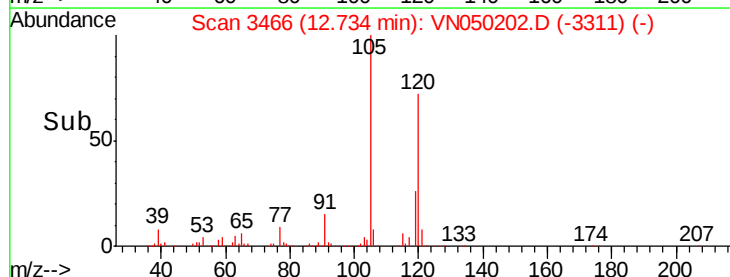
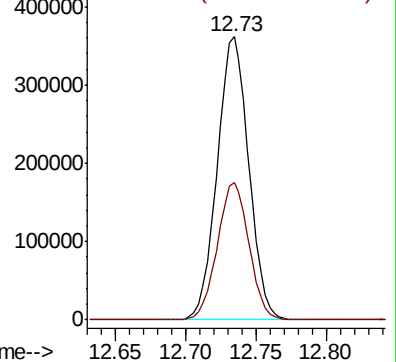
Ion Ratio Lower Upper

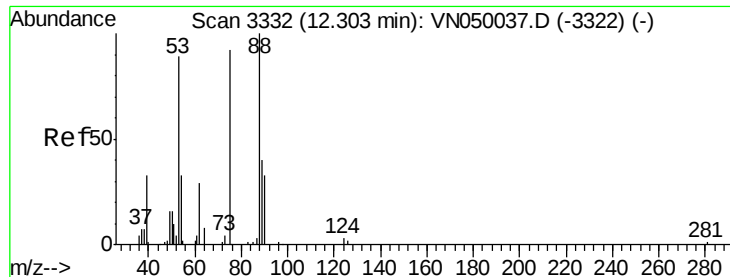
105 100

120 48.8 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 14.655 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

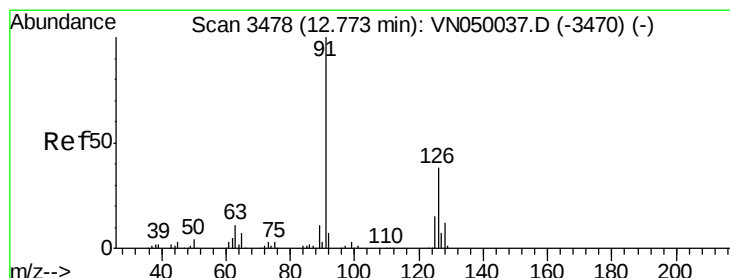
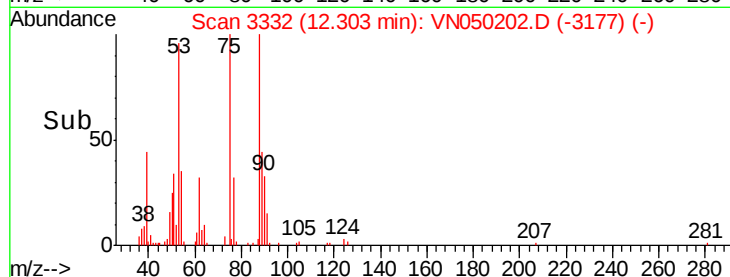
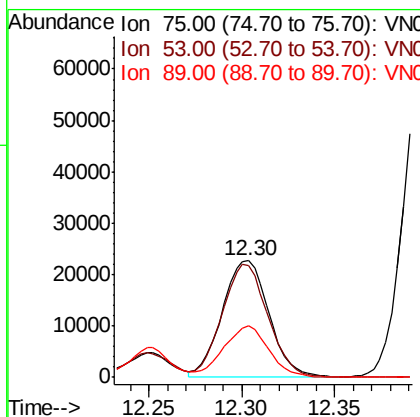
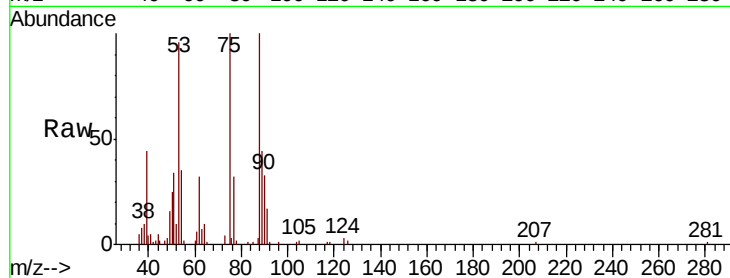
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	39858
Ion	Ratio	Lower	Upper
75	100		
53	95.7	44.6	134.0
89	44.4	20.7	62.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.275 ug/l

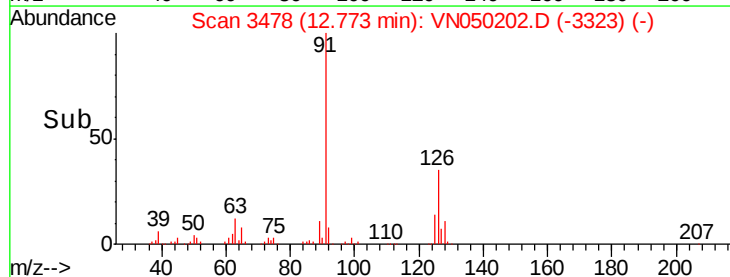
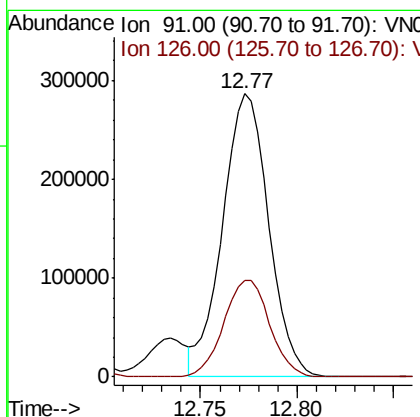
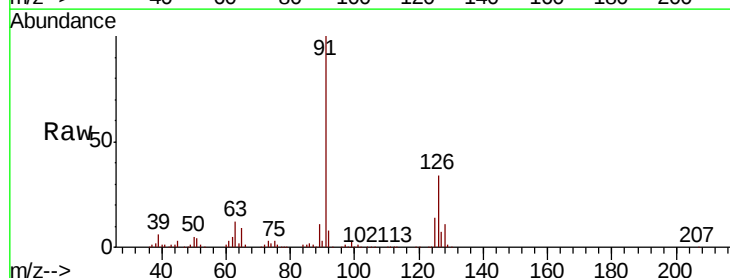
RT: 12.77 min Scan# 3478

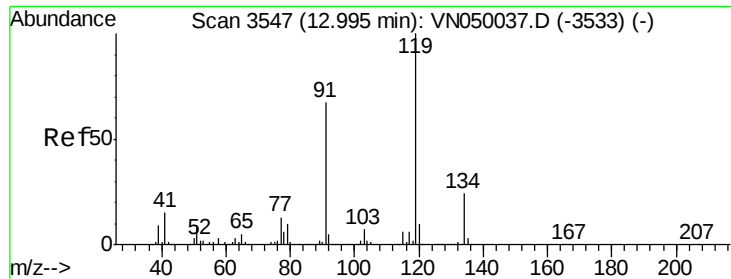
Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Tgt Ion:	91	Resp:	473988
Ion	Ratio	Lower	Upper
91	100		
126	34.2	0.0	68.4





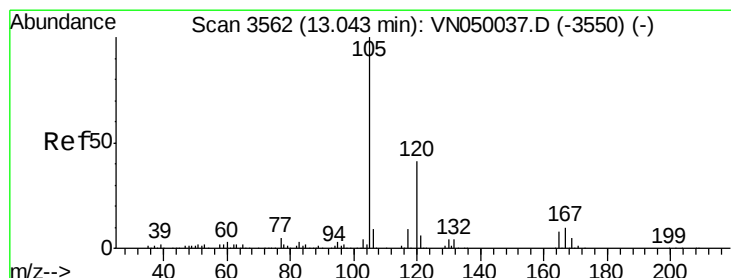
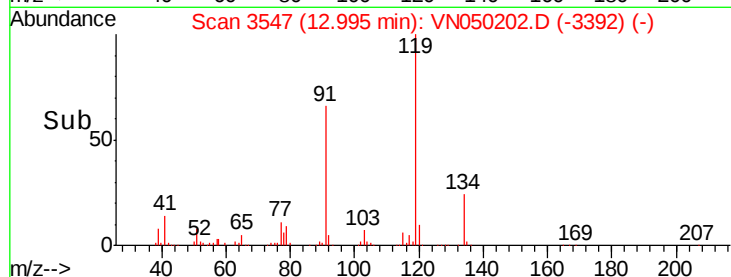
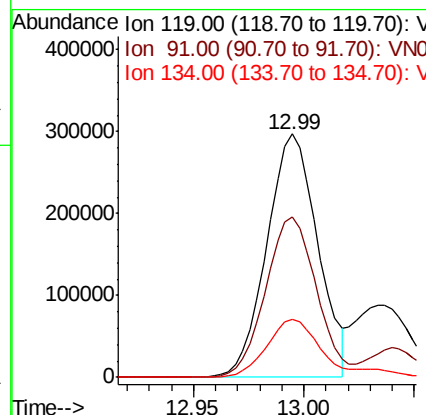
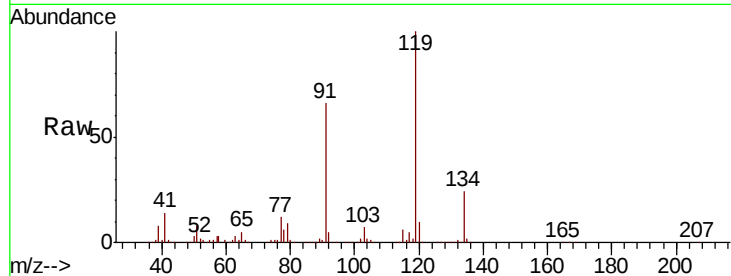
#79
tert-butylbenzene
Concen: 19.044 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	474402		
91	66.4	0.0	126.8	
134	25.1	0.0	47.4	

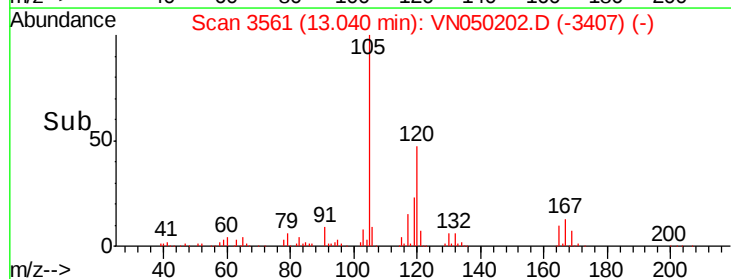
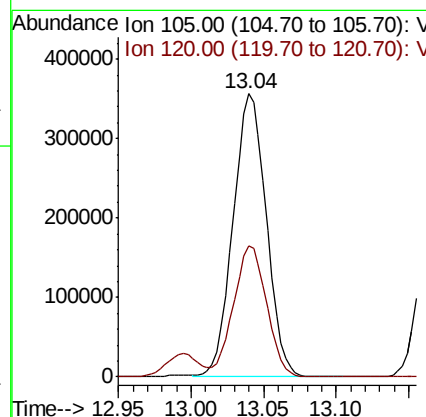
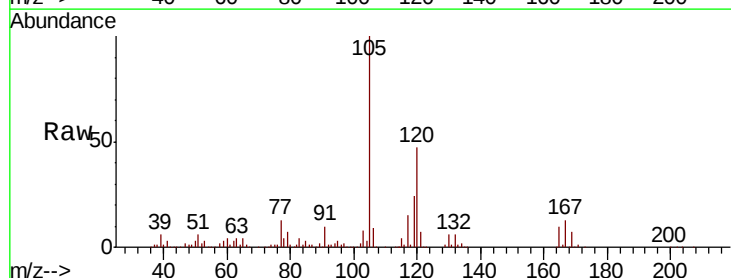
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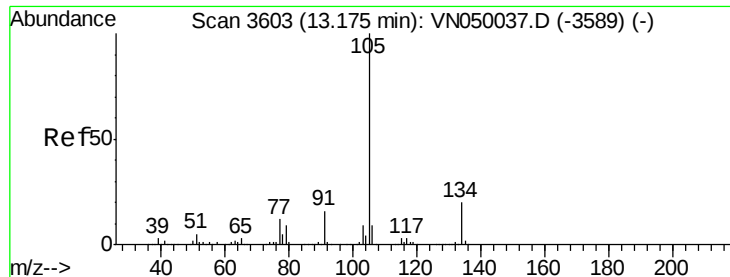
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#80
1,2,4-Trimethylbenzene
Concen: 19.221 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	567401		
120	46.4	0.0	90.6	





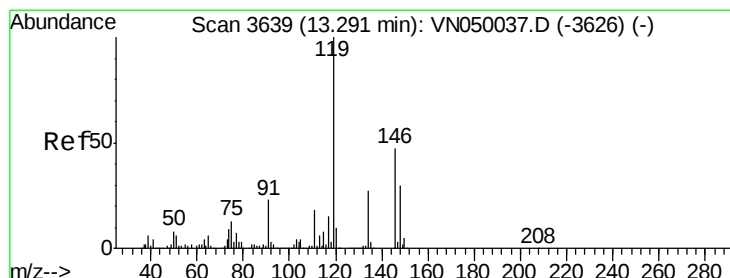
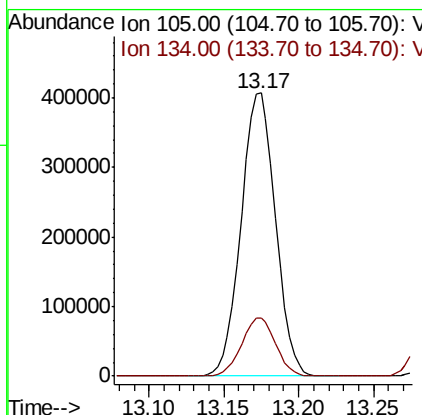
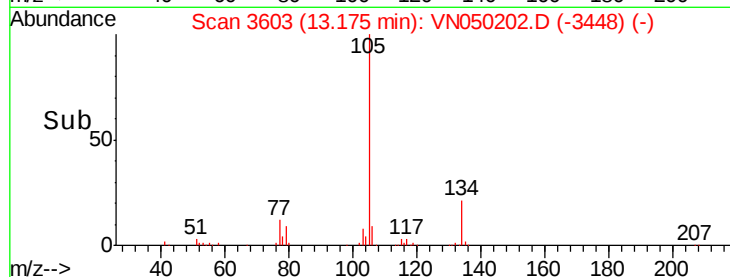
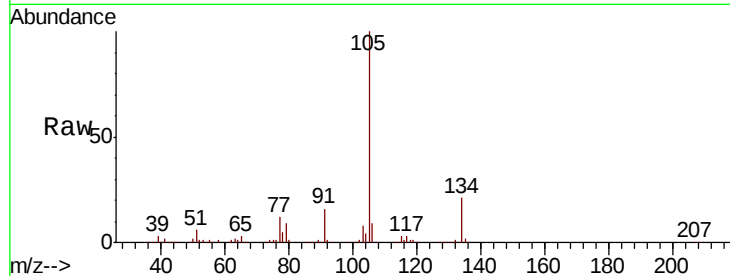
#81
 sec-Butylbenzene
 Concen: 19.237 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.6

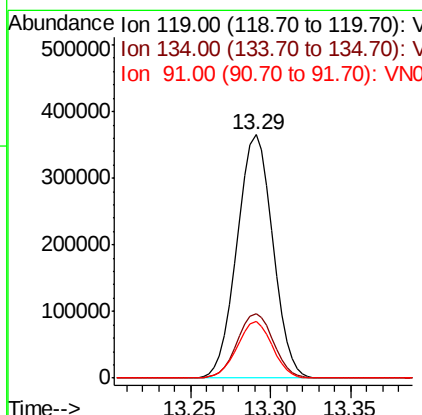
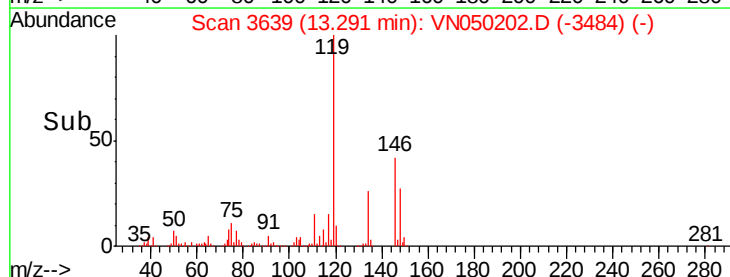
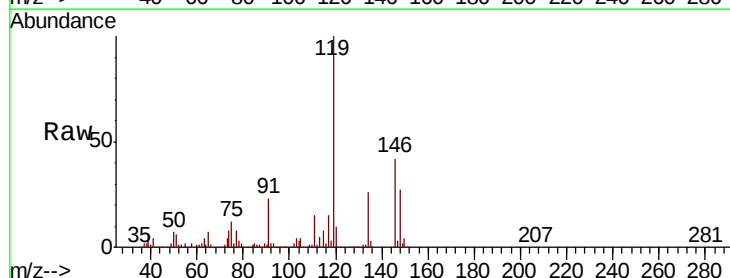
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#82
 p-Isopropyltoluene
 Concen: 19.246 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.2
91	22.8	0.0	45.6





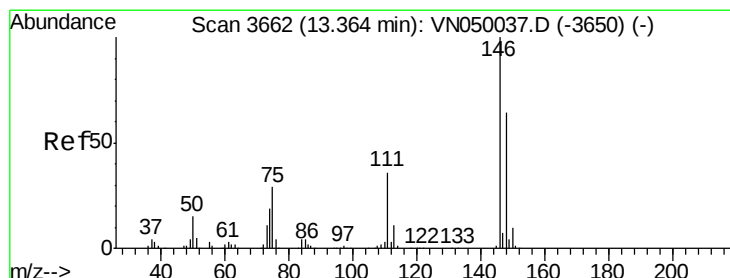
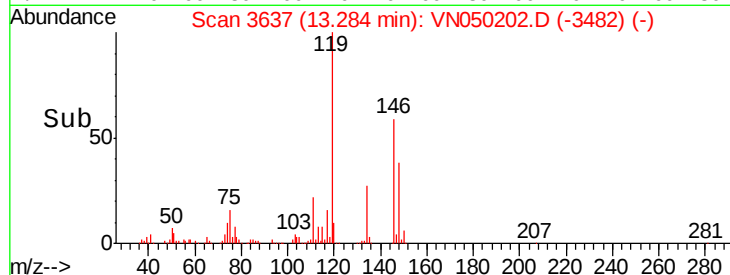
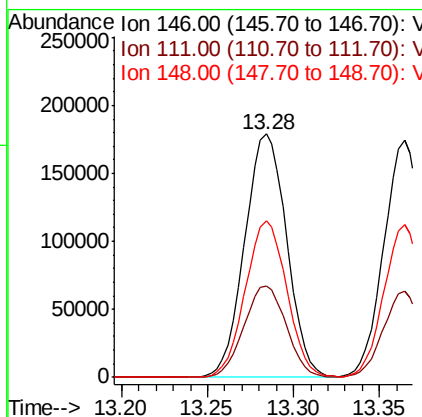
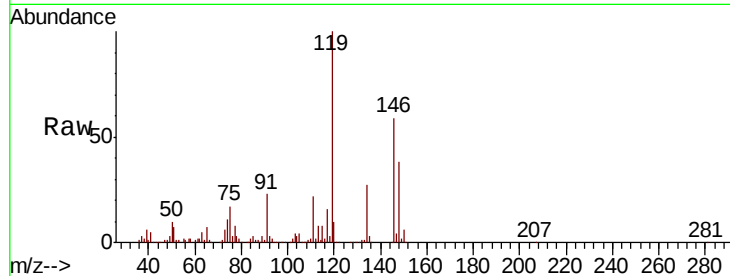
#83
1,3-Dichlorobenzene
Concen: 18.461 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	63.5	31.9	95.9

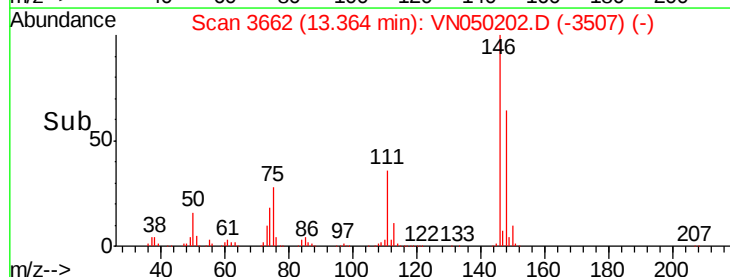
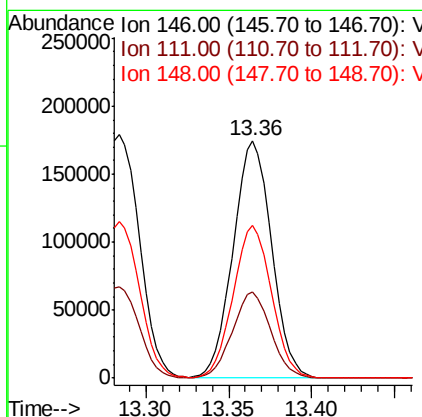
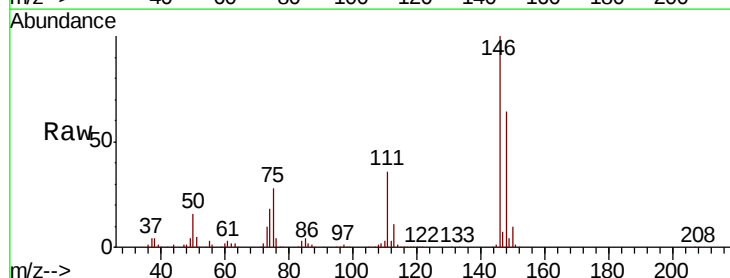
Manual Integrations
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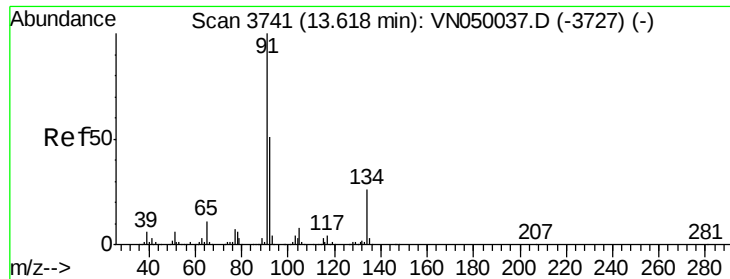
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8/1/2018 11:13:50 AM



#84
1,4-Dichlorobenzene
Concen: 18.143 ug/l
RT: 13.36 min Scan# 3662
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.9	53.8
148	63.9	32.4	97.0





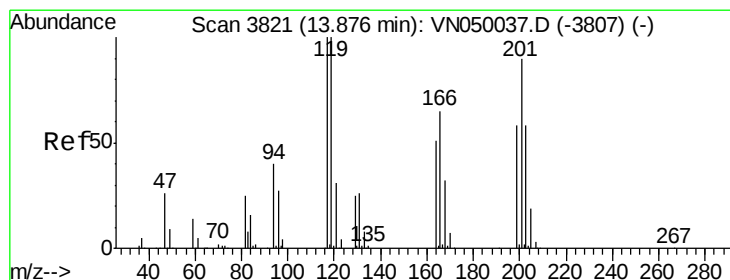
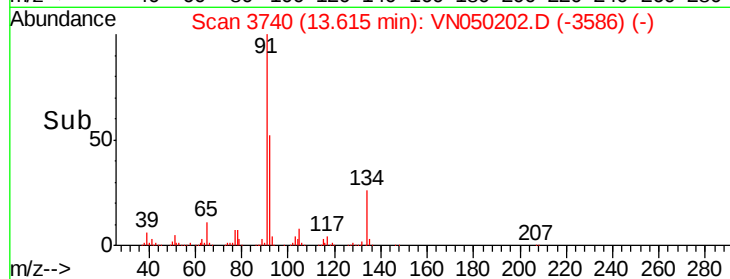
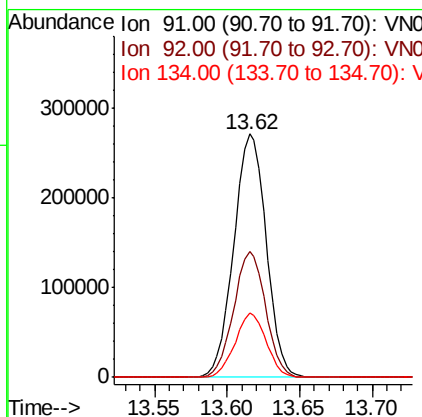
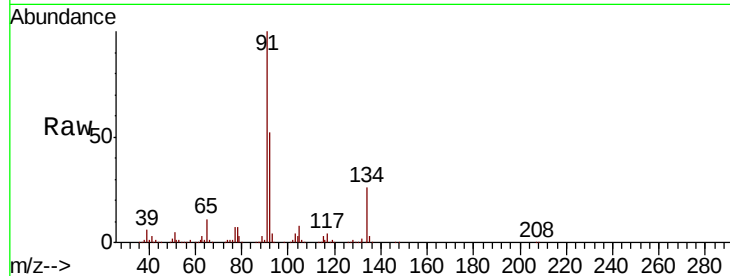
#85
n-Butylbenzene
Concen: 18.000 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	0.0	102.8
134	25.3	0.0	51.0

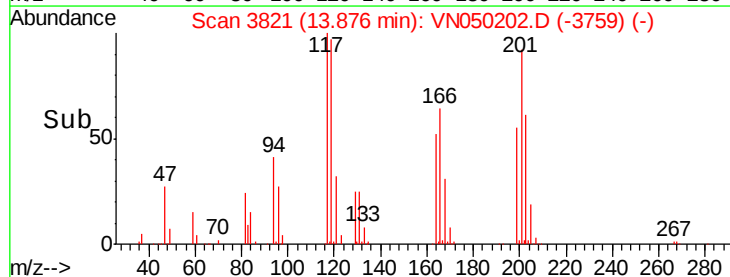
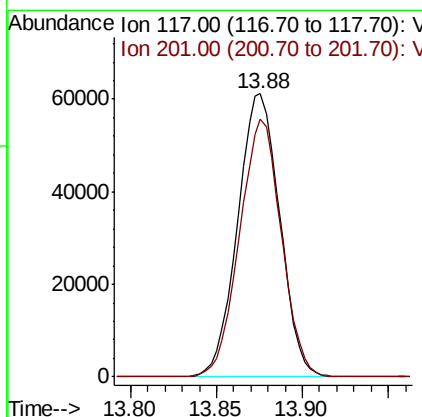
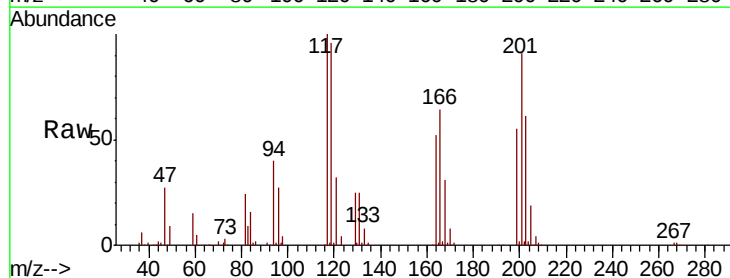
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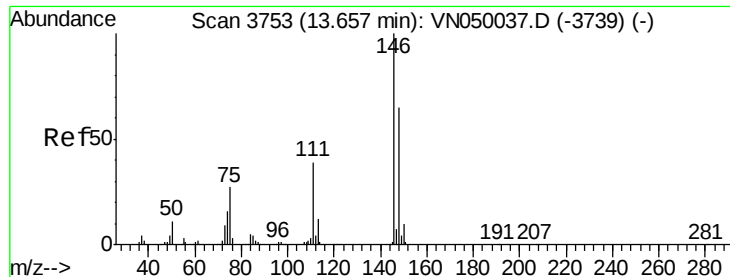
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#86
Hexachloroethane
Concen: 18.031 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	46.6	139.7





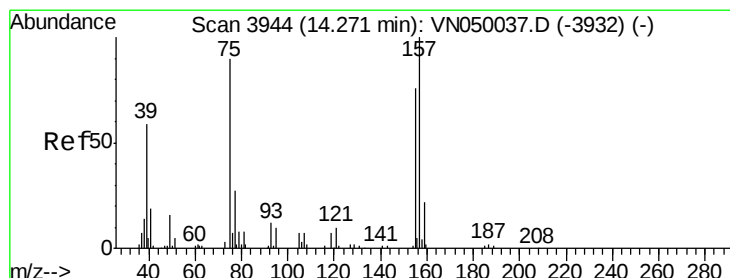
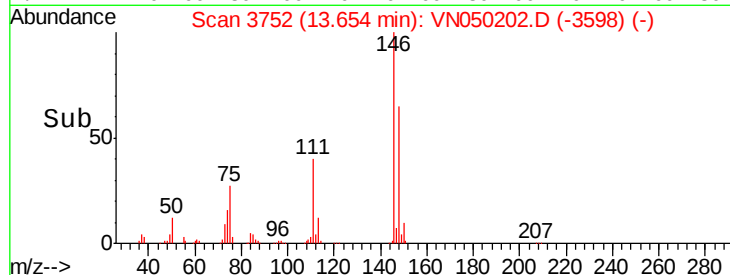
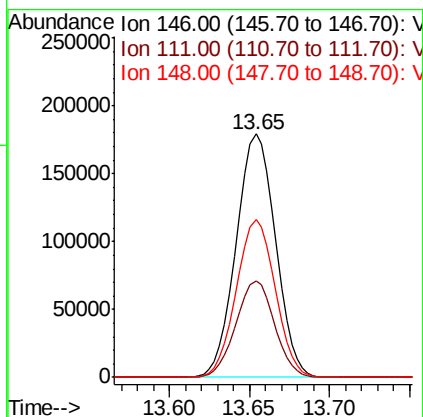
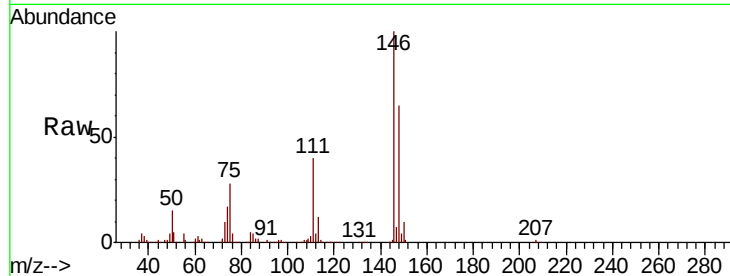
#87
 1,2-Dichlorobenzene
 Concen: 18.691 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.1	19.8	59.3	
148	64.0	31.8	95.3	

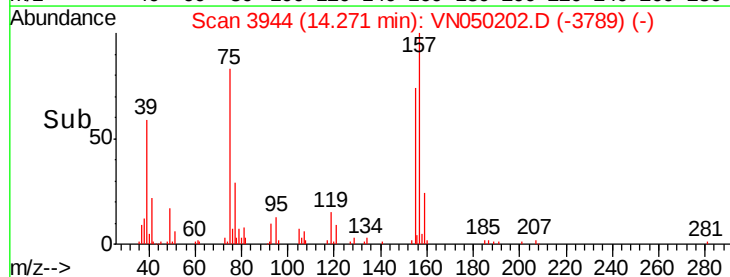
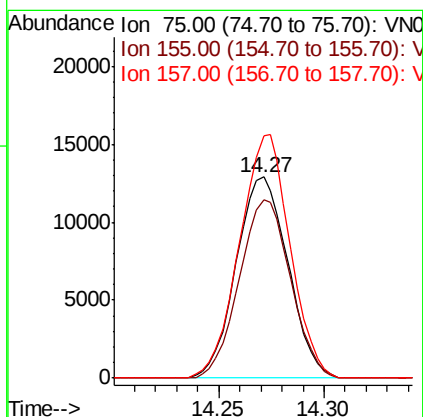
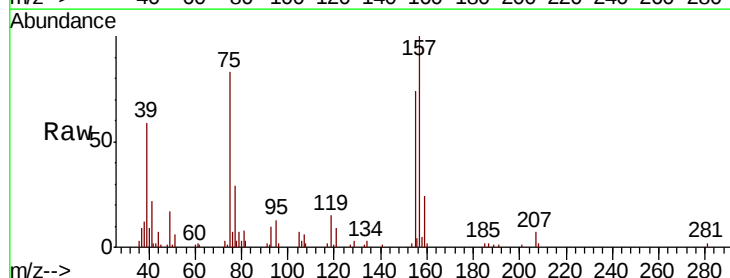
Manual Integrations
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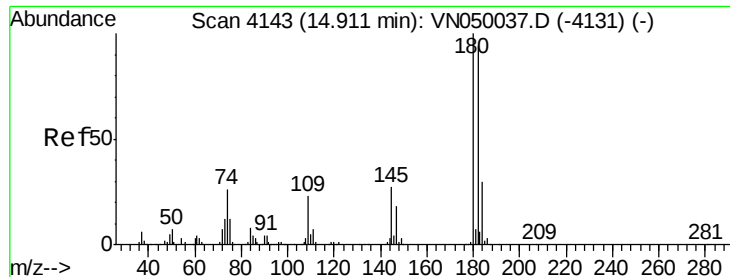
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 8/1/2018 11:13:50 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.494 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	87.7	73.0	109.6	
157	117.9	94.9	142.3	





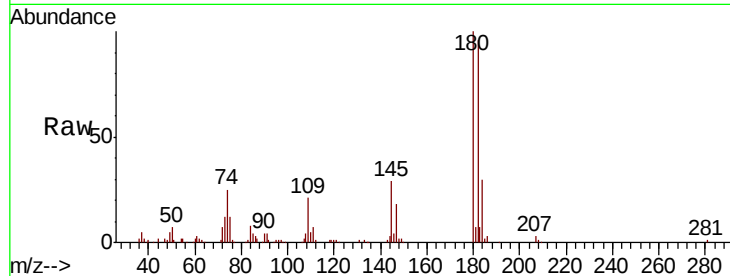
#89
 1,2,4-Trichlorobenzene
 Concen: 15.566 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119584		
182	95.0	76.7	115.1	
145	28.8	23.4	35.0	

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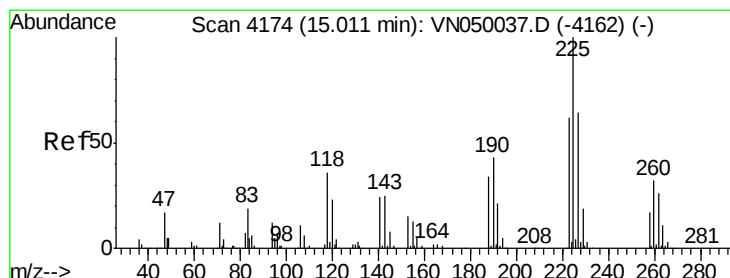
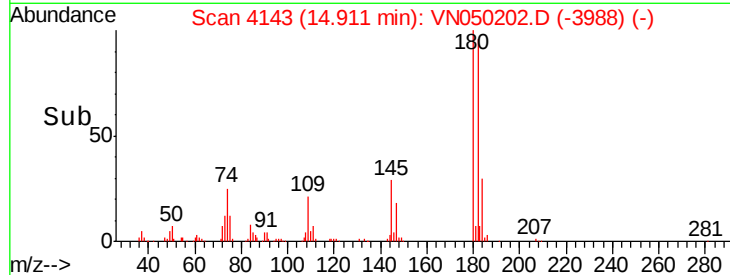
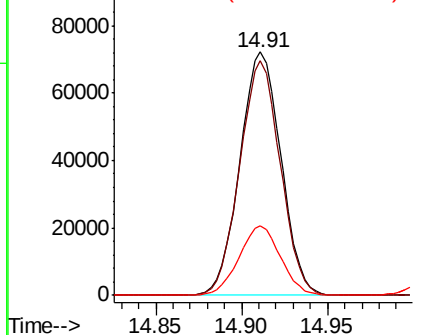


Abundance

Ion 180.00 (179.70 to 180.70): V

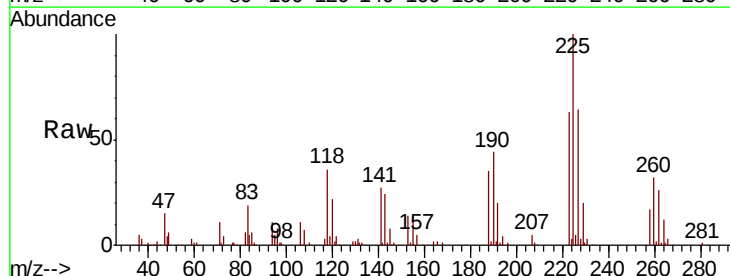
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 19.121 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96851		
223	62.8	0.0	124.4	
227	65.1	0.0	133.0	

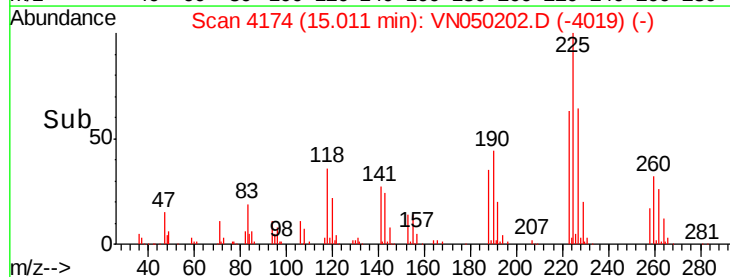
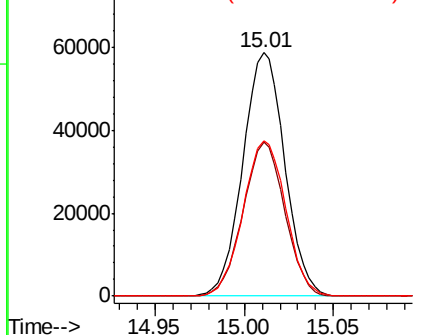


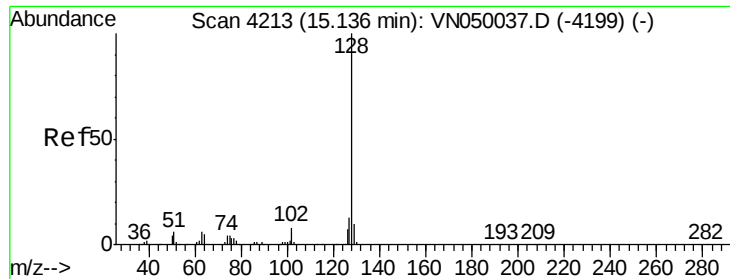
Abundance

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





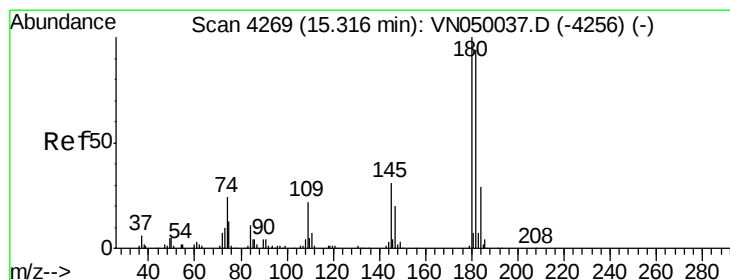
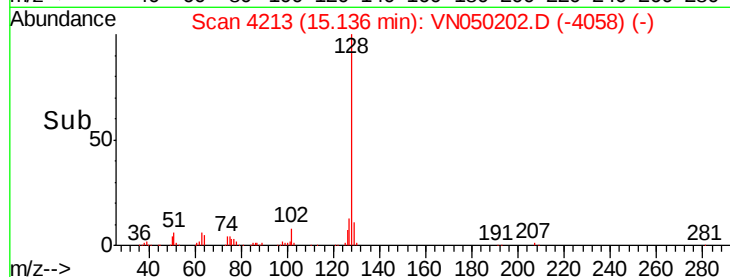
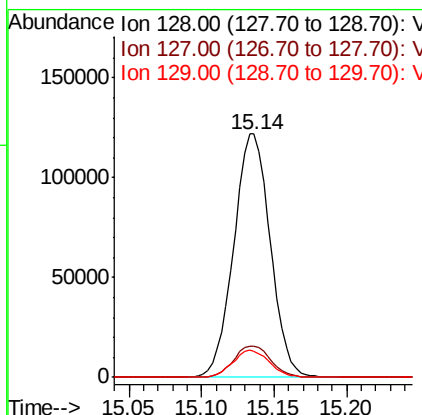
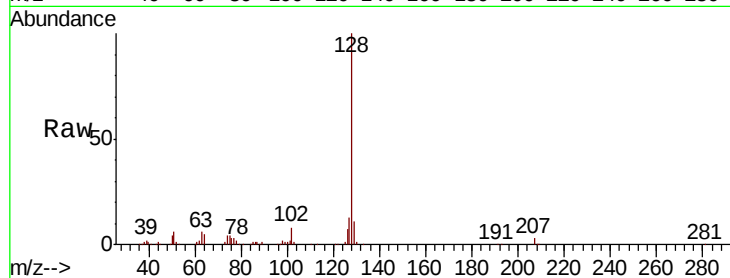
#91
Naphthalene
Concen: 16.517 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.2	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:50 AM



#92
1,2,3-Trichlorobenzene
Concen: 15.849 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	0.0	188.8
145	29.9	0.0	60.8

