

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050970.D
 Acq On : 30 Aug 2018 18:20
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/31/2018 11:32:23 AM

Quant Time: Aug 31 06:30:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123895	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	660006	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	559108	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	235741	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	245148	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	807958	30.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	145028	18.85	ug/l	100
3) Chloromethane	2.06	50	162635	17.90	ug/l	100
4) Vinyl Chloride	2.18	62	164794	18.36	ug/l	99
5) Bromomethane	2.56	94	92189	16.85	ug/l	98
6) Chloroethane	2.70	64	95692	18.07	ug/l	95
7) Trichlorofluoromethane	3.01	101	222534	18.70	ug/l	99
8) Diethyl Ether	3.41	74	75362	17.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138449	18.79	ug/l	99
10) 1,1-Dichloroethene	3.74	96	120593	18.01	ug/l	97
11) Methyl Iodide	3.95	142	99226	15.89	ug/l	98
12) Methyl Acetate	4.33	43	164007	21.19	ug/l	99
13) Acrolein	3.61	56	9538	55.64	ug/l #	52
14) Acrylonitrile	5.00	53	235277	89.89	ug/l	97
15) Acetone	3.82	58	61142	91.29	ug/l	87
16) Carbon Disulfide	4.05	76	350096	17.39	ug/l	100
17) Allyl chloride	4.32	41	189012	17.94	ug/l	99
18) Methylene Chloride	4.55	84	146623	18.66	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	128797	18.06	ug/l	99
20) Diisopropyl ether	5.96	45	415610	19.01	ug/l	100
21) 1,1-Dichloroethane	5.85	63	250124	18.66	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	146570	18.19	ug/l	98
23) tert-Butyl Alcohol	4.80	59	49476	88.89	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	337290	18.42	ug/l	100
25) Chloroform	7.37	83	252606	18.88	ug/l	98
26) Cyclohexane	7.66	56	196128	17.66	ug/l #	97
29) 1,1-Dichloropropene	7.80	75	182737	18.49	ug/l	99
30) 2-Butanone	6.84	43	262258	86.28	ug/l	99
31) 2,2-Dichloropropane	6.83	77	192415	20.01	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	212193	18.94	ug/l	99
33) Carbon Tetrachloride	7.78	117	188726	18.70	ug/l	94
34) Benzene	8.05	78	569858	18.64	ug/l	99
35) Methacrylonitrile	7.17	41	63317	19.01	ug/l	96
36) 1,2-Dichloroethane	8.13	62	175590	18.99	ug/l	99
37) Trichloroethene	8.84	130	146540	18.34	ug/l	97
38) Methylcyclohexane	9.08	83	188228	17.74	ug/l	99
39) 1,2-Dichloropropane	9.12	63	152206	19.07	ug/l	98
40) Dibromomethane	9.21	93	90113	18.74	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	190173	18.76	ug/l	99
42) Vinyl Acetate	5.90	43	1259633	89.97	ug/l	99
43) Ethyl Acetate	6.93	43	106211	17.06	ug/l	96
44) Isopropyl Acetate	8.17	43	265498	24.16	ug/l #	90
45) 1,4-Dioxane	9.20	88	28394	347.87	ug/l	93
46) Methyl methacrylate	9.20	41	104390	18.97	ug/l	93
47) n-amyl Acetate	12.07	43	147634	16.71	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	179459	18.06	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	212643	18.63	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	132686	18.99	ug/l	98
51) Ethyl methacrylate	10.43	69	147204	17.22	ug/l	99
52) 1,3-Dichloropropane	10.71	76	213541	18.45	ug/l	100
53) Dibromochloromethane	10.90	129	144685	18.21	ug/l	98
54) 1,2-Dibromoethane	11.01	107	123481	17.87	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	312232	87.77	ug/l	99
56) Bromoform	12.13	173	97947	17.33	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	587799	91.89	ug/l	100
59) 2-Hexanone	10.75	43	374831	89.64	ug/l	99
61) Tetrachloroethene	10.63	164	132233	18.98	ug/l	99
62) Toluene	10.16	91	602968	19.33	ug/l	98
64) Chlorobenzene	11.44	112	359861	18.61	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	142303	19.50	ug/l	99
66) Ethyl Benzene	11.51	91	588945	18.23	ug/l	98
67) m/p-Xylenes	11.62	106	465935	37.48	ug/l	99
68) o-Xylene	11.95	106	219549	18.48	ug/l	99
69) Styrene	11.97	104	349886	18.53	ug/l	99
70) Isopropylbenzene	12.25	105	587564	18.62	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	163329	19.11	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	140282m	19.03	ug/l	
73) Bromobenzene	12.53	156	152844	18.40	ug/l	99
74) n-propylbenzene	12.59	91	650303	18.22	ug/l	99
75) 2-Chlorotoluene	12.68	91	406019	18.73	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	477103	18.50	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	37453	17.83	ug/l	97
78) 4-Chlorotoluene	12.77	91	389091	18.23	ug/l	100
79) tert-butylbenzene	12.99	119	415262	18.54	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	482158	18.75	ug/l	99
81) sec-Butylbenzene	13.17	105	536673	18.31	ug/l	100
82) p-Isopropyltoluene	13.29	119	456045	18.03	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	253324	18.04	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	238164	17.90	ug/l	99
85) n-Butylbenzene	13.62	91	324338	16.80	ug/l	100
86) Hexachloroethane	13.88	117	91187	18.78	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	253336	18.33	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21993	18.40	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	93859	15.26	ug/l	100
90) Hexachlorobutadiene	15.01	225	79116	18.93	ug/l	98
91) Naphthalene	15.14	128	198487	18.90	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	101418	16.43	ug/l	99

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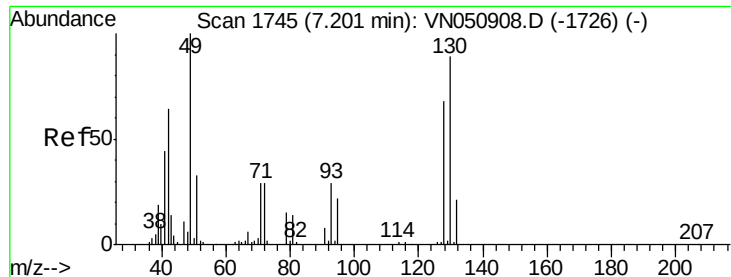
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

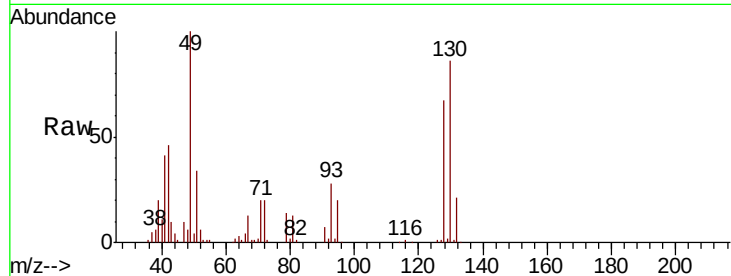
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	123895
Ion	Ratio	Lower	Upper
128	100		
49	148.2	0.0	380.3
130	127.6	0.0	325.3

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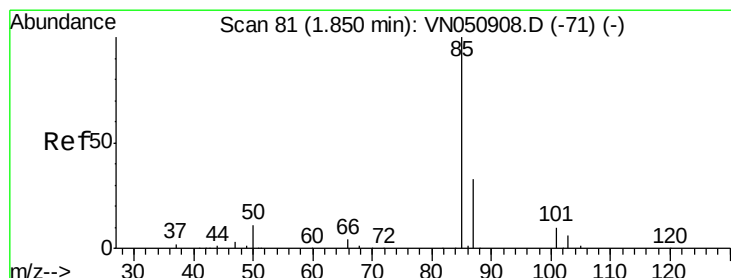
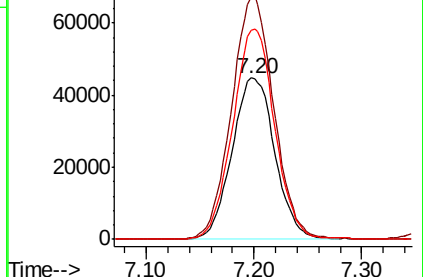
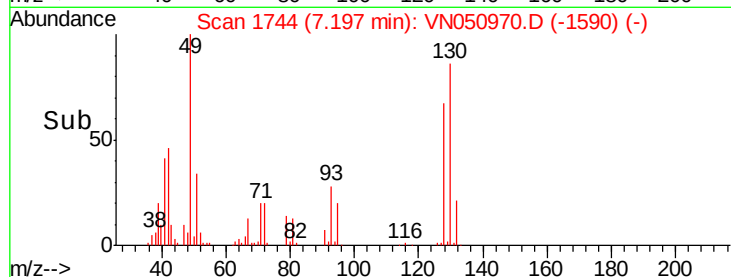
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.85 ug/l

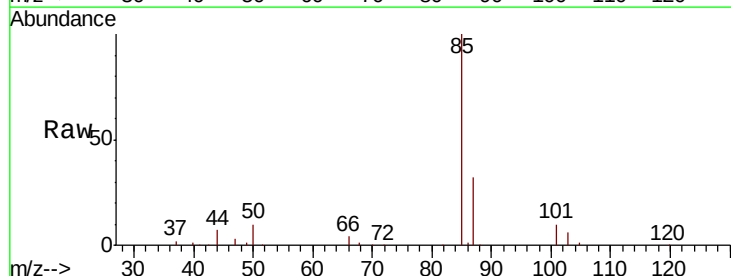
RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050970.D

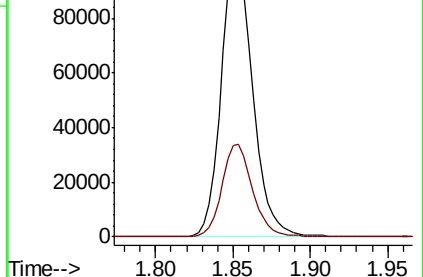
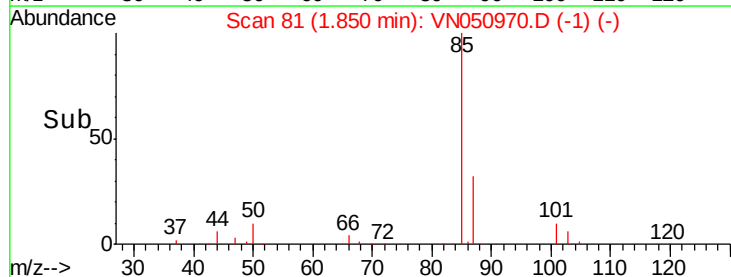
Acq: 30 Aug 2018 18:20

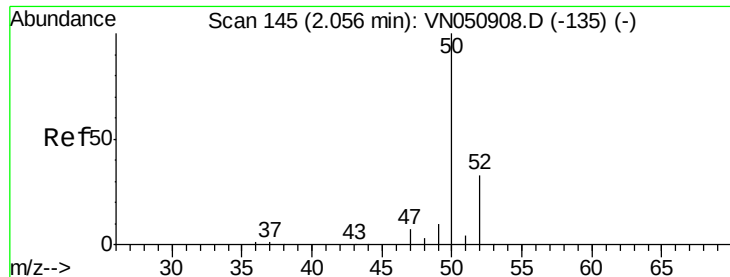
Tgt Ion:	85	Resp:	145028
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 17.90 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 162635

Ion Ratio Lower Upper

50 100

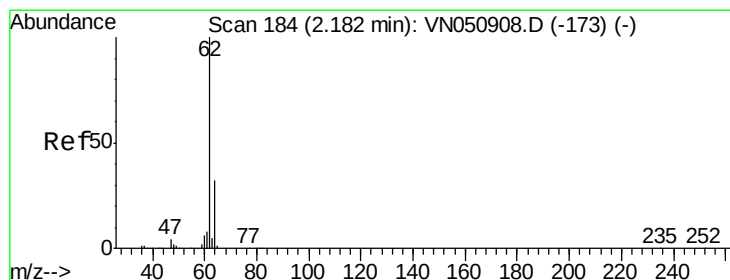
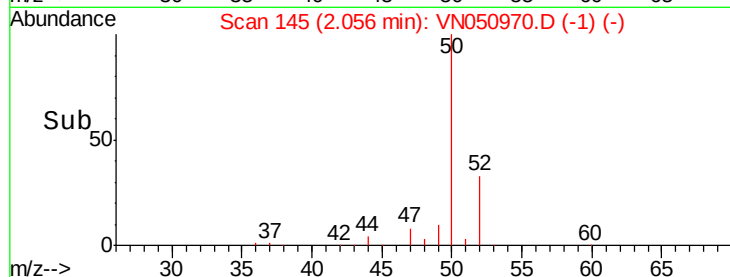
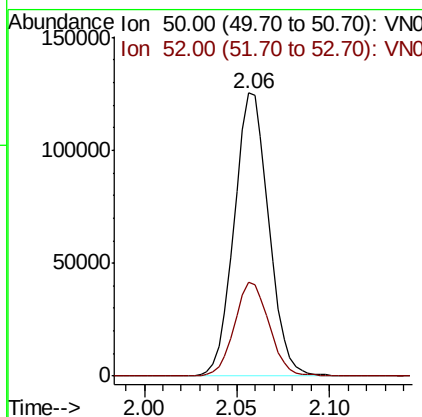
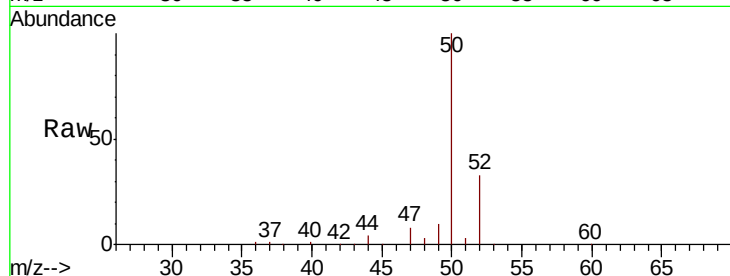
52 33.0 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.36 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050970.D

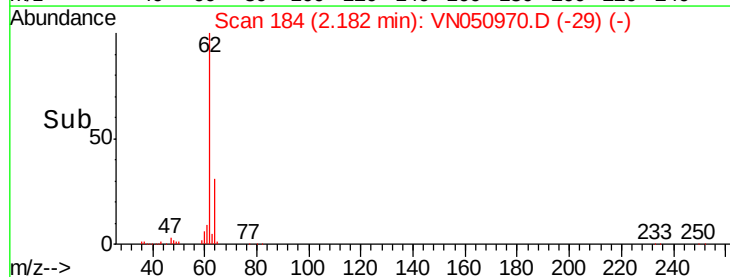
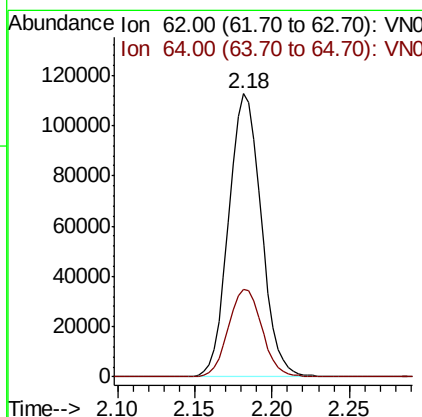
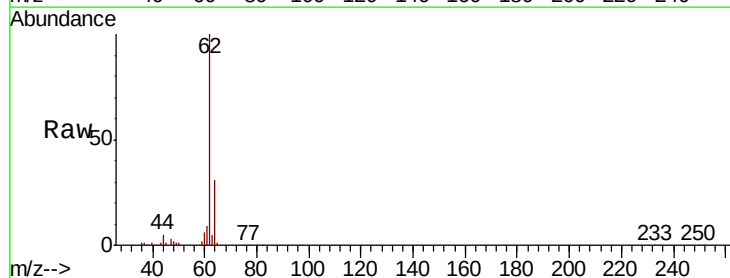
Acq: 30 Aug 2018 18:20

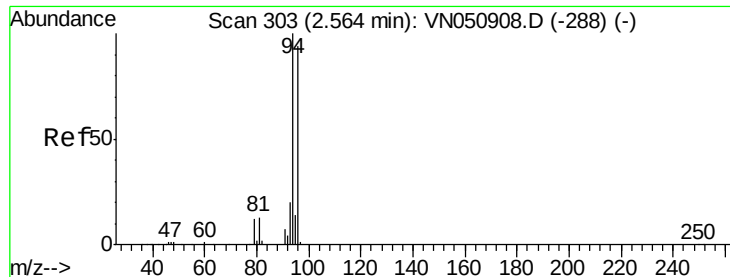
Tgt Ion: 62 Resp: 164794

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 16.85 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 94 Resp: 92189

Ion Ratio Lower Upper

94 100

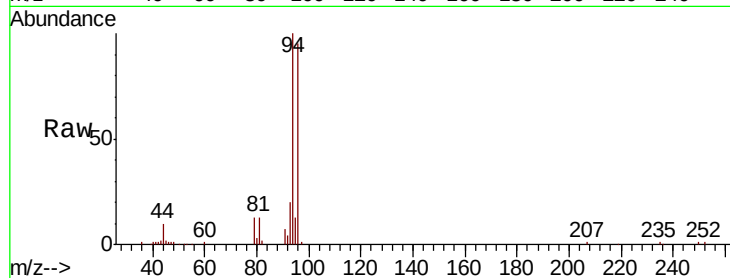
96 95.1 74.9 112.3

Manual Integrations

APPROVED

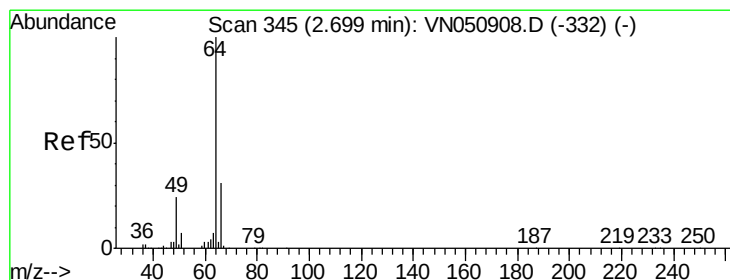
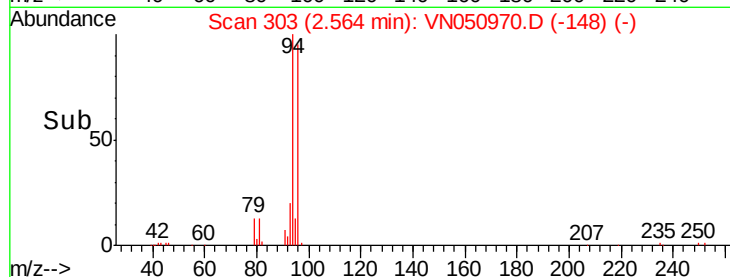
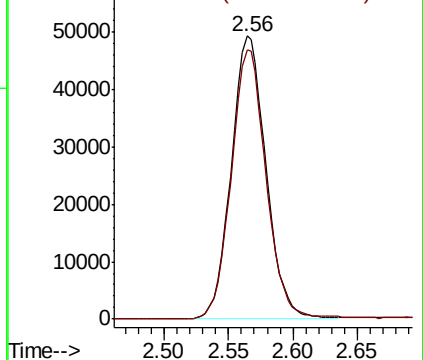
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.07 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050970.D

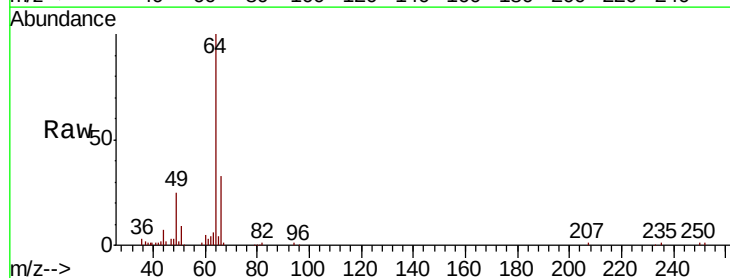
Acq: 30 Aug 2018 18:20

Tgt Ion: 64 Resp: 95692

Ion Ratio Lower Upper

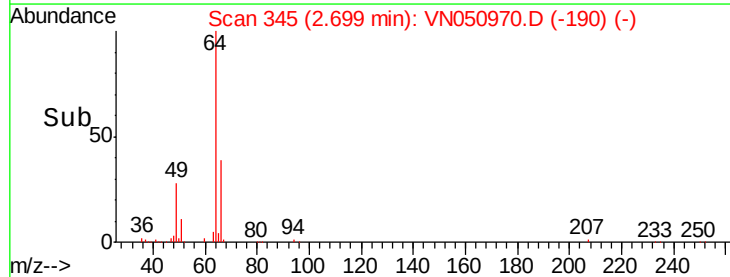
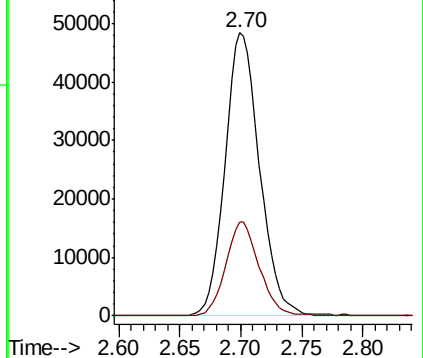
64 100

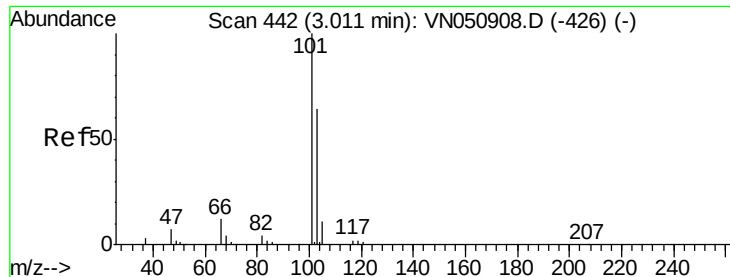
66 33.3 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

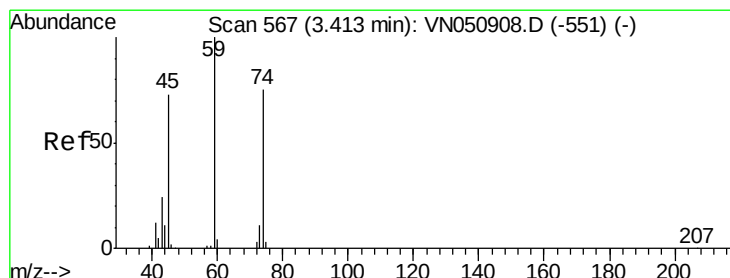
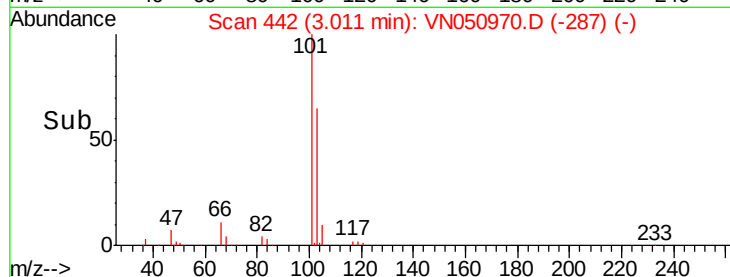
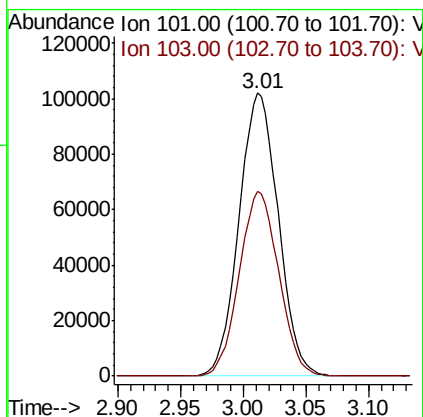
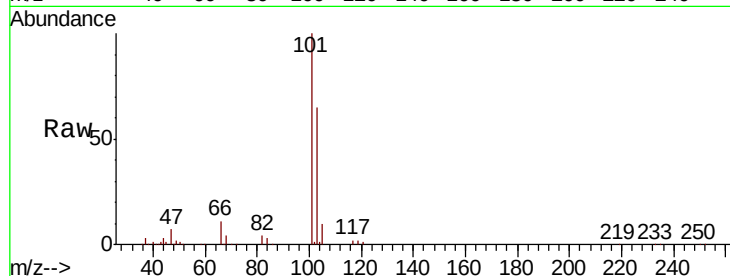
Trichlorofluoromethane
 Concen: 18.70 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
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 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.3	76.9

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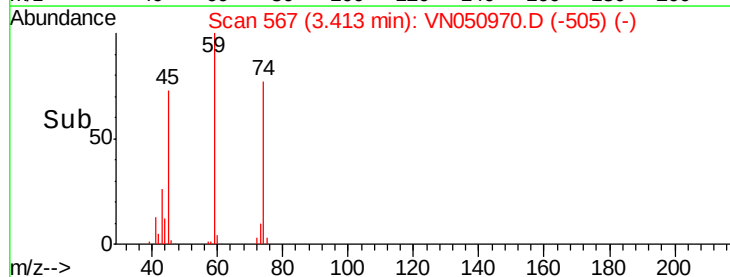
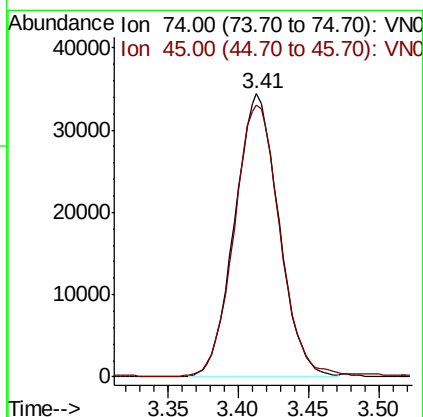
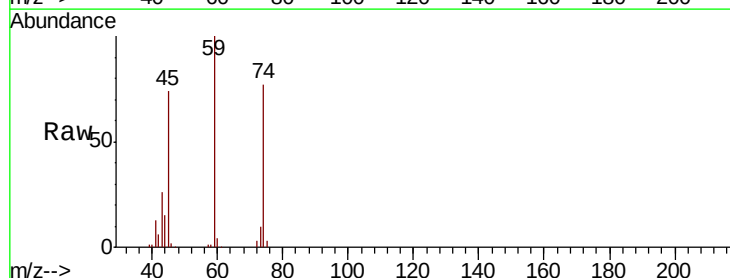
MMDadoda
 8/31/2018 11:32:23 AM

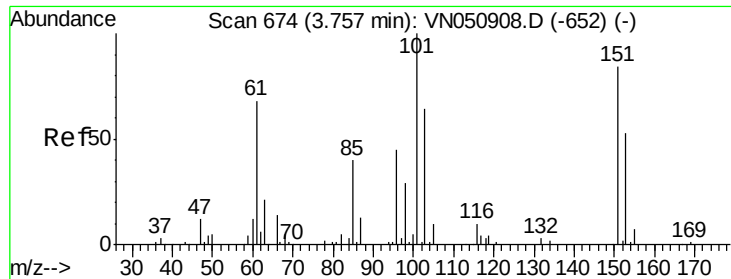


#8

Diethyl Ether
 Concen: 17.96 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	19.7	177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.79 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

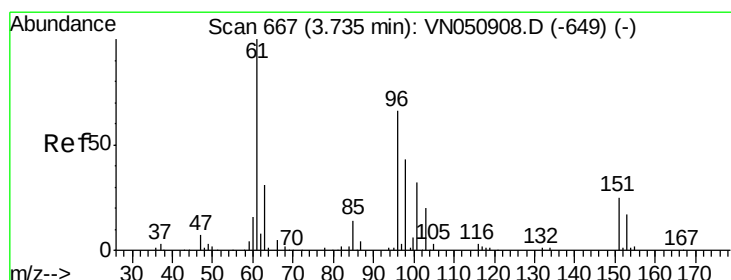
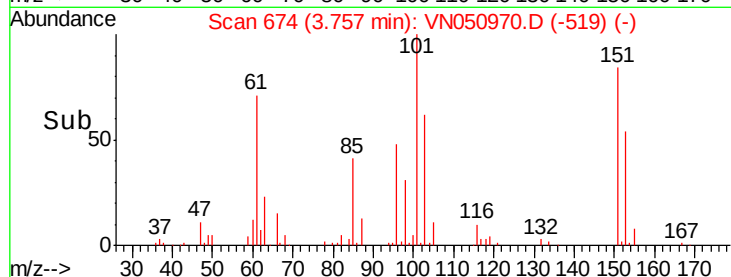
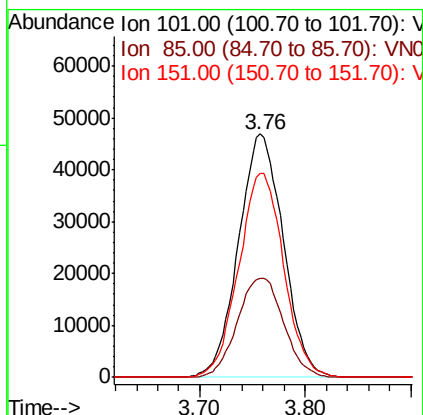
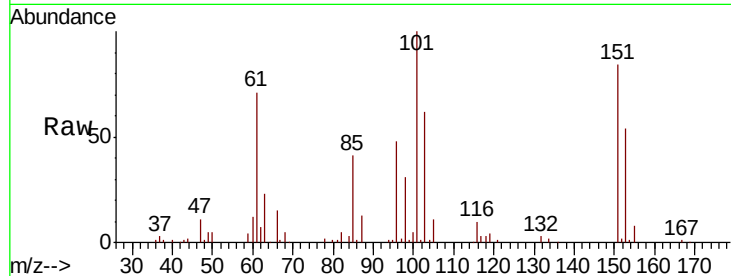
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	138449
Ion Ratio	Lower	Upper	
101	100		
85	42.1	0.0	83.6
151	84.1	0.0	167.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.01 ug/l

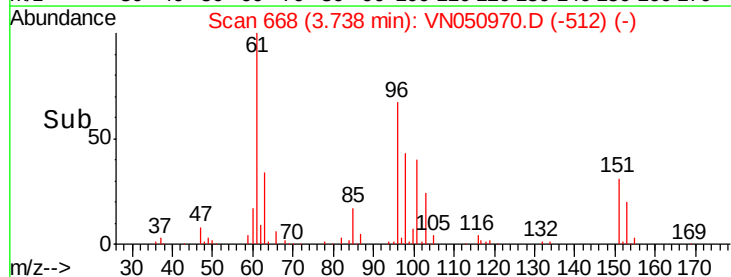
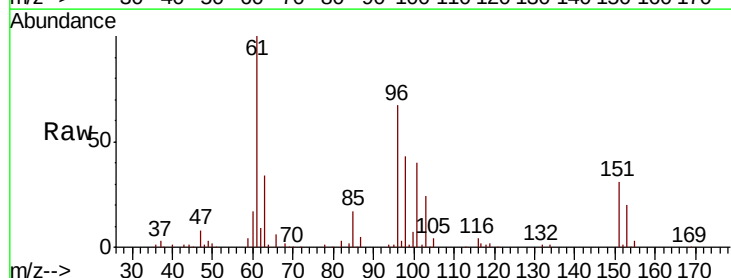
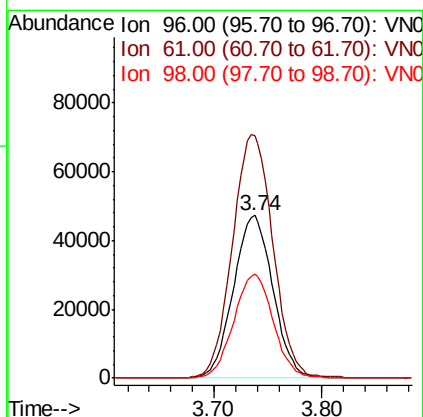
RT: 3.74 min Scan# 668

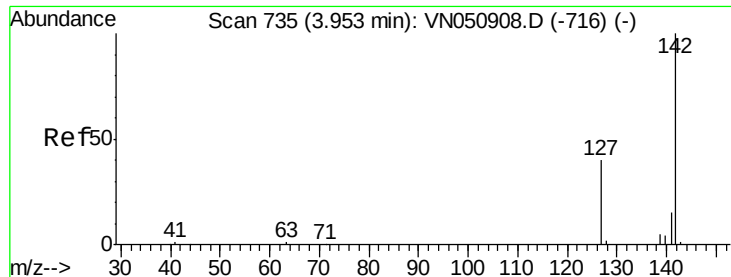
Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Tgt Ion:	96	Resp:	120593
Ion Ratio	Lower	Upper	
96	100		
61	148.4	121.8	182.8
98	63.7	52.3	78.5





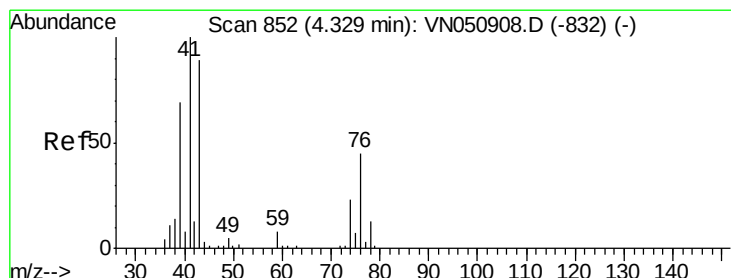
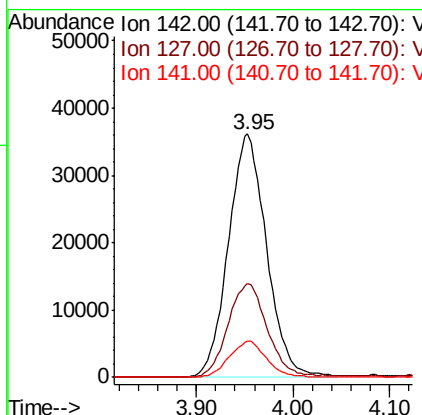
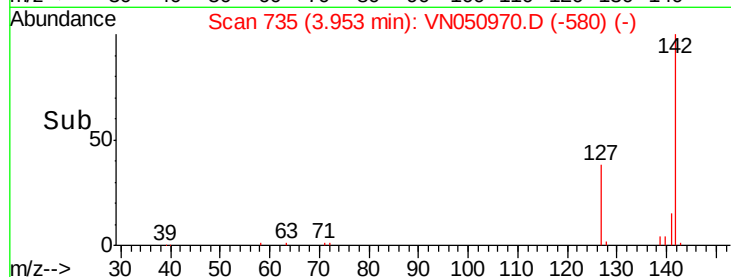
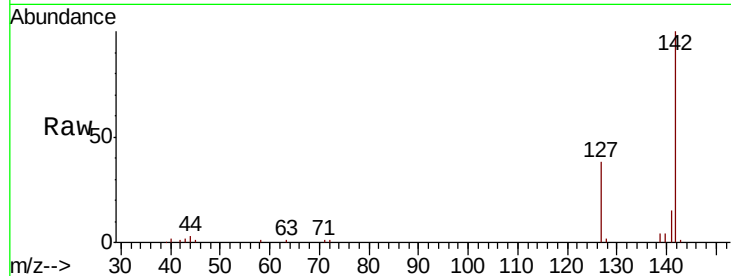
#11
Methvl Iodide
Concen: 15.89 ug/l
RT: 3.95 min Scan# 735
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.2	19.7	59.1
141	15.2	7.3	22.0

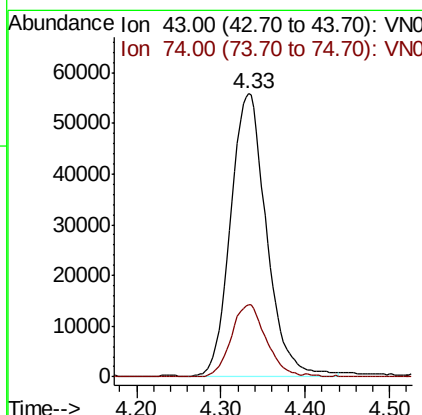
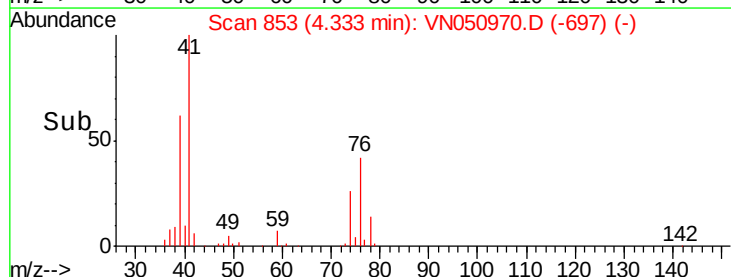
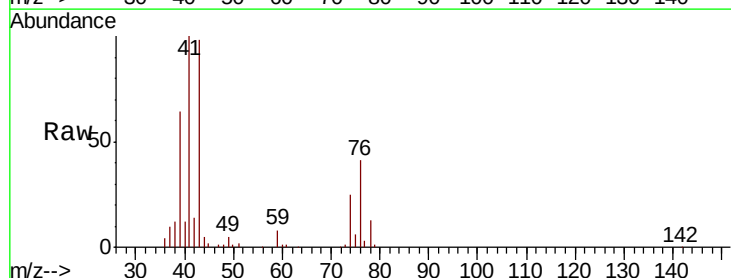
Manual Integrations
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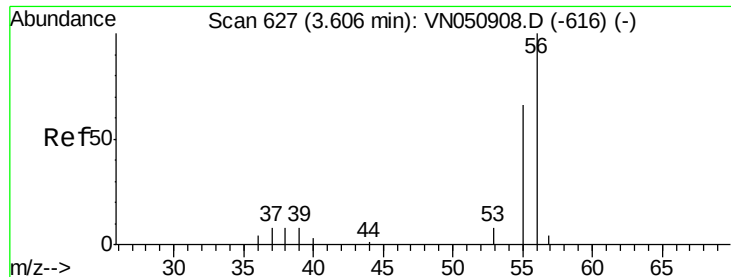
MMDadoda
8/31/2018 11:32:23 AM



#12
Methyl Acetate
Concen: 21.19 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.6	31.0





#13

Acrolein

Concen: 55.64 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 56 Resp: 9538

Ion Ratio Lower Upper

56 100

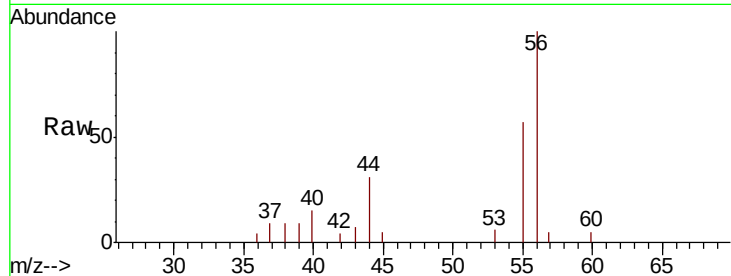
55 33.0 59.1 88.7#

Manual Integrations

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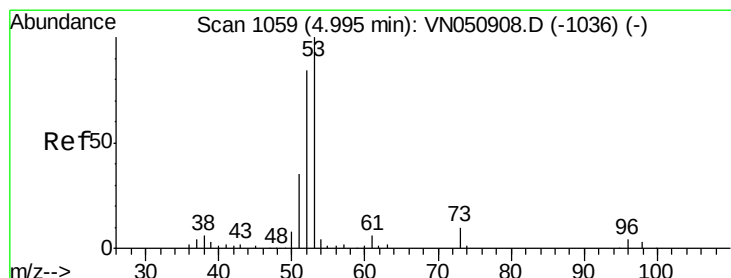
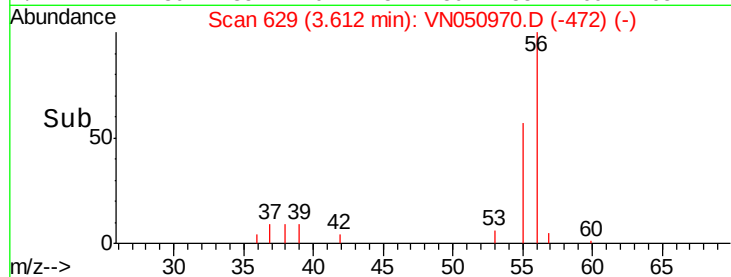
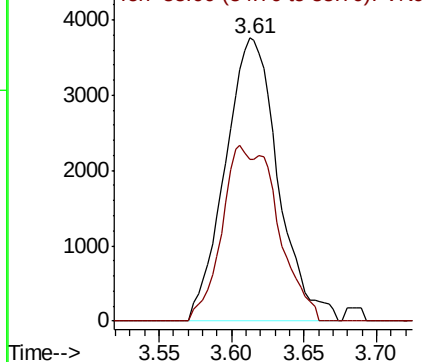
MMDadoda

8/31/2018 11:32:23 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 89.89 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

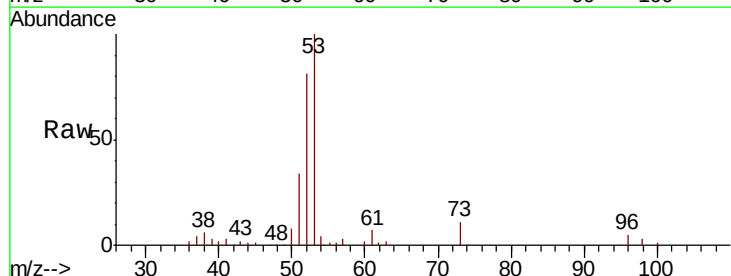
Tgt Ion: 53 Resp: 235277

Ion Ratio Lower Upper

53 100

52 81.3 42.2 126.6

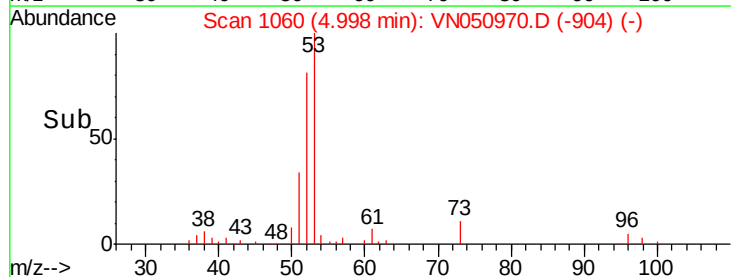
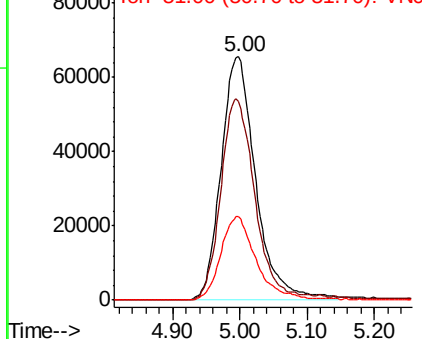
51 35.0 17.7 53.1

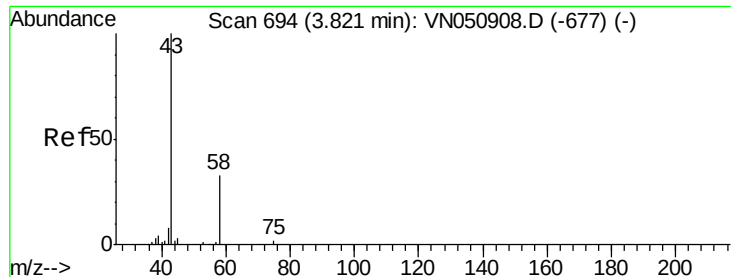


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 91.29 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 61142

Ion Ratio Lower Upper

58 100

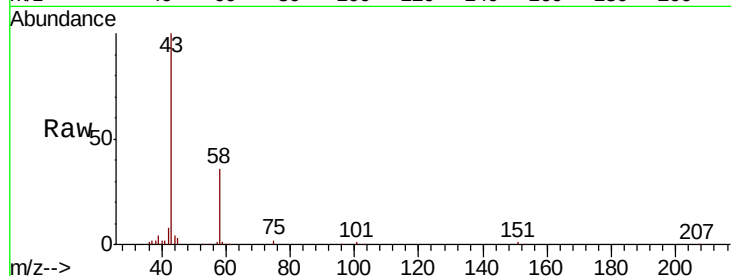
43 272.8 239.4 359.0

Manual Integrations

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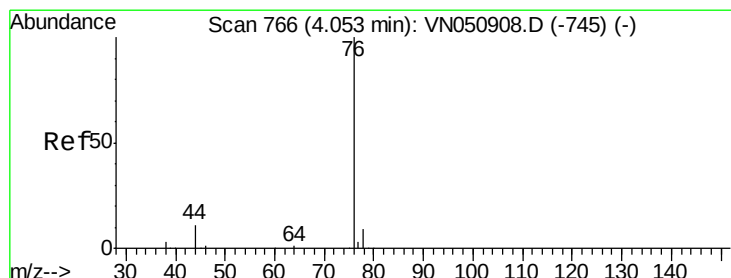
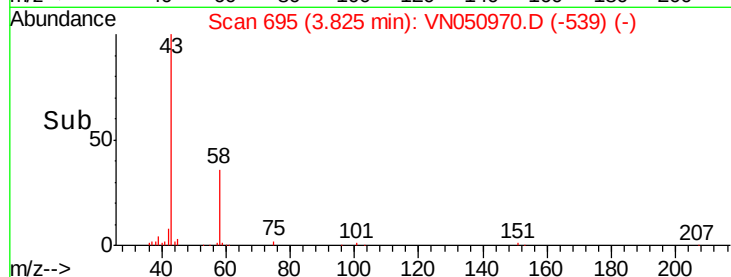
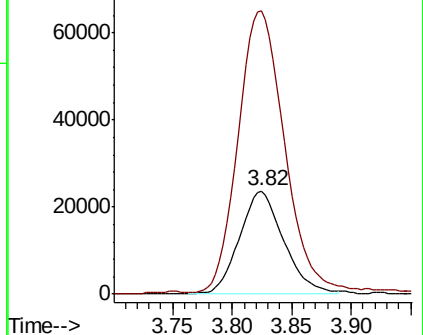
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Abundance Ion 58.00 (57.70 to 58.70): VN050970.D (-539) (-)

Ion 43.00 (42.70 to 43.70): VN050970.D (-539) (-)



#16

Carbon Disulfide

Concen: 17.39 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050970.D

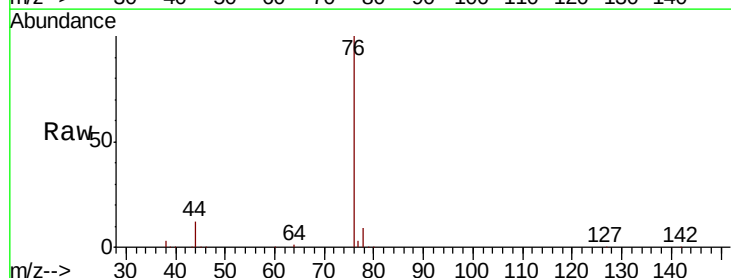
Acq: 30 Aug 2018 18:20

Tgt Ion: 76 Resp: 350096

Ion Ratio Lower Upper

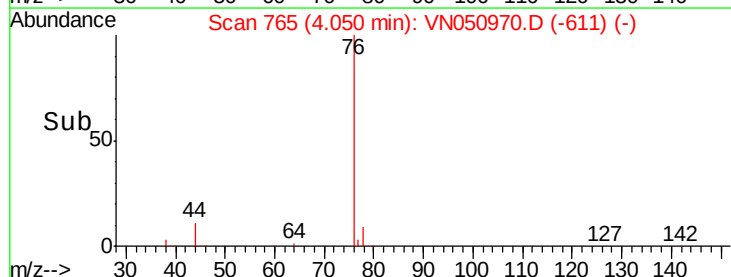
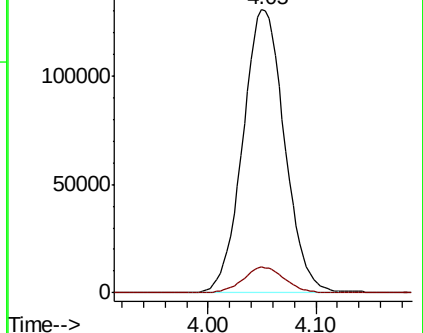
76 100

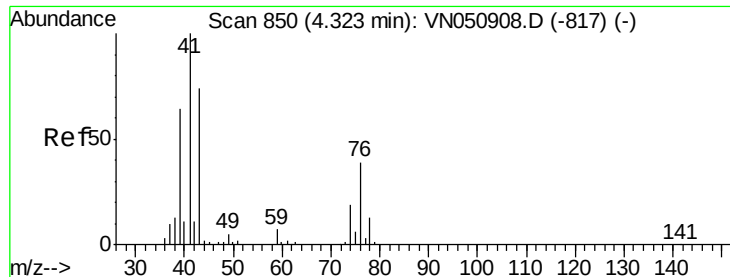
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050970.D (-611) (-)

Ion 78.00 (77.70 to 78.70): VN050970.D (-611) (-)





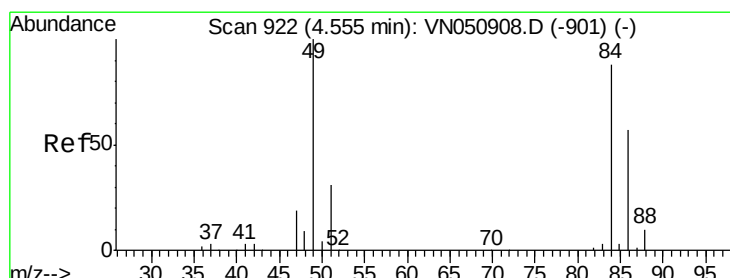
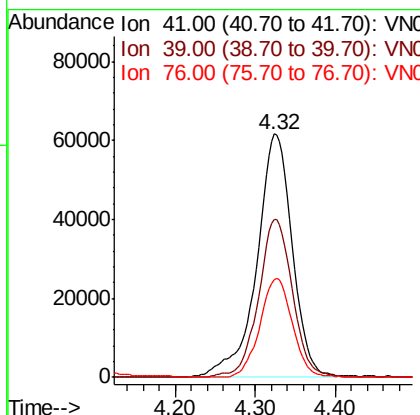
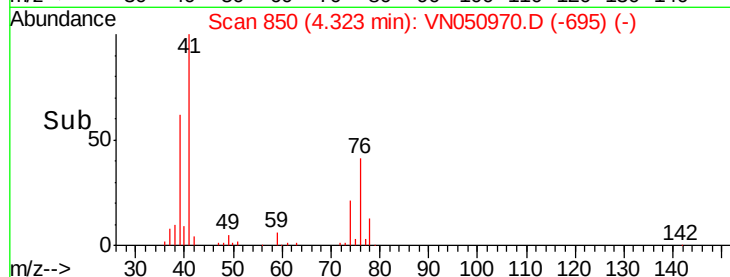
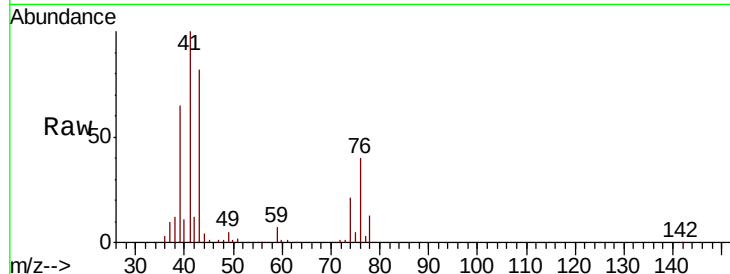
#17
Allvl chloride
Concen: 17.94 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	189012
Ion	Ratio	Lower	Upper
41	100		
39	64.9	32.2	96.6
76	40.0	19.6	58.7

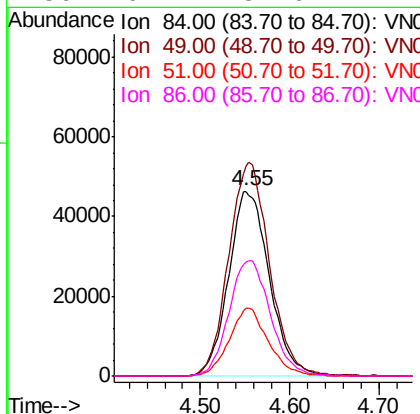
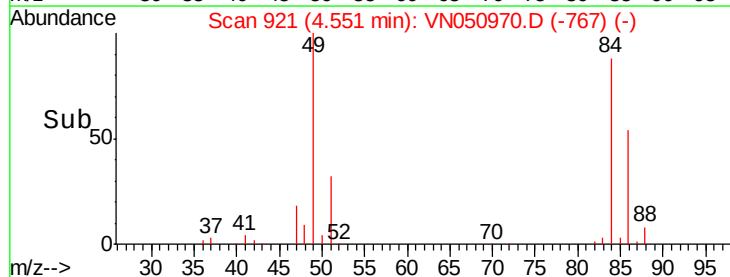
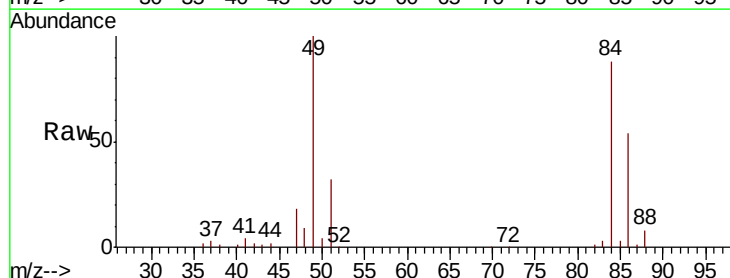
Manual Integrations
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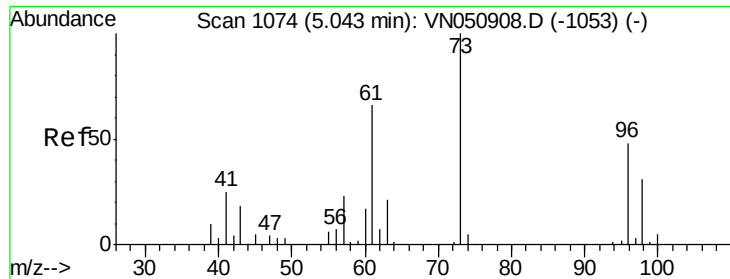
MMDadoda
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#18
Methylene Chloride
Concen: 18.66 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion:	84	Resp:	146623
Ion	Ratio	Lower	Upper
84	100		
49	113.3	90.6	135.8
51	36.8	28.4	42.6
86	61.7	51.6	77.4





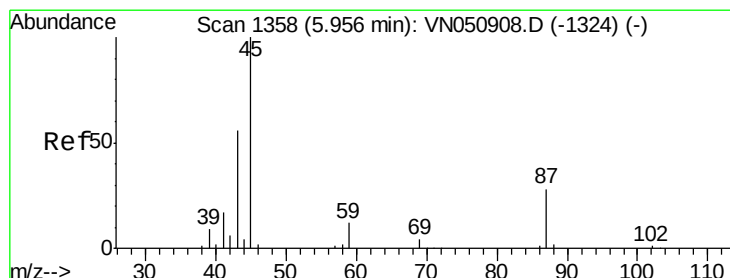
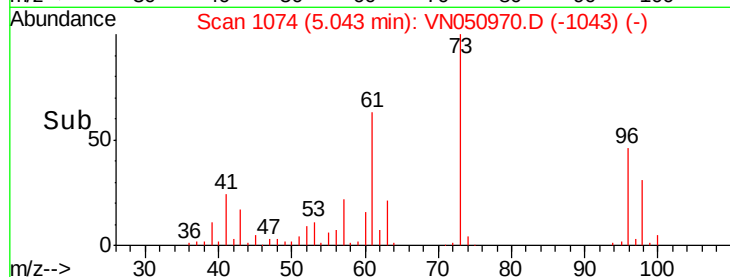
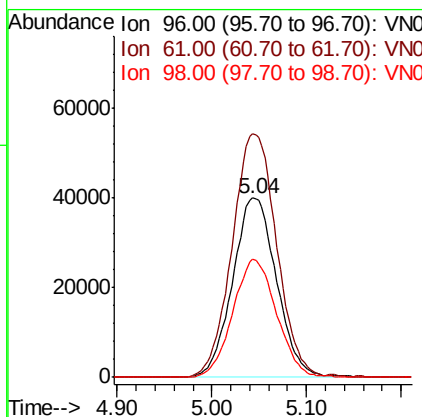
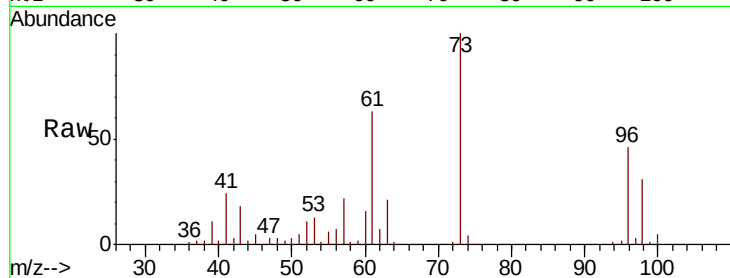
#19
trans-1,2-Dichloroethene
Concen: 18.06 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	109.5	164.3
98	66.2	51.9	77.9

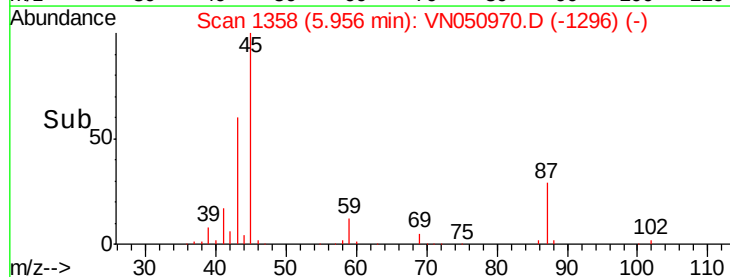
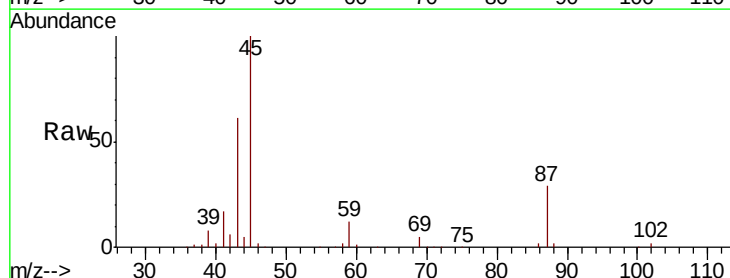
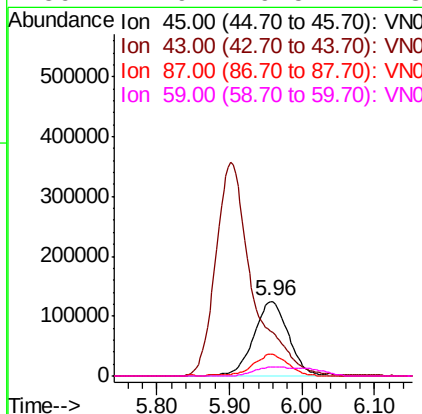
Manual Integrations
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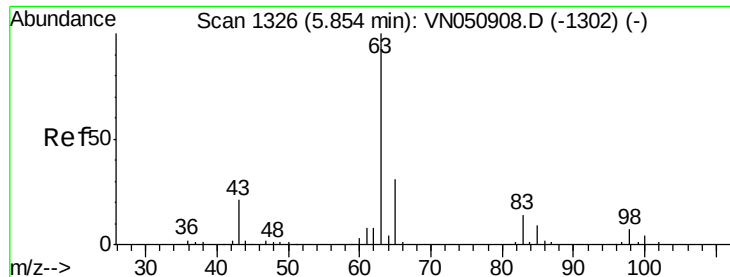
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#20
Diisopropyl ether
Concen: 19.01 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	47.0	70.6
87	28.8	22.8	34.2
59	11.9	9.5	14.3





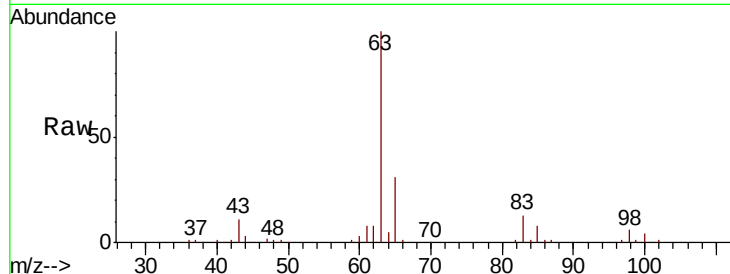
#21
 1,1-Dichloroethane
 Concen: 18.66 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	250124		
98	6.5		3.3	9.9
100	4.1		2.0	6.0

Manual Integrations
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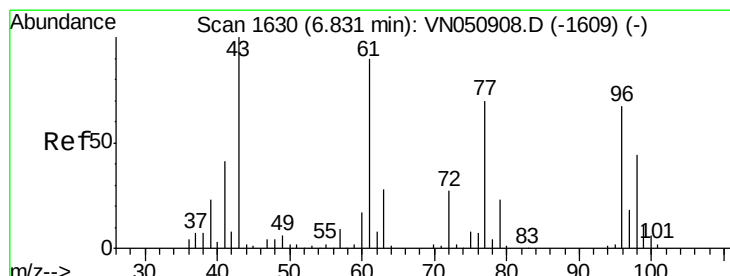
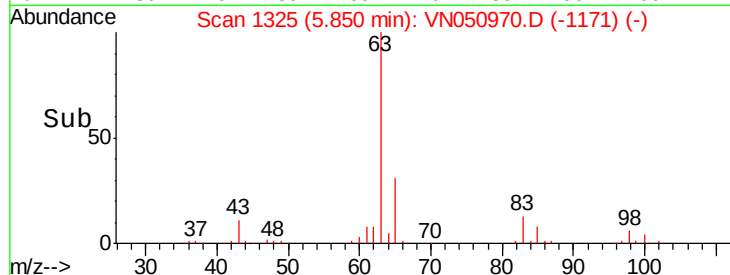
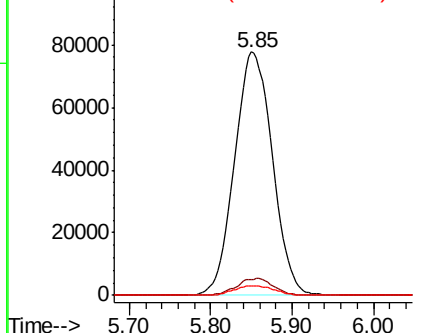


Abundance

Ion 63.00 (62.70 to 63.70): VN050970.D (-1171) (-)

Ion 98.00 (97.70 to 98.70): VN050970.D (-1171) (-)

Ion 100.00 (99.70 to 100.70): VN050970.D (-1171) (-)



#22
 cis-1,2-Dichloroethene
 Concen: 18.19 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

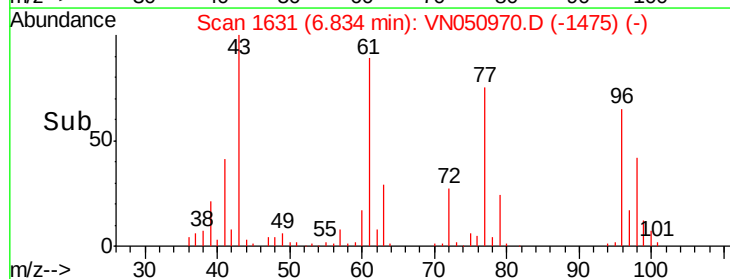
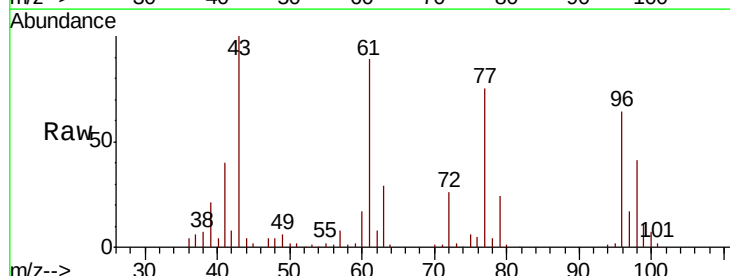
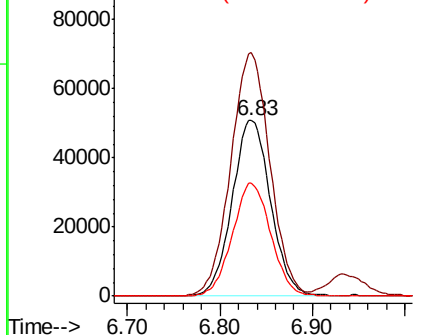
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	146570		
61	141.0		110.0	165.0
98	64.3		51.7	77.5

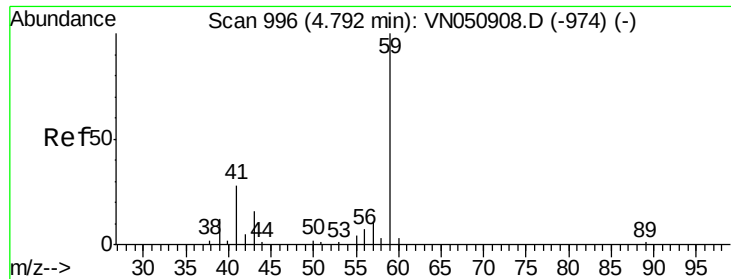
Abundance

Ion 96.00 (95.70 to 96.70): VN050970.D (-1475) (-)

Ion 61.00 (60.70 to 61.70): VN050970.D (-1475) (-)

Ion 98.00 (97.70 to 98.70): VN050970.D (-1475) (-)





#23

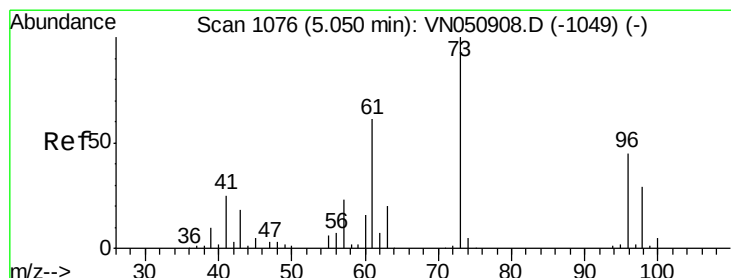
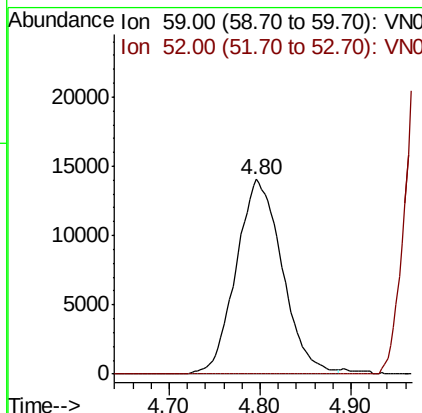
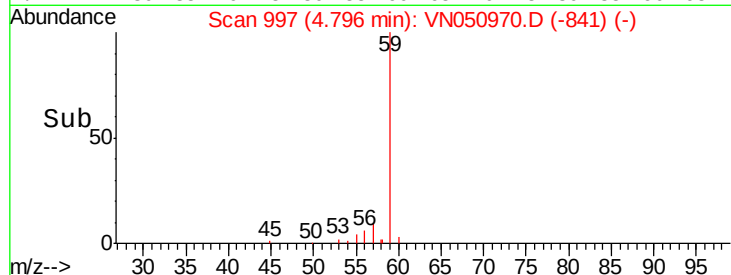
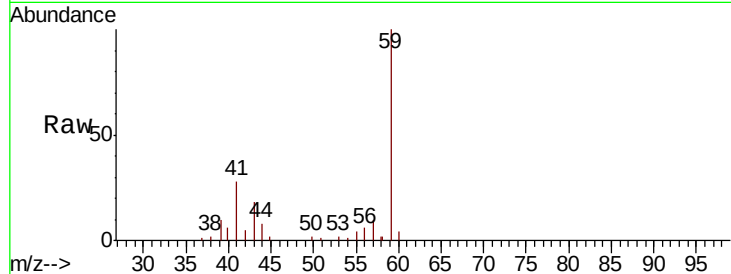
tert-Butyl Alcohol
 Concen: 88.89 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

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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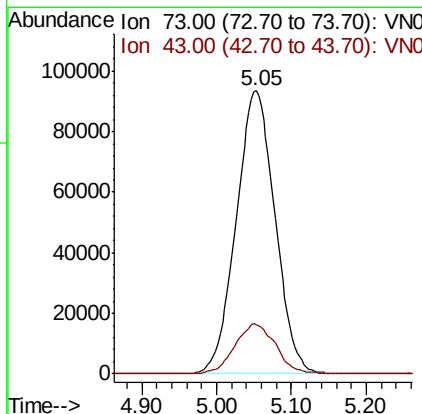
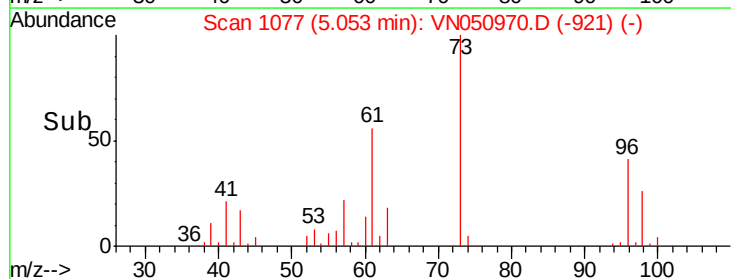
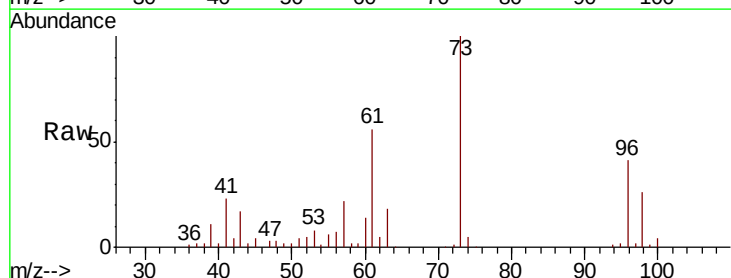
MMDadoda
 8/31/2018 11:32:23 AM

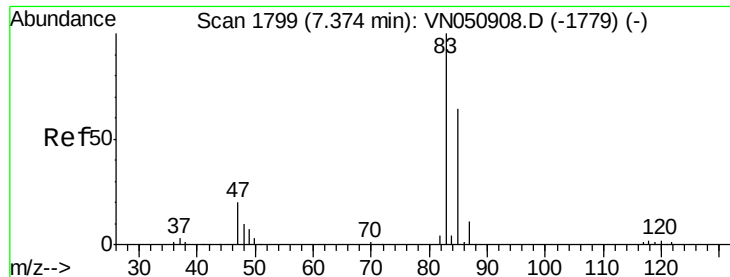


#24

Methyl tert-Butyl Ether
 Concen: 18.42 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
73	100		
43	17.9	14.4	21.6





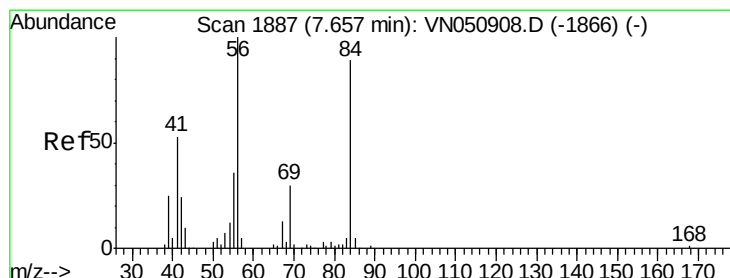
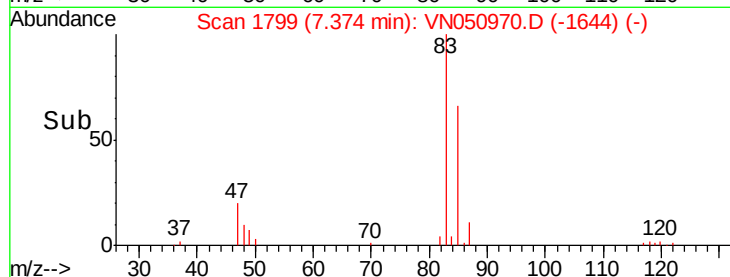
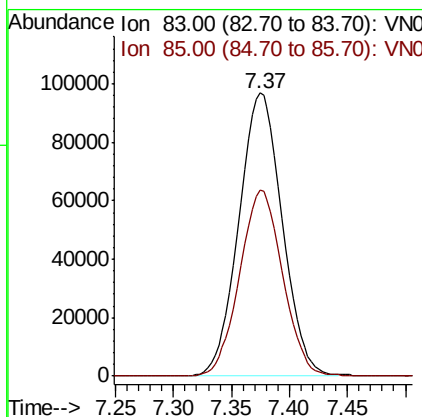
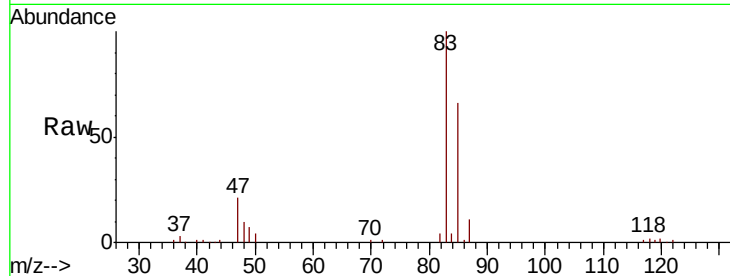
#25
Chloroform
Concen: 18.88 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	252606
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	51.4	77.0

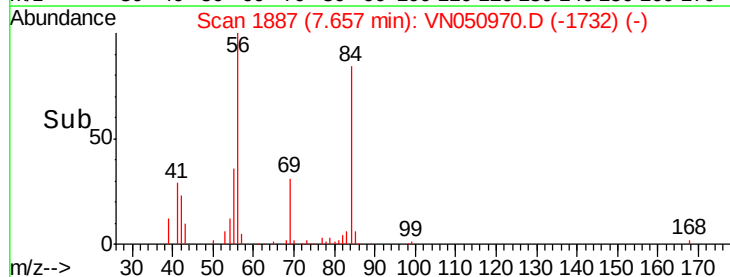
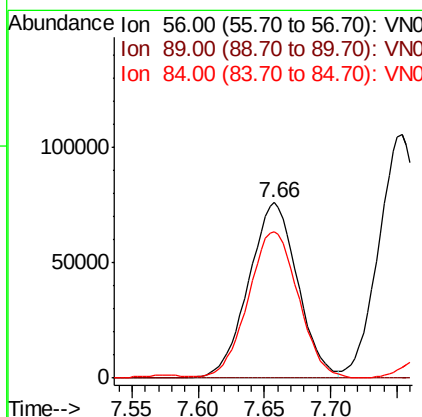
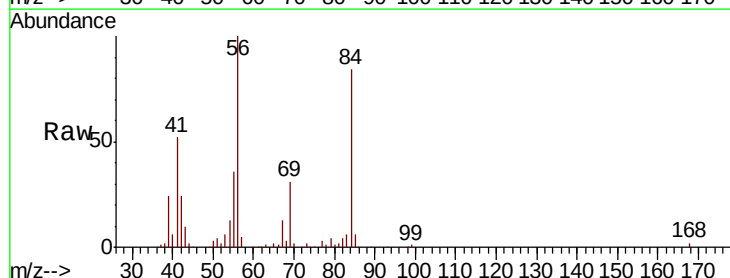
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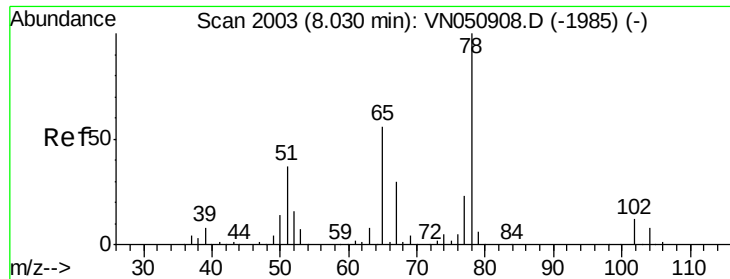
MMDadoda
8/31/2018 11:32:23 AM



#26
Cyclohexane
Concen: 17.66 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	56	Resp	196128
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	0.4	0.6#
84	85.6	70.4	105.6





#27

1,2-Dichloroethane-d4

Concen: 29.82 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 65 Resp: 235741

Ion Ratio Lower Upper

65 100

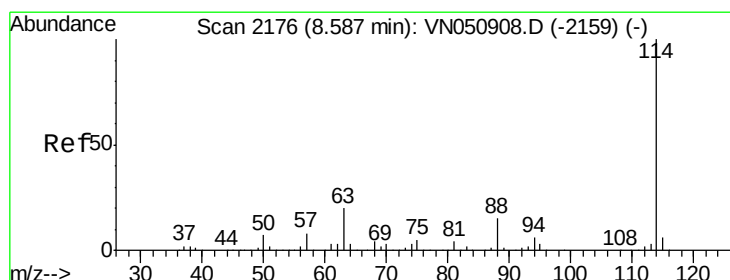
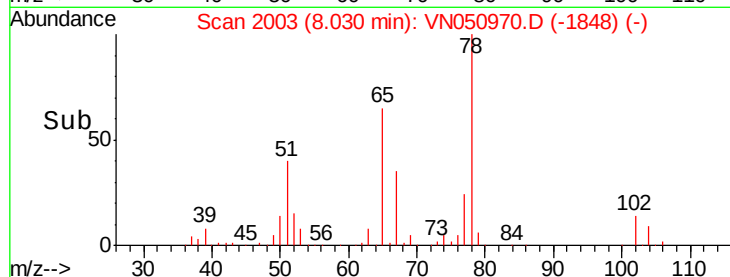
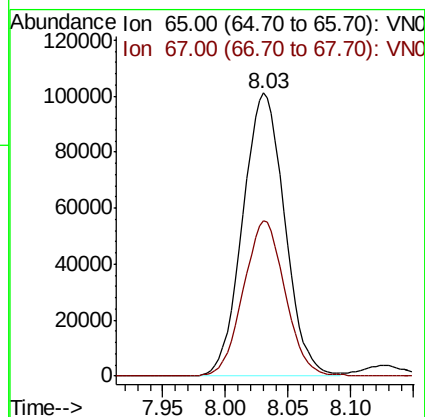
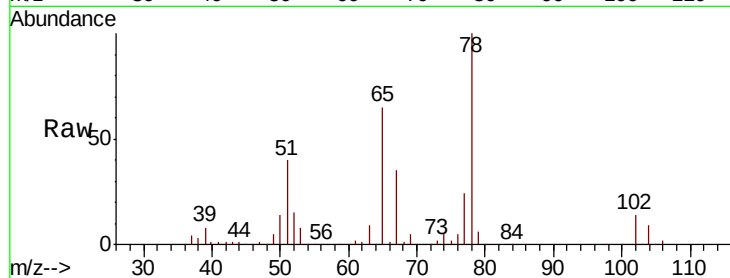
67 54.6 43.7 65.5

Manual Integrations

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MMDadoda

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#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

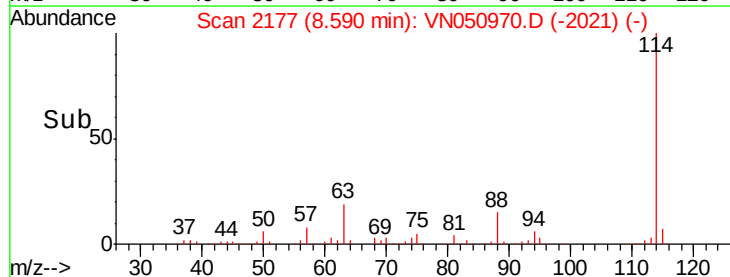
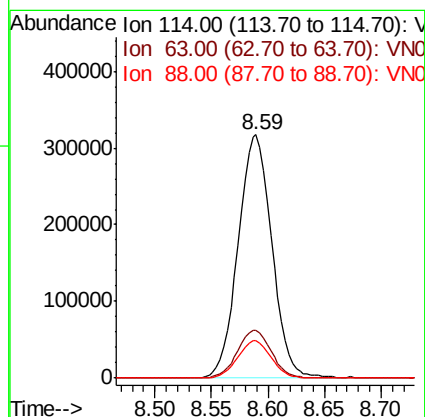
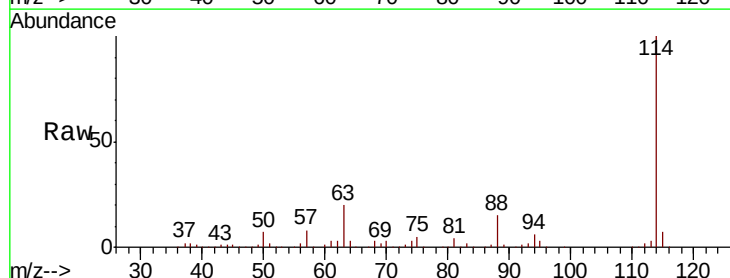
Tgt Ion: 114 Resp: 660006

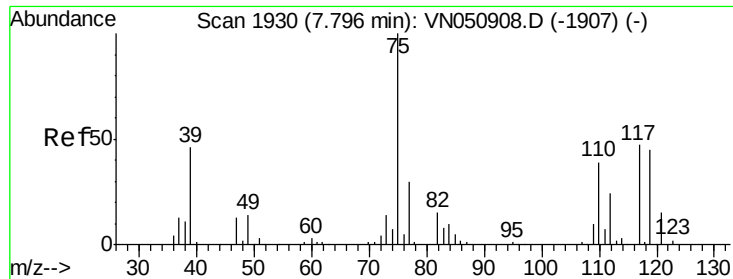
Ion Ratio Lower Upper

114 100

63 19.8 15.6 23.4

88 15.2 12.2 18.4





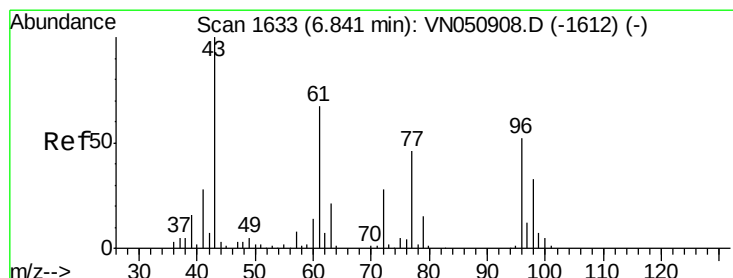
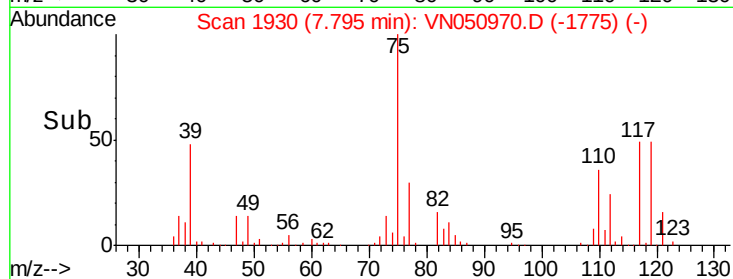
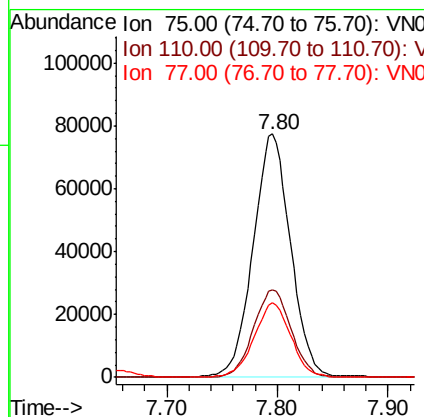
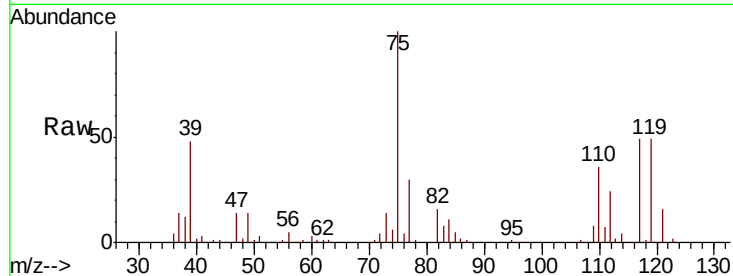
#29
 1,1-Dichloropropene
 Concen: 18.49 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.2	0.0	75.0
77	30.2	0.0	60.6

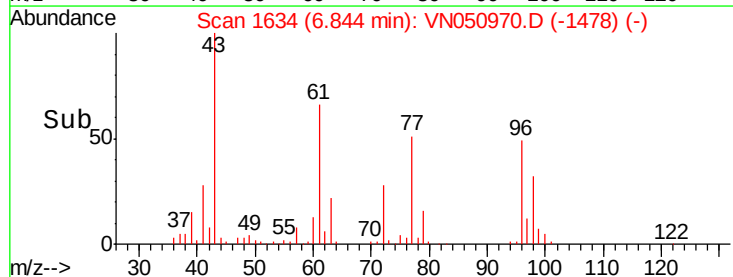
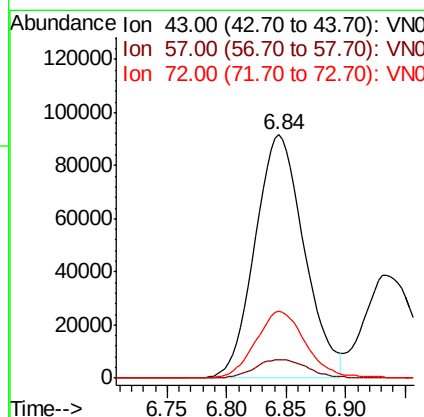
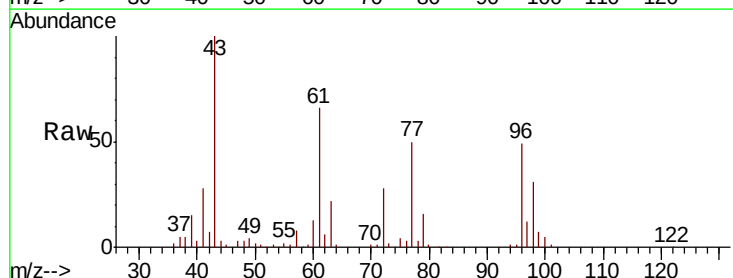
Manual Integrations
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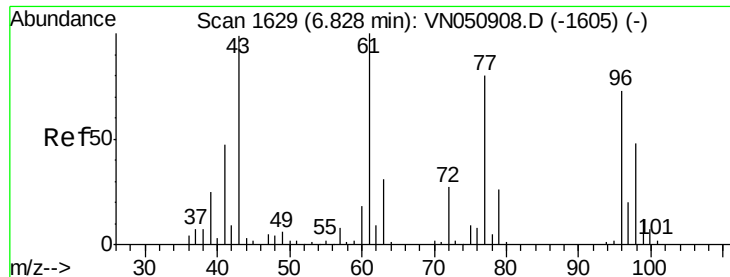
MMDadoda
 8/31/2018 11:32:23 AM



#30
 2-Butanone
 Concen: 86.28 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.9	10.3
72	28.2	22.8	34.2





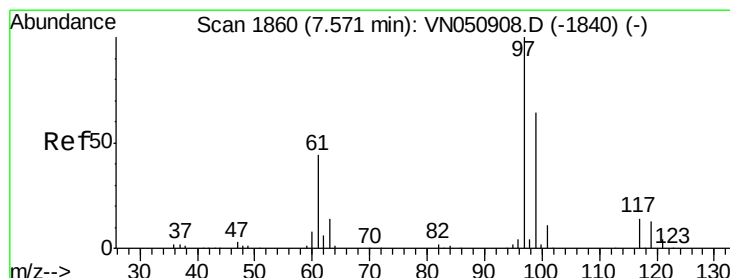
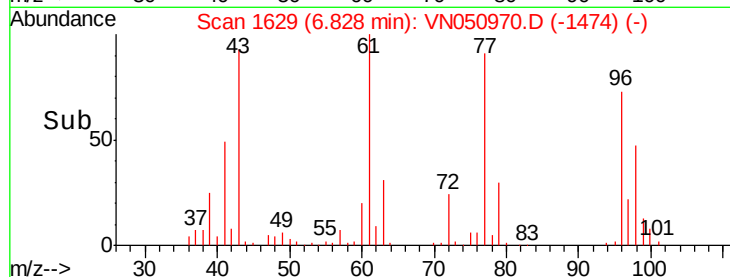
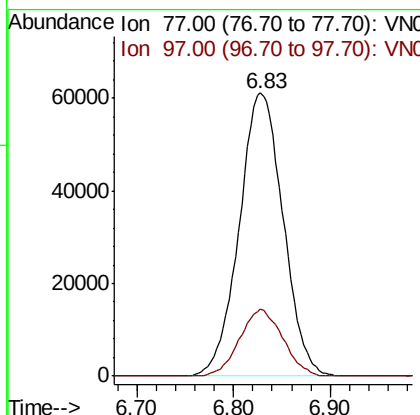
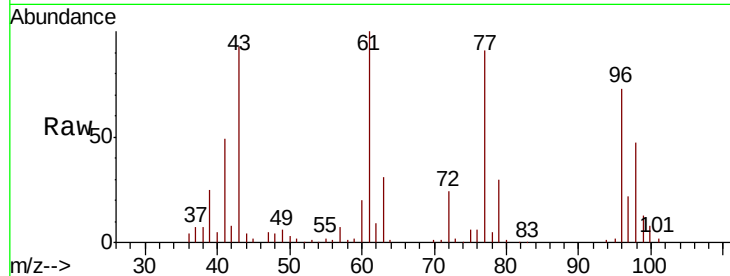
#31
 2,2-Dichloropropane
 Concen: 20.01 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.3	20.2	30.2

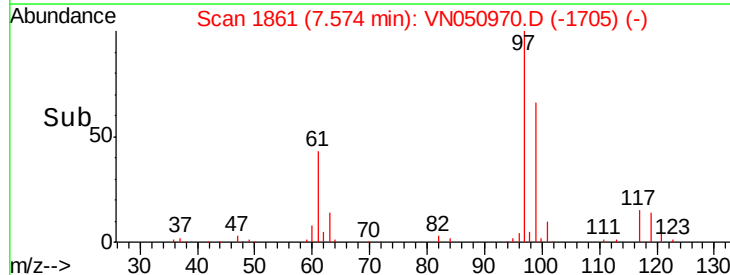
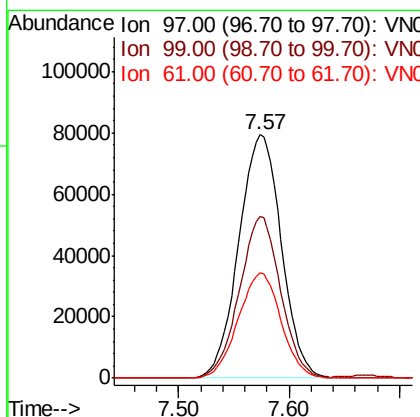
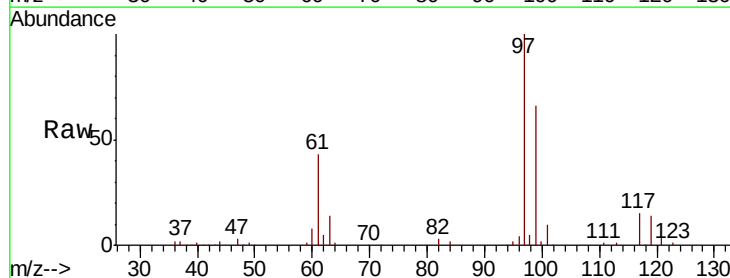
Manual Integrations
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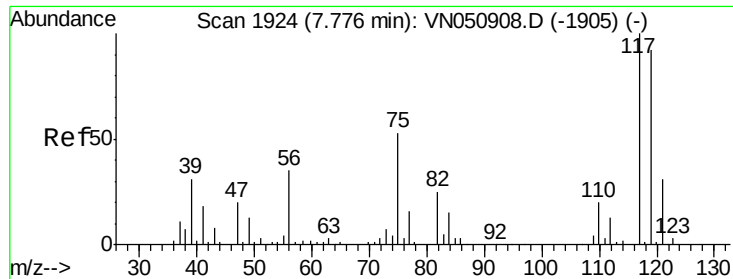
MMDadoda
 8/31/2018 11:32:23 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.94 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.0	78.0
61	43.4	35.0	52.6





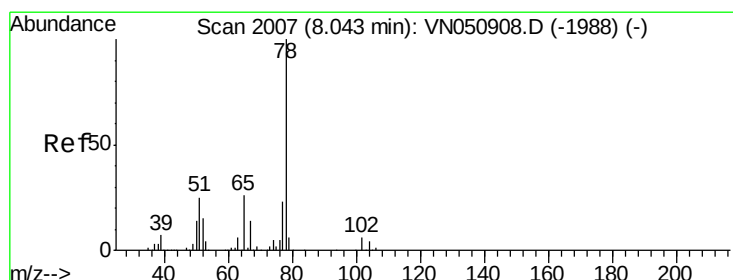
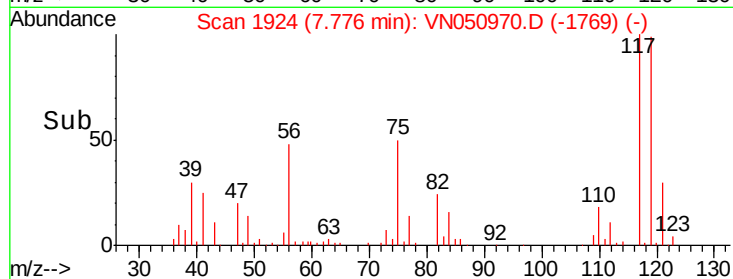
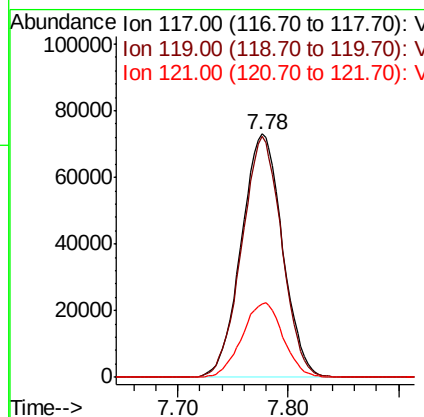
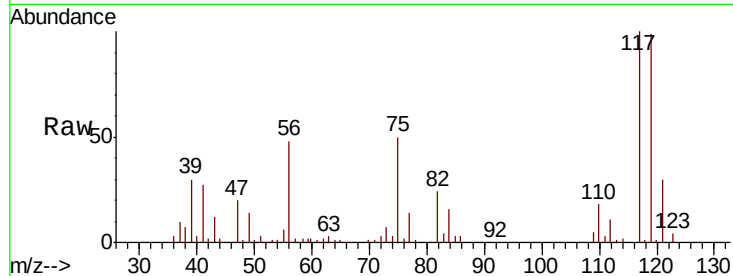
#33
Carbon Tetrachloride
Concen: 18.70 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	188726		
119	99.2	73.5	110.3	
121	30.1	24.6	37.0	

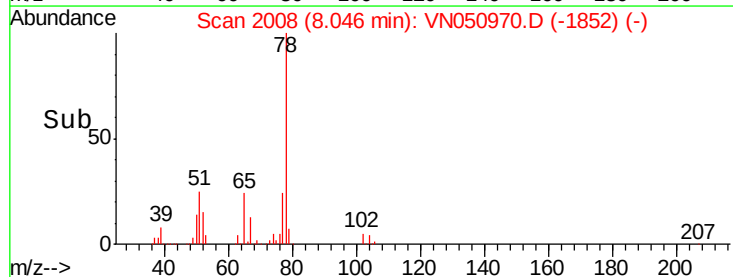
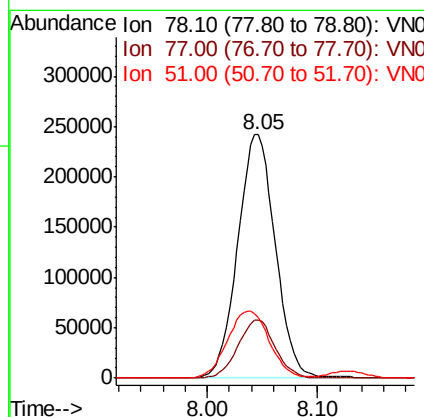
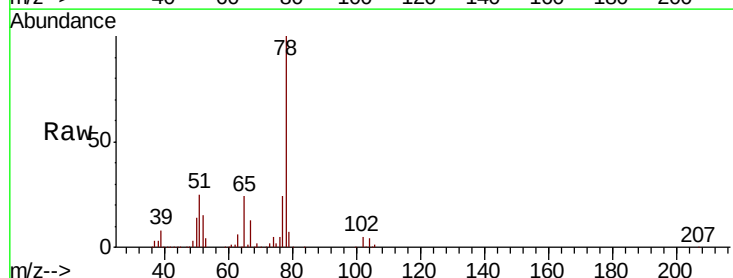
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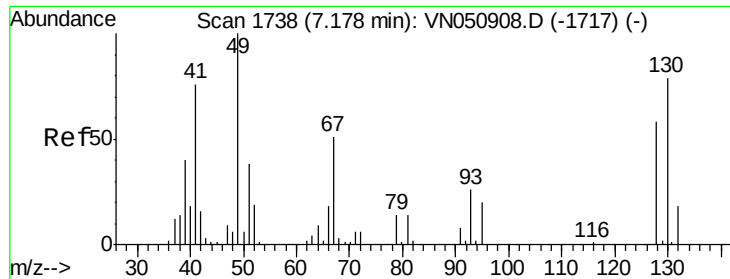
MMDadoda
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#34
Benzene
Concen: 18.64 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	569858		
77	24.0	18.6	28.0	
51	24.7	20.0	30.0	





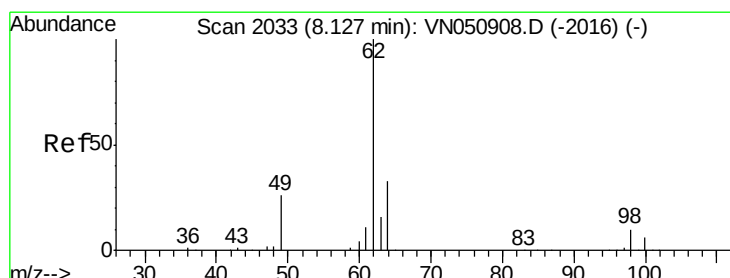
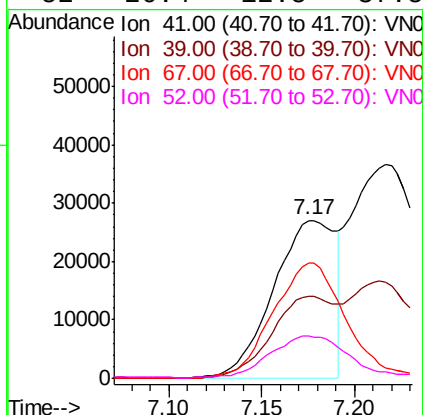
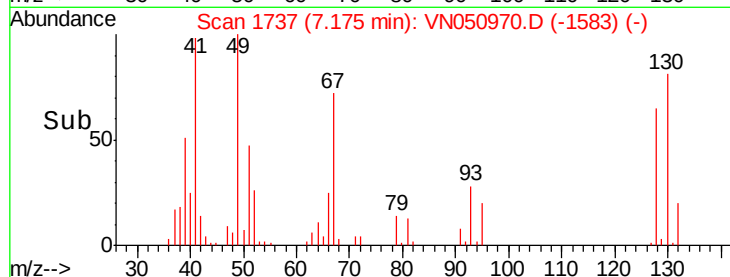
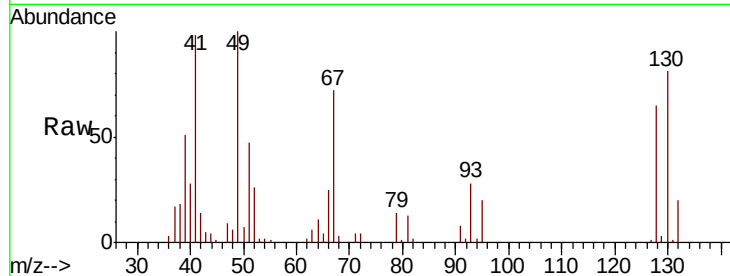
#35
Methacrylonitrile
Concen: 19.01 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	63317
Ion	Ratio	Lower	Upper
41	100		
39	52.2	26.2	78.5
67	73.1	33.9	101.6
52	26.4	12.5	37.5

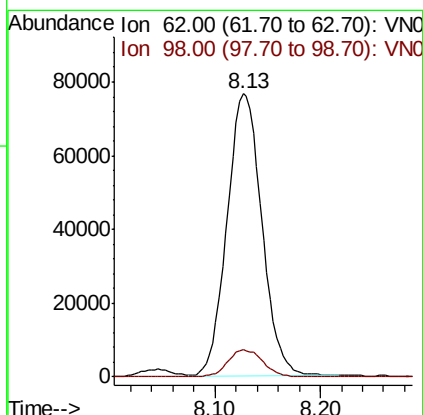
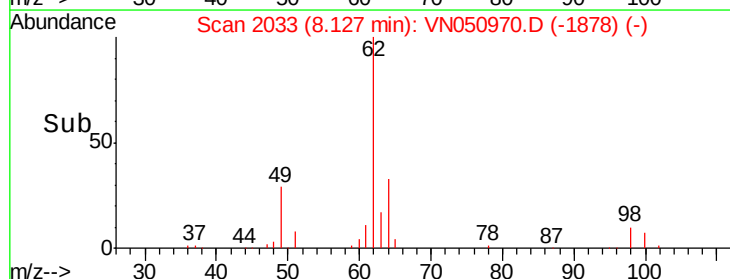
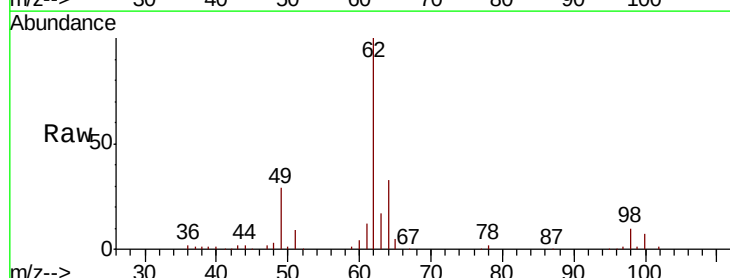
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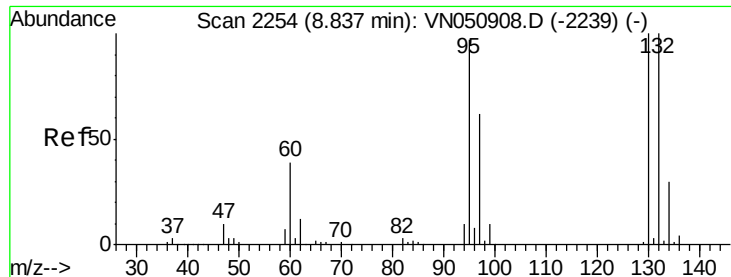
MMDadoda
8/31/2018 11:32:23 AM



#36
1,2-Dichloroethane
Concen: 18.99 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion:	62	Resp:	175590
Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.0	12.0





#37

Trichloroethene

Concen: 18.34 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 146540

Ion Ratio Lower Upper

130 100

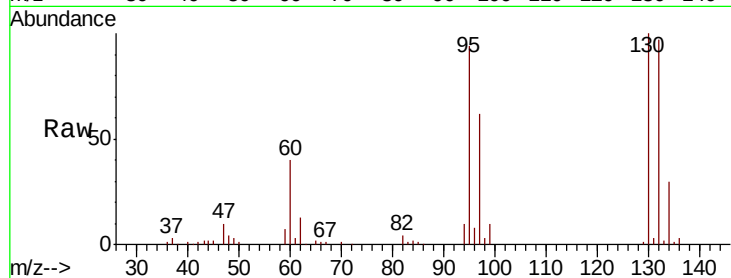
95 94.2 77.4 116.0

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

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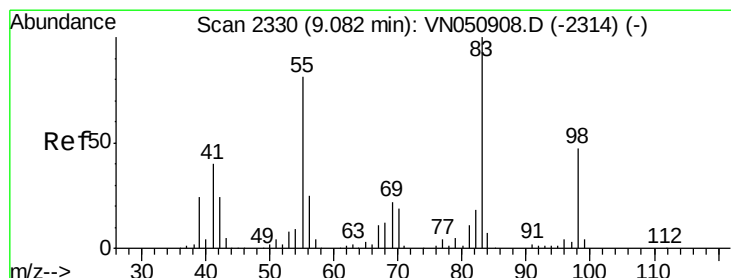
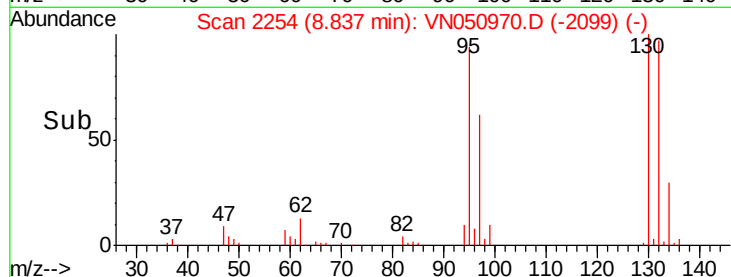
8.84

8.84

8.84

8.84

8.84



#38

Methylcyclohexane

Concen: 17.74 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

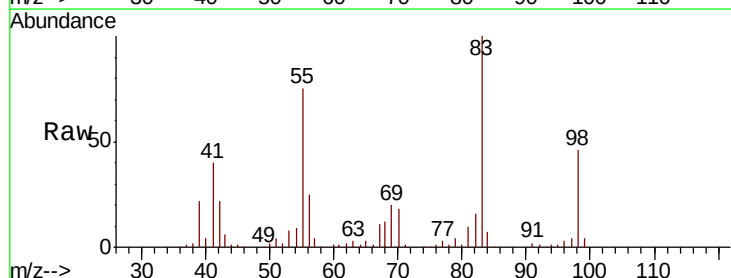
Tgt Ion: 83 Resp: 188228

Ion Ratio Lower Upper

83 100

55 77.1 38.9 116.7

98 45.6 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

9.08

9.08

9.08

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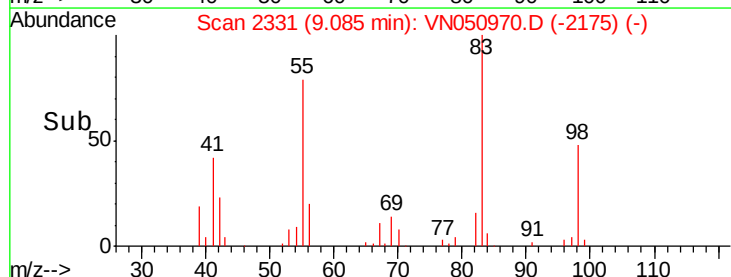
9.08

9.08

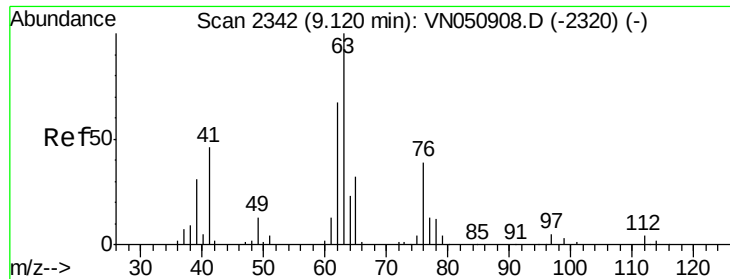
9.08

9.08

9.08



Time-->



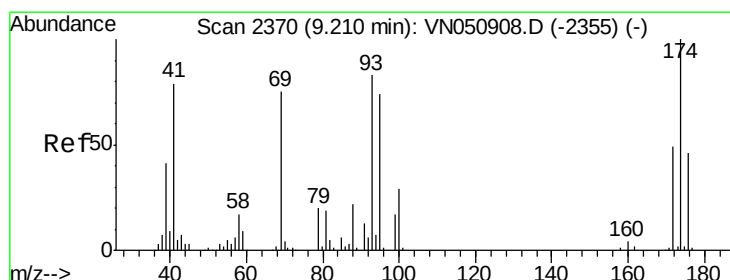
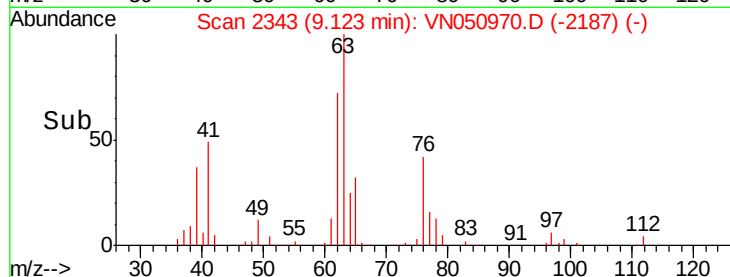
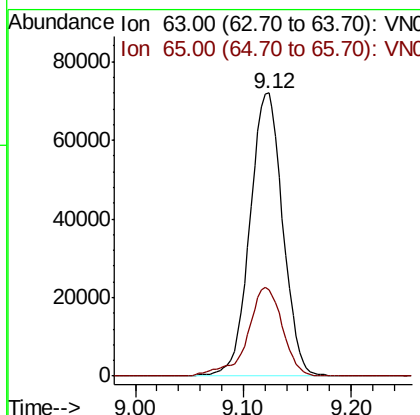
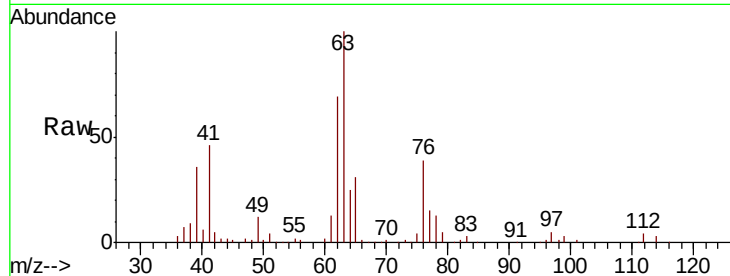
#39
 1,2-Dichloropropane
 Concen: 19.07 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	152206
Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.6	38.4

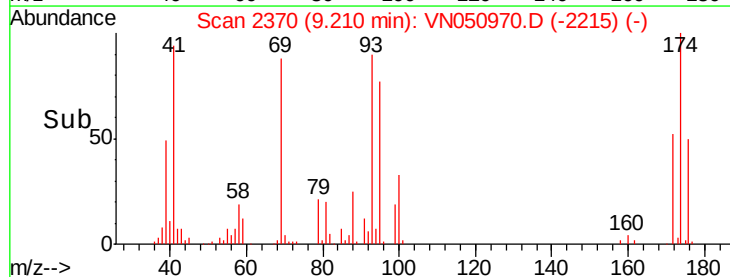
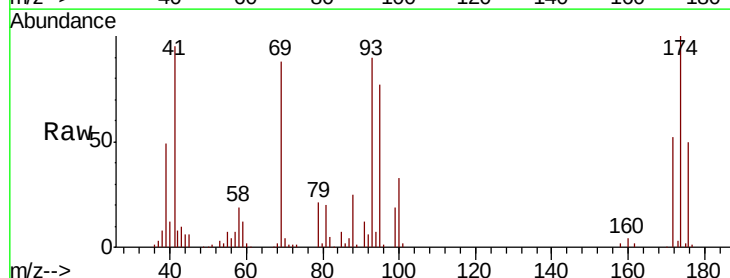
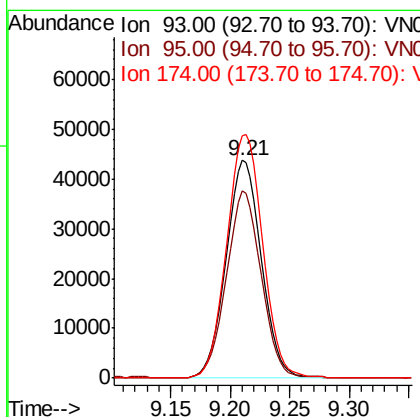
Manual Integrations
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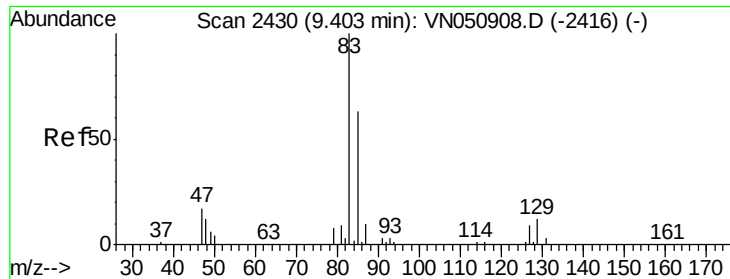
MMDadoda
 8/31/2018 11:32:23 AM



#40
 Dibromomethane
 Concen: 18.74 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	93	Resp	90113
Ion	Ratio	Lower	Upper
93	100		
95	84.8	0.0	173.4
174	114.1	0.0	234.8





#41

Bromodichloromethane

Concen: 18.76 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

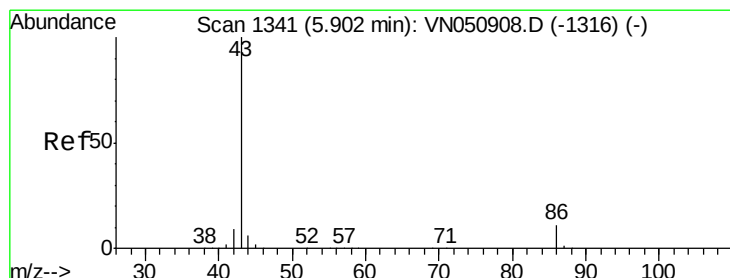
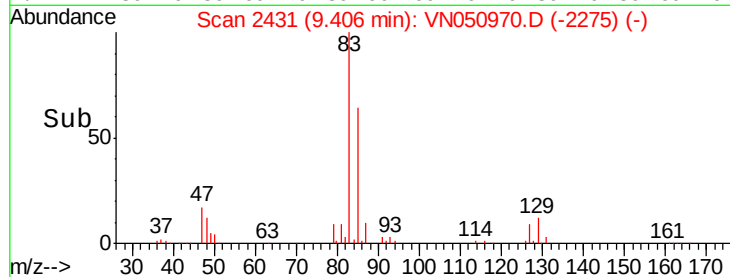
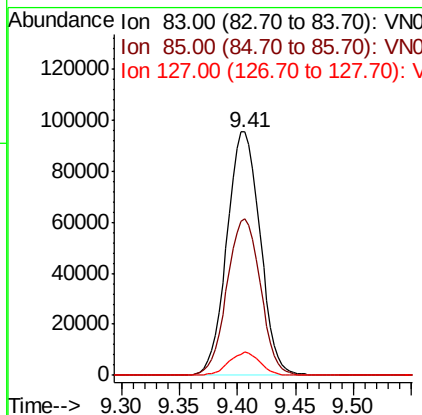
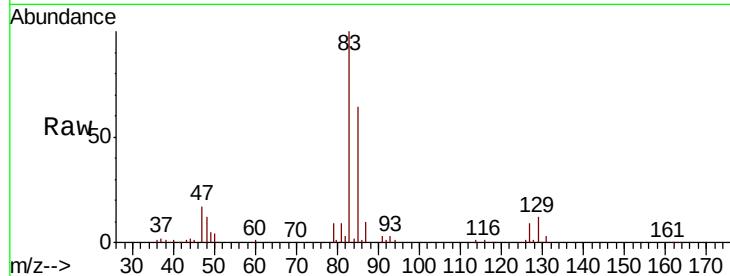
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	190173
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0
127	9.5	7.1	10.7

Manual Integrations
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MMDadoda
8/31/2018 11:32:23 AM



#42

Vinyl Acetate

Concen: 89.97 ug/l

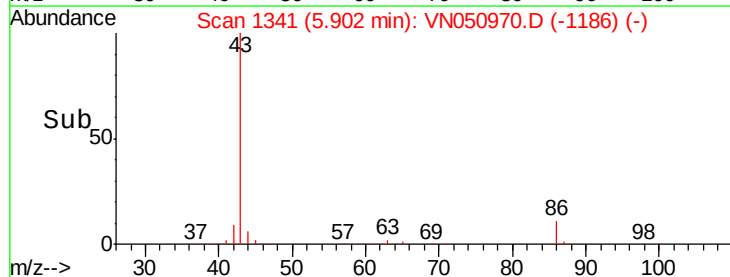
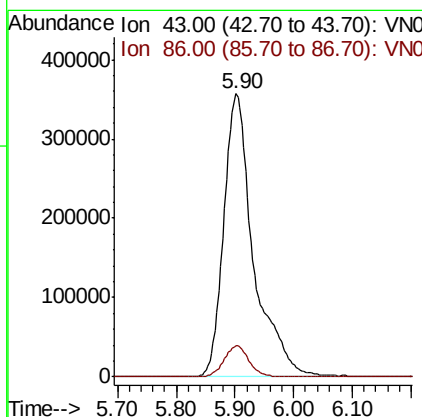
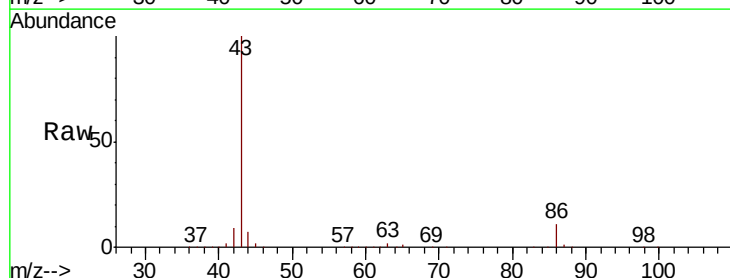
RT: 5.90 min Scan# 1341

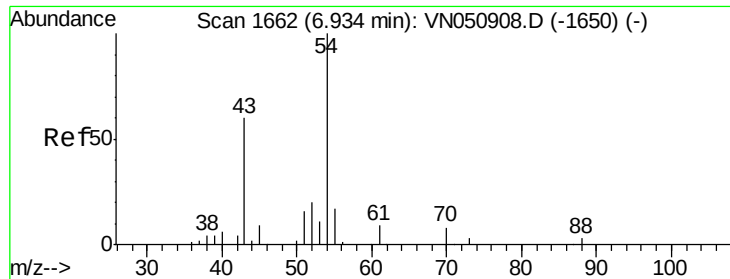
Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Tgt Ion:	43	Resp:	1259633
Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.2	10.8





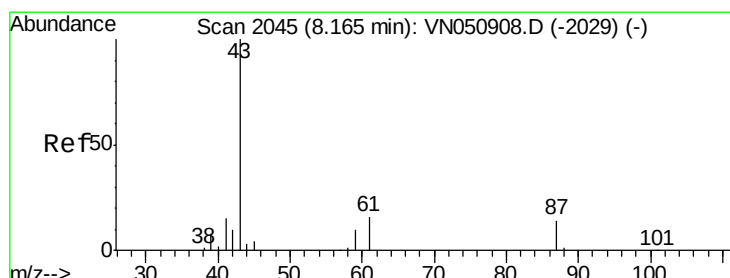
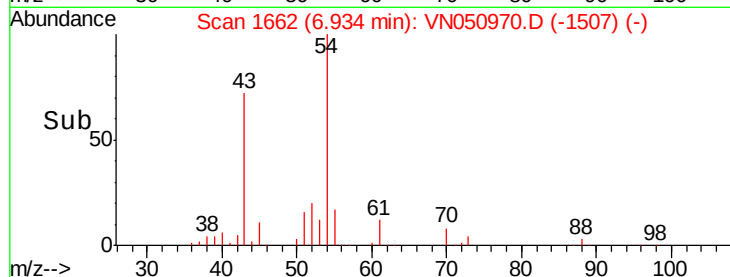
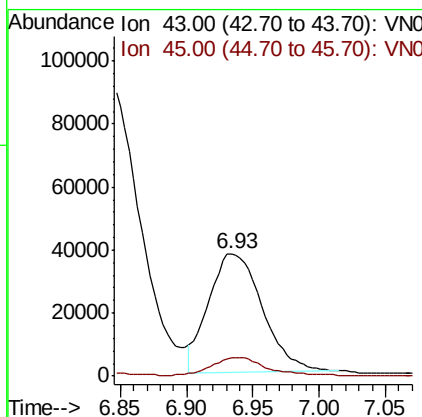
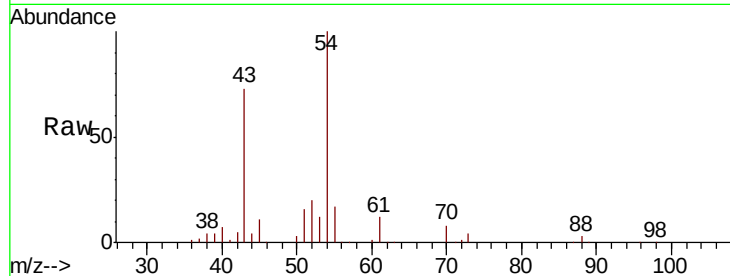
#43
Ethyl Acetate
Concen: 17.06 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 43 Resp: 106211
Ion Ratio Lower Upper
43 100
45 14.3 10.2 15.2

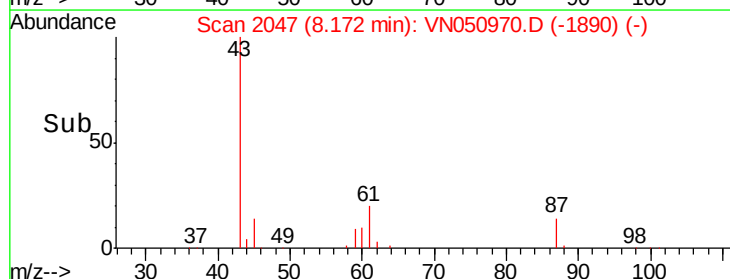
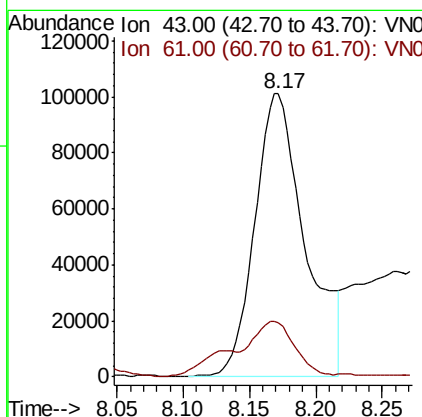
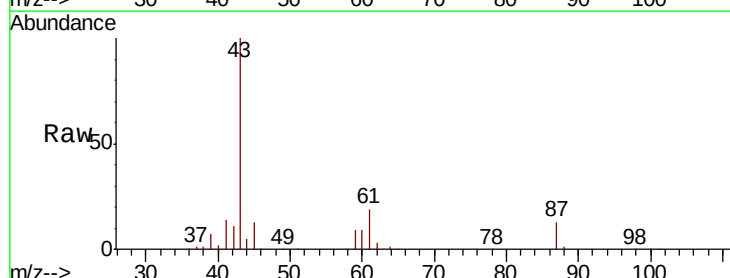
Manual Integrations
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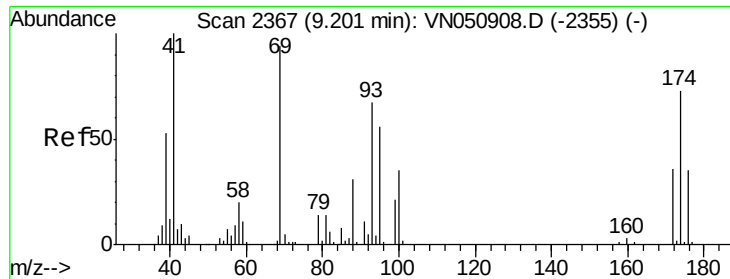
MMDadoda
8/31/2018 11:32:23 AM



#44
Isopropyl Acetate
Concen: 24.16 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.01 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 43 Resp: 265498
Ion Ratio Lower Upper
43 100
61 15.9 16.3 24.5#





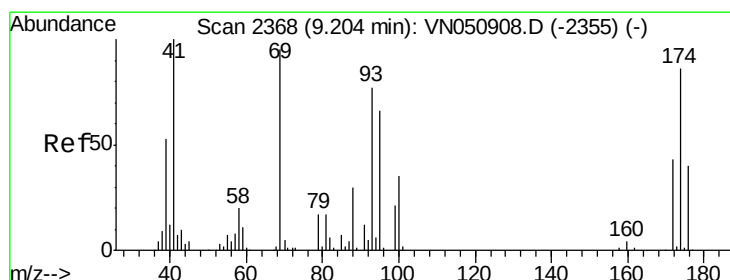
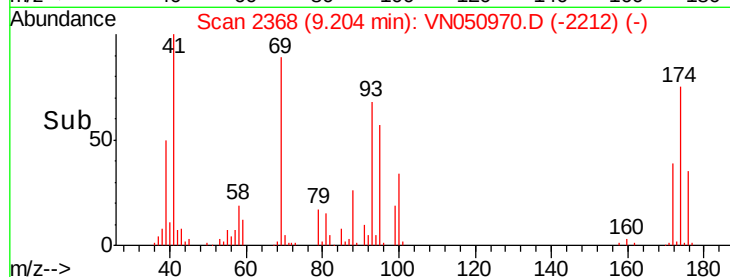
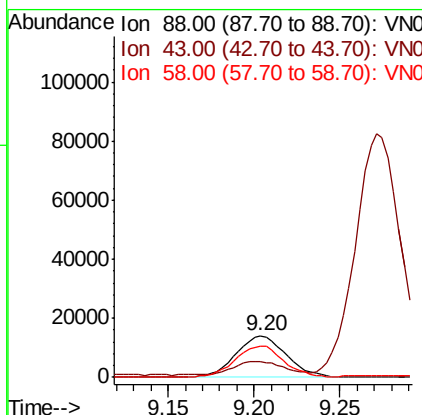
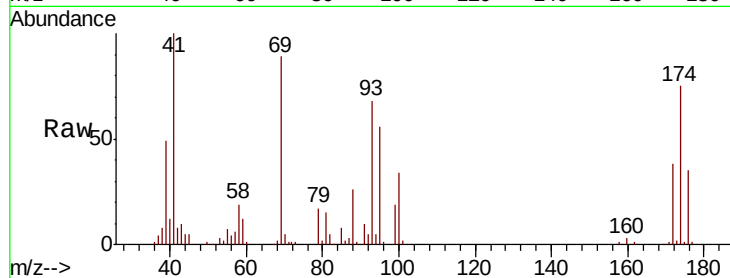
#45
 1,4-Dioxane
 Concen: 347.87 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	23.5	35.3
58	74.6	55.2	82.8

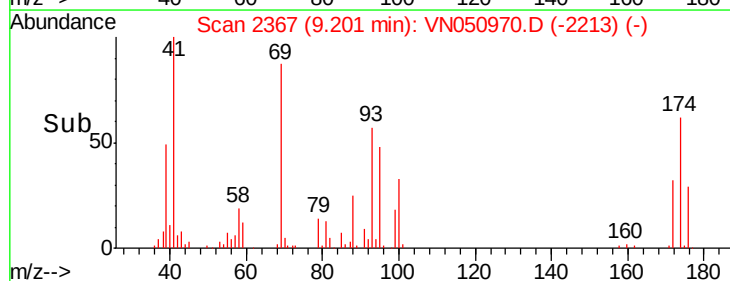
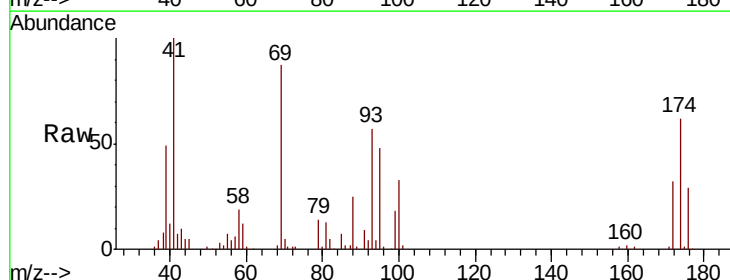
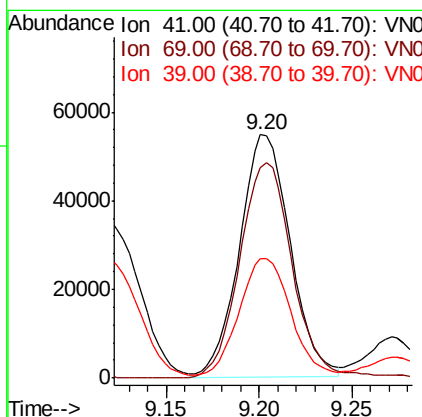
Manual Integrations
 APPROVED

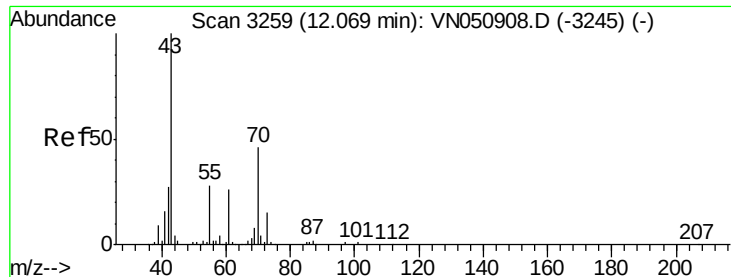
MMDadoda
 8/31/2018 11:32:23 AM



#46
 Methyl methacrylate
 Concen: 18.97 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.7	47.4	142.2
39	48.7	26.6	79.7





#47

n-amyl Acetate

Concen: 16.71 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 147634

Ion Ratio Lower Upper

43 100

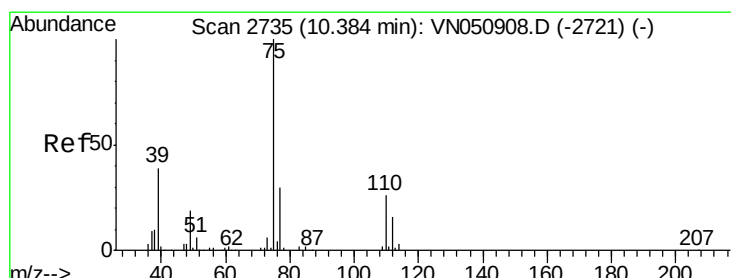
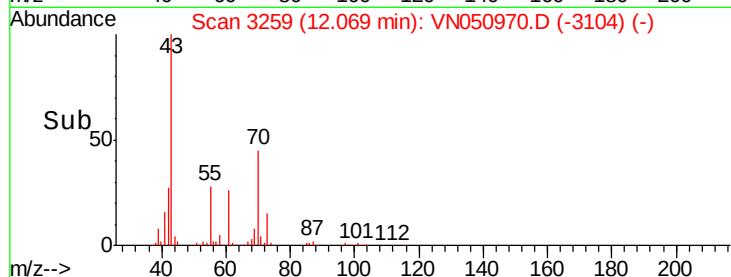
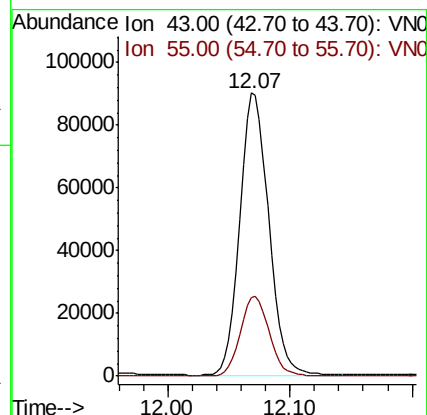
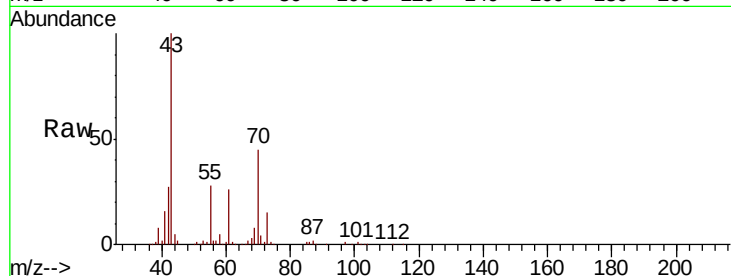
55 28.1 23.0 34.4

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#48

t-1,3-Dichloropropene

Concen: 18.06 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050970.D

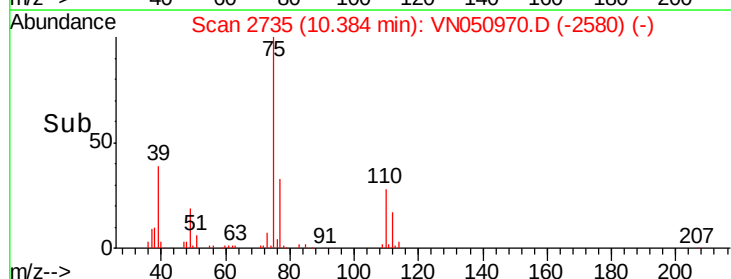
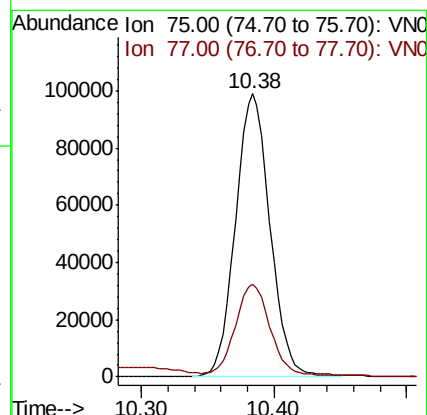
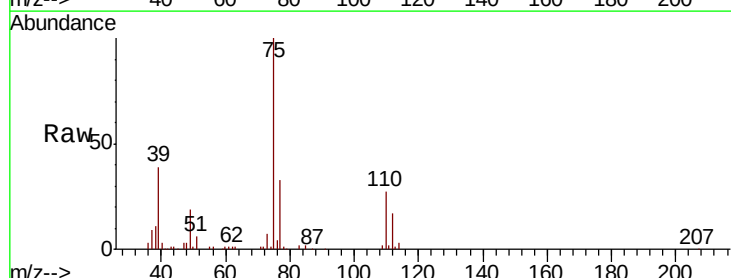
Acq: 30 Aug 2018 18:20

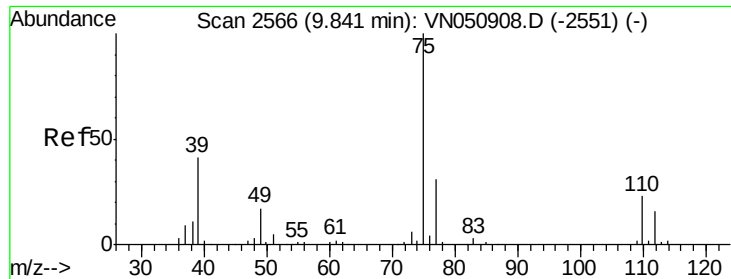
Tgt Ion: 75 Resp: 179459

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2





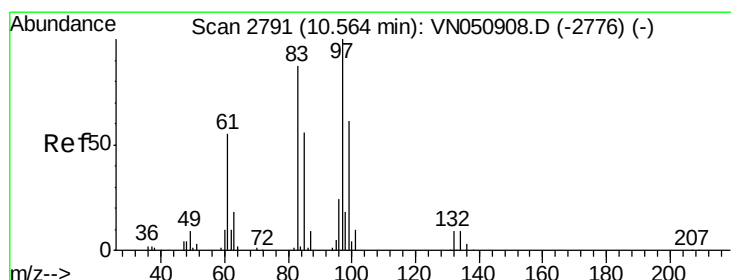
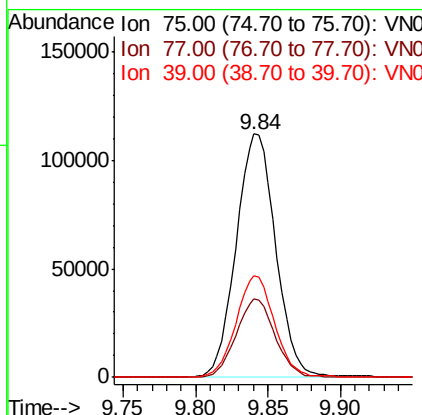
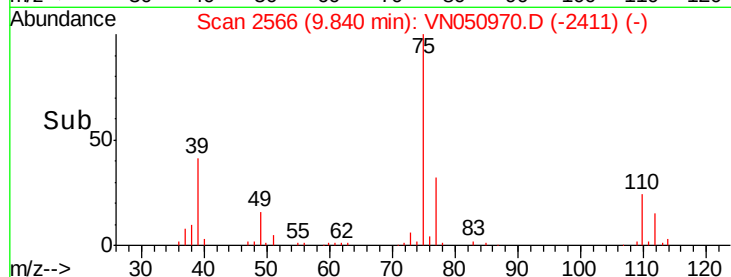
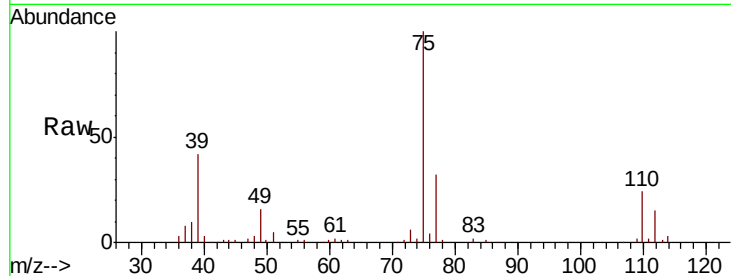
#49
 cis-1,3-Dichloropropene
 Concen: 18.63 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4
39	41.5	32.9	49.3

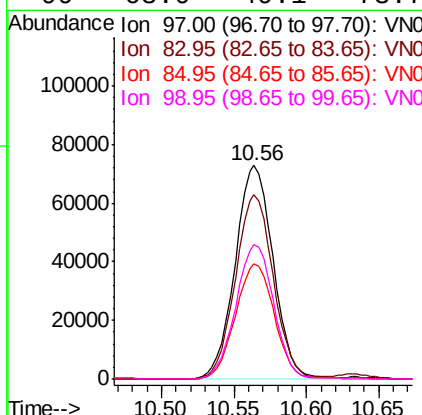
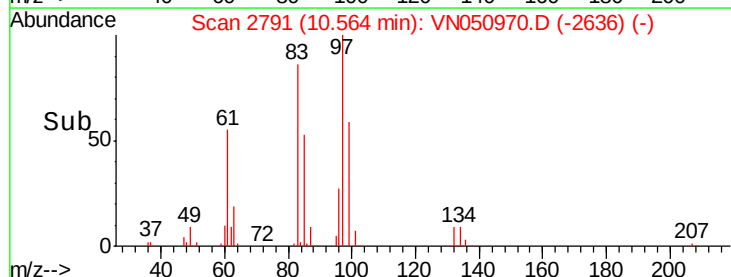
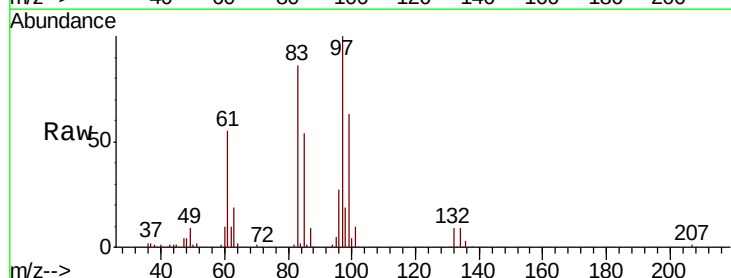
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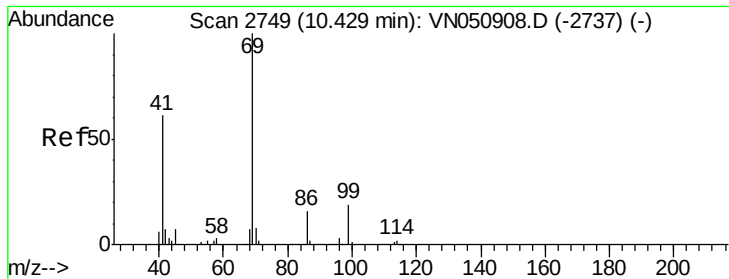
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#50
 1,1,2-Trichloroethane
 Concen: 18.99 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.8	104.6
85	53.8	45.0	67.6
99	63.0	49.1	73.7





#51

Ethyl methacrylate

Concen: 17.22 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

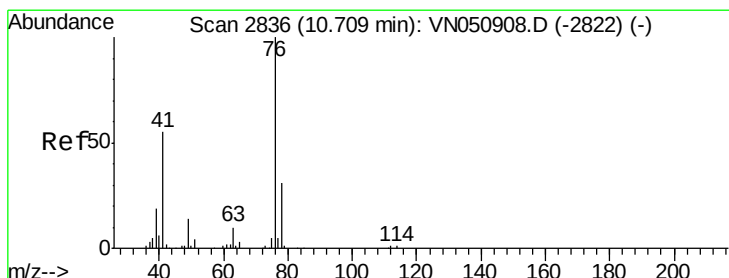
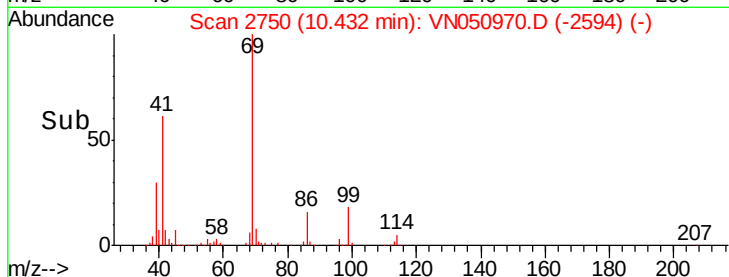
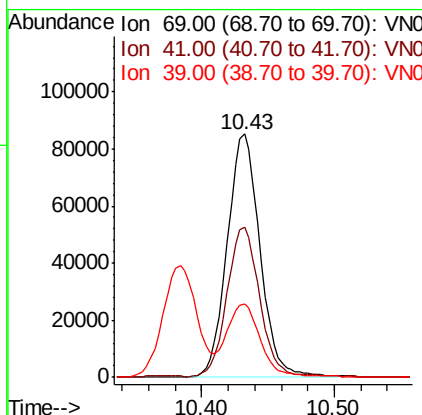
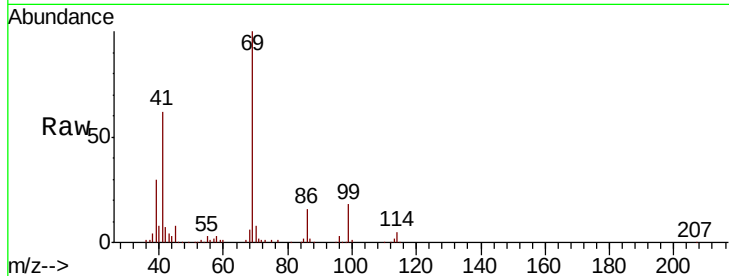
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	147204
Ion	Ratio	Lower	Upper
69	100		
41	61.4	30.5	91.5
39	29.7	15.3	45.8

Manual Integrations
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MMDadoda
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#52

1,3-Dichloropropane

Concen: 18.45 ug/l

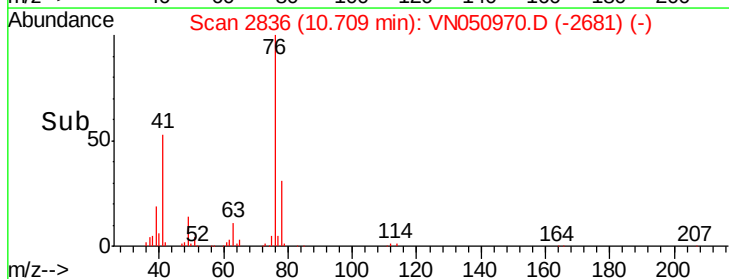
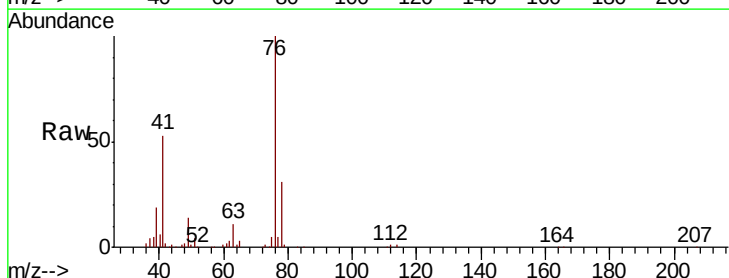
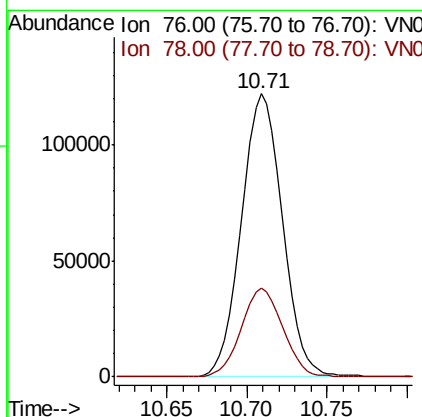
RT: 10.71 min Scan# 2836

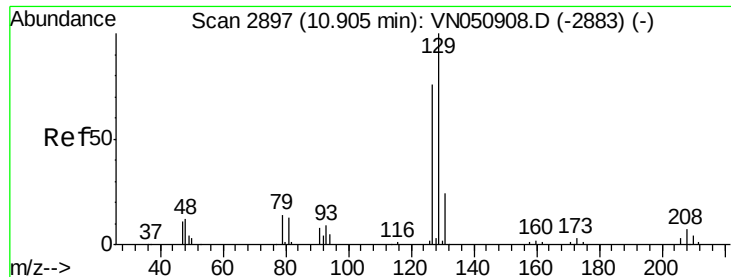
Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Tgt Ion:	76	Resp:	213541
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.4





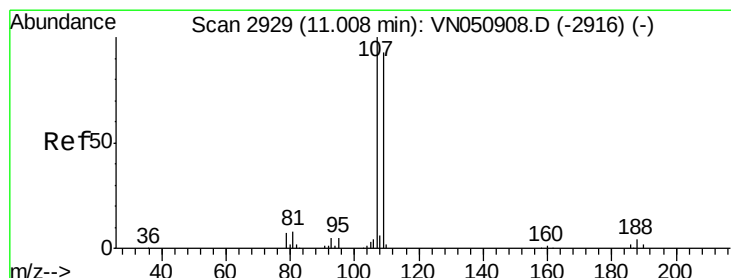
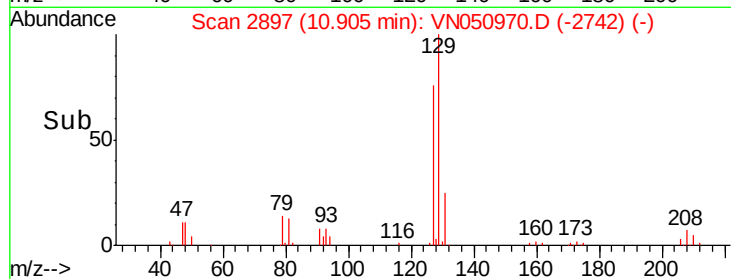
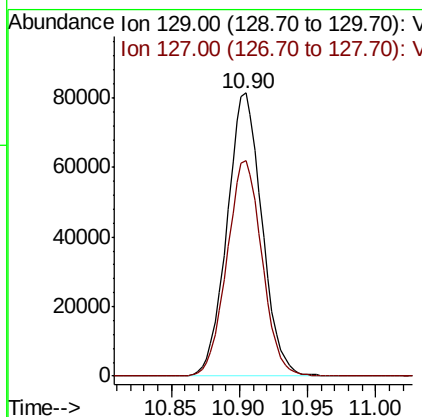
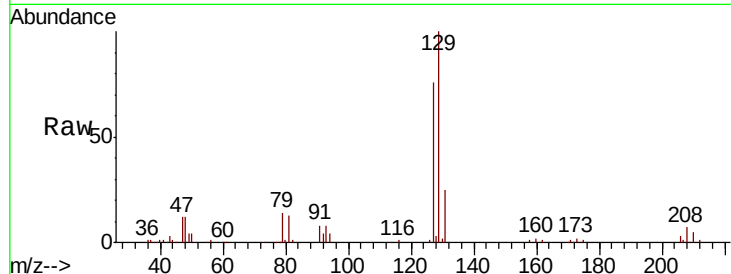
#53
 Dibromochloromethane
 Concen: 18.21 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.0	116.9

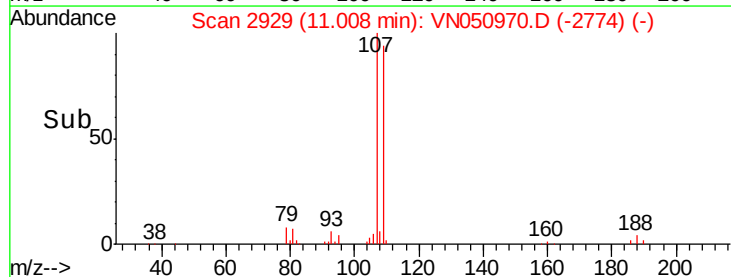
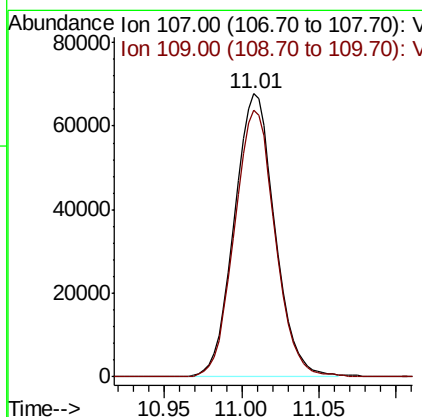
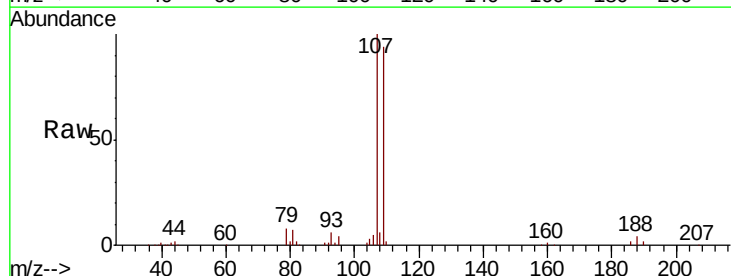
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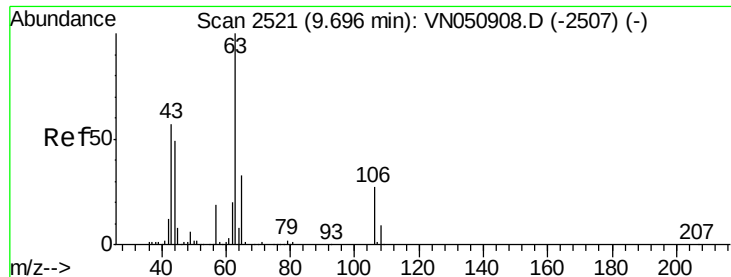
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#54
 1,2-Dibromoethane
 Concen: 17.87 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.4	111.6





#55

2-Chloroethyl vinyl ether

Concen: 87.77 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

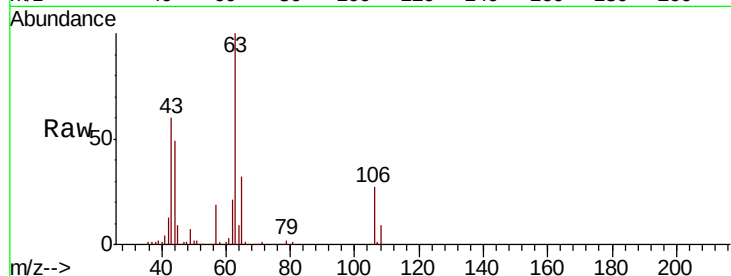
ClientSampleId :

VSTDCCC020

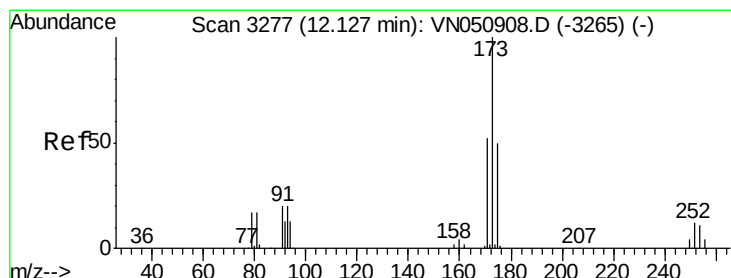
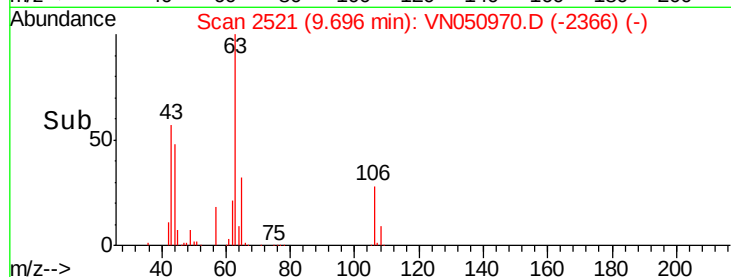
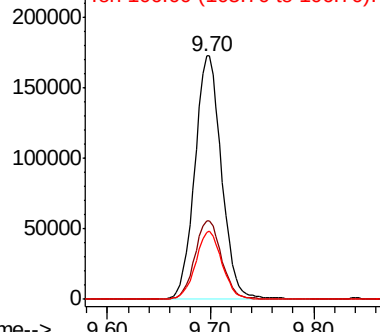
Tot Ion:	63	Resp:	312232
Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	27.5	22.0	33.0

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Abundance Ion 63.00 (62.70 to 63.70): VN050908.D (-2507) (-)



#56

Bromoform

Concen: 17.33 ug/l

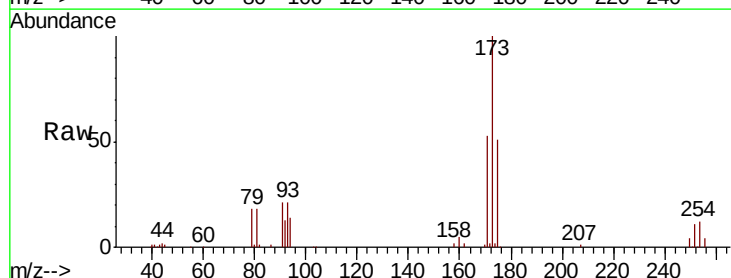
RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

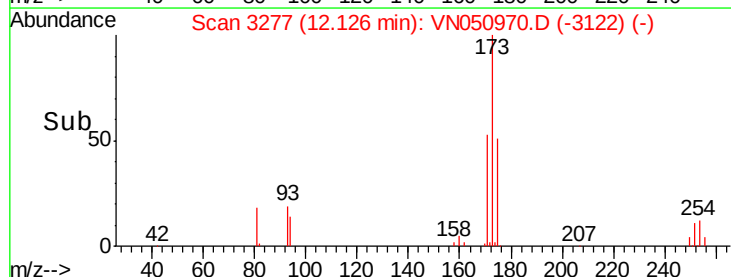
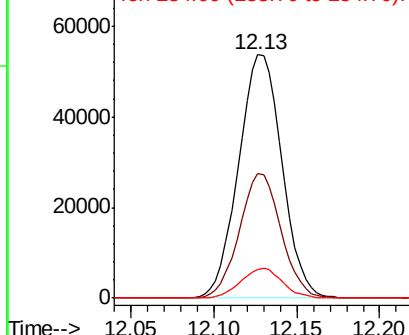
Lab File: VN050970.D

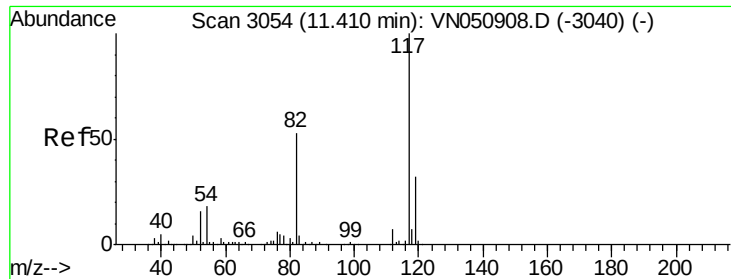
Acq: 30 Aug 2018 18:20

Tgt Ion:	173	Resp:	97947
Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.2	58.8
254	11.7	9.0	13.6



Abundance Ion 173.00 (172.70 to 173.70): VN050908.D (-3265) (-)





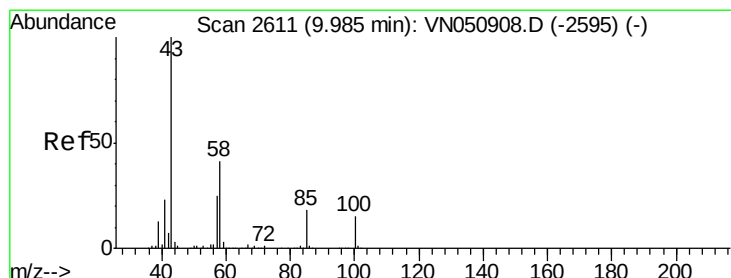
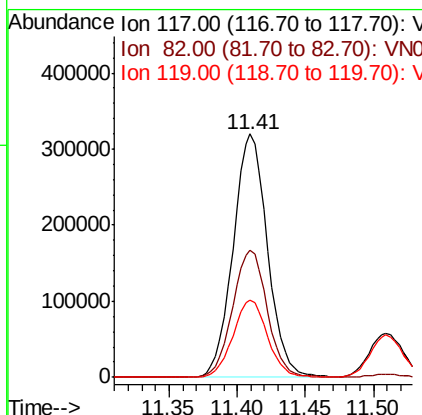
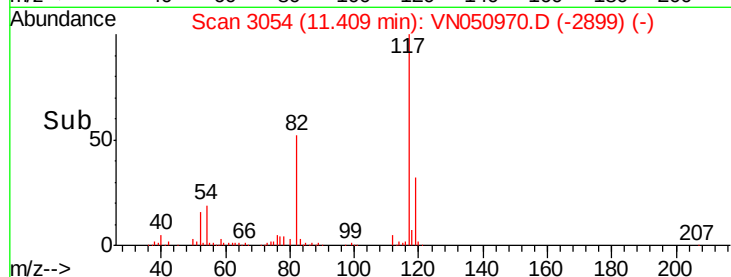
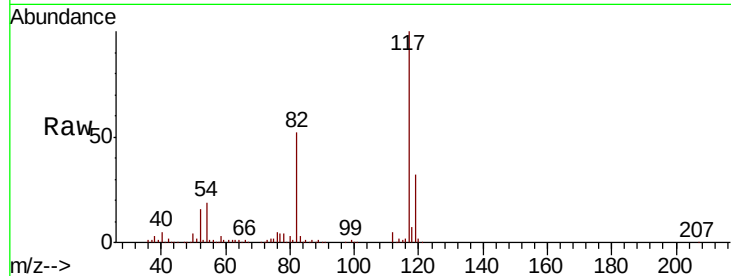
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	559108		
82	52.7	42.6	64.0	
119	32.0	25.7	38.5	

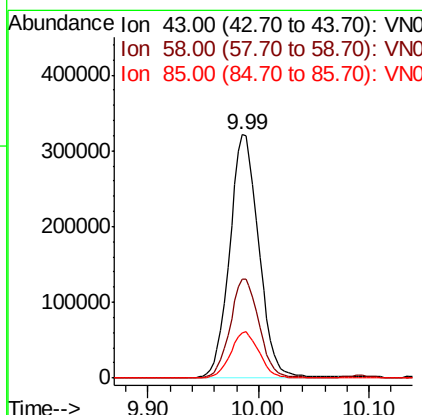
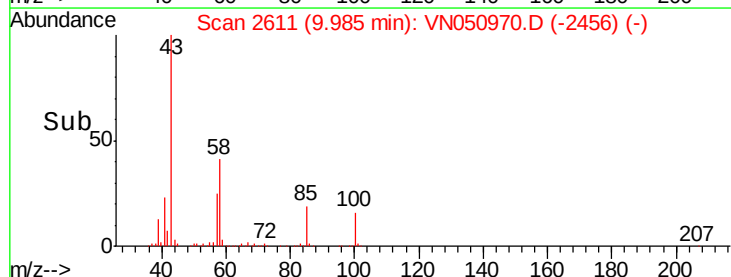
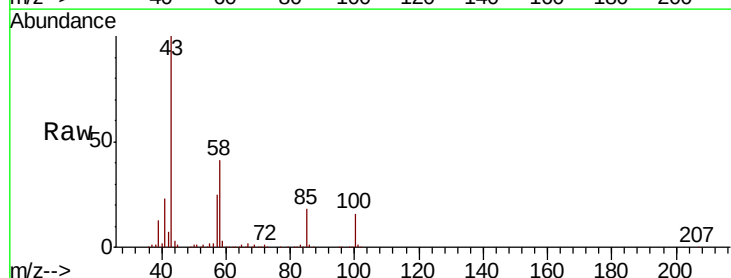
Manual Integrations
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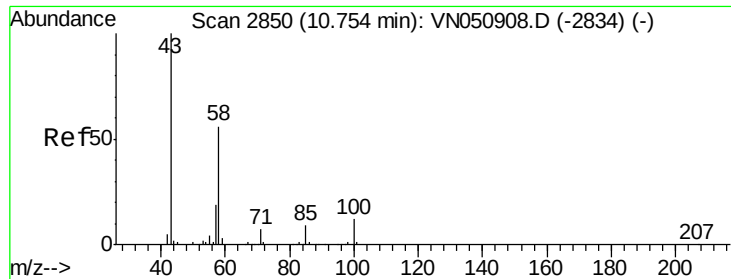
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 91.89 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	587799		
58	40.8	32.3	48.5	
85	18.6	14.9	22.3	





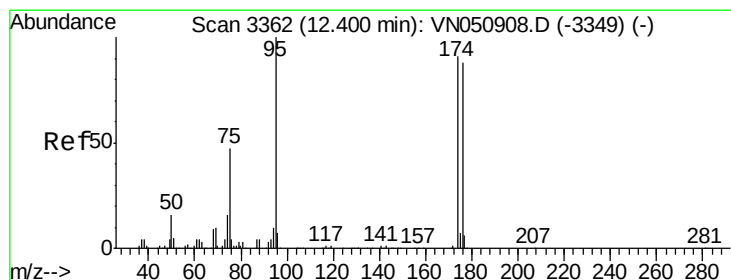
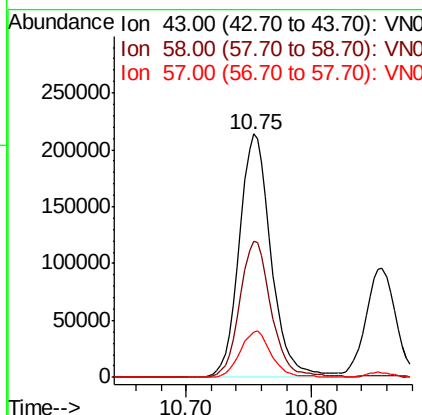
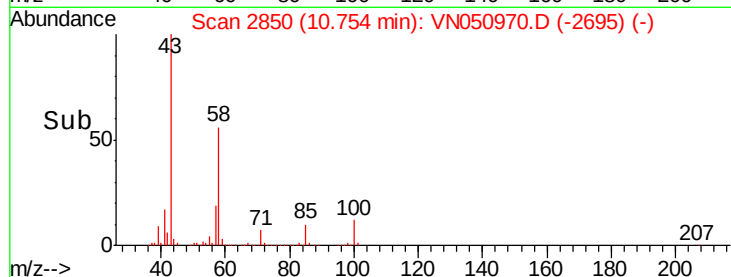
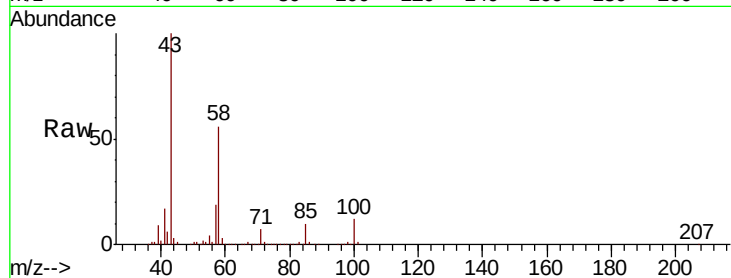
#59
2-Hexanone
Concen: 89.64 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.5	68.3
57	19.0	15.2	22.8

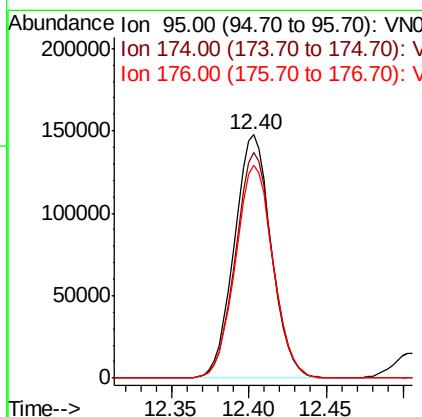
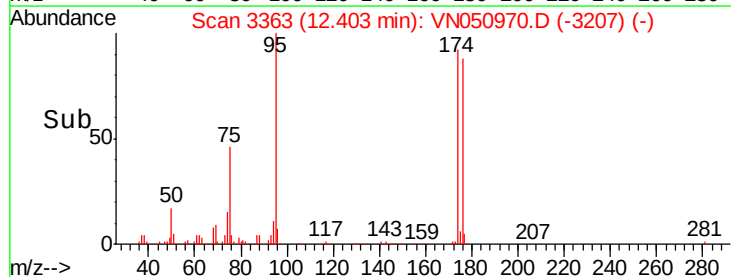
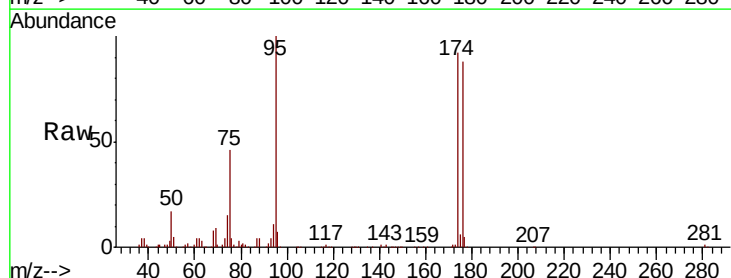
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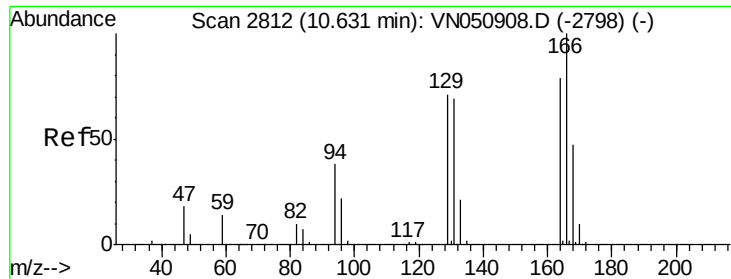
MMDadoda
8/31/2018 11:32:23 AM



#60
4-Bromofluorobenzene
Concen: 29.49 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.7	74.6	112.0
176	88.8	71.5	107.3





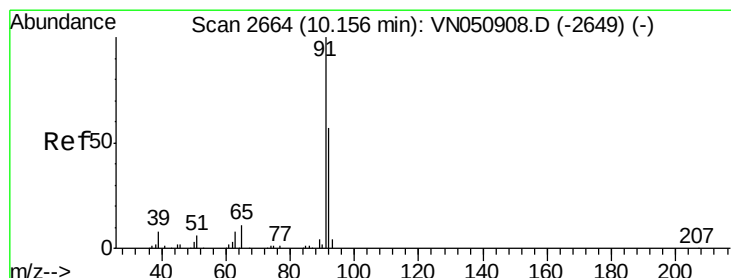
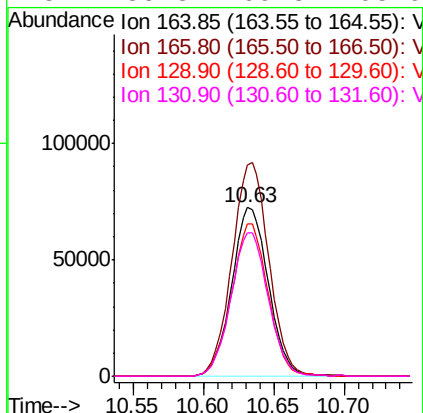
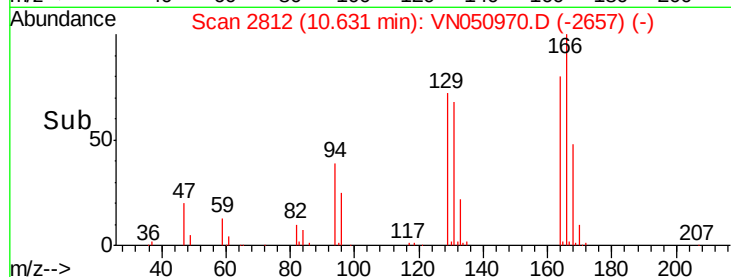
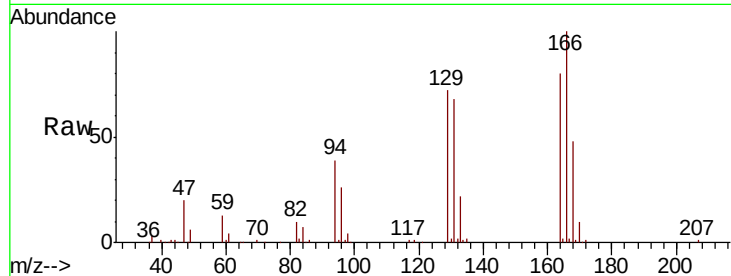
#61
Tetrachloroethene
Concen: 18.98 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.3	100.6	151.0
129	90.2	71.0	106.6
131	85.3	69.3	103.9

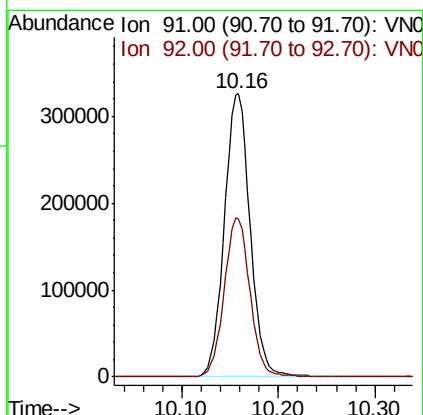
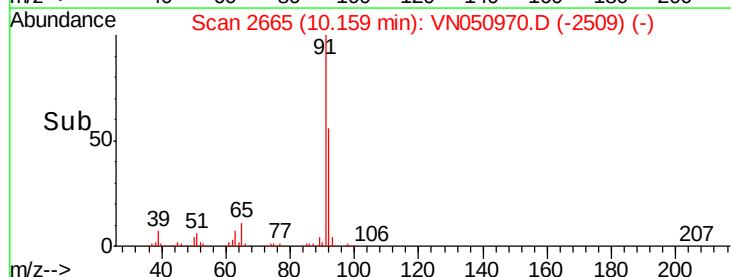
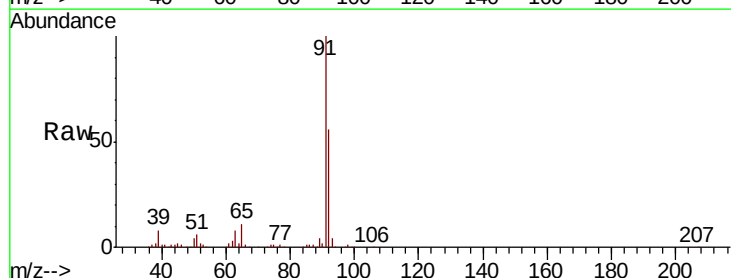
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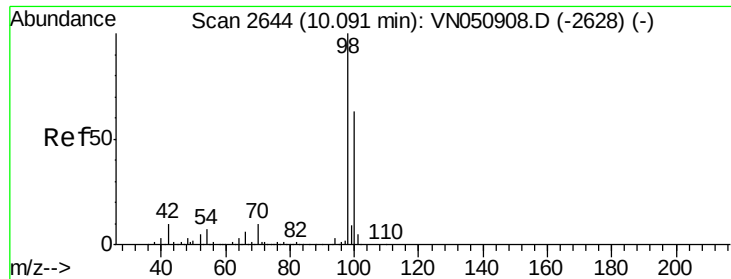
MMDadoda
8/31/2018 11:32:23 AM



#62
Toluene
Concen: 19.33 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.1	45.8	68.8





#63

Toluene-d8

Concen: 30.99 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 807958

Ion Ratio Lower Upper

98 100

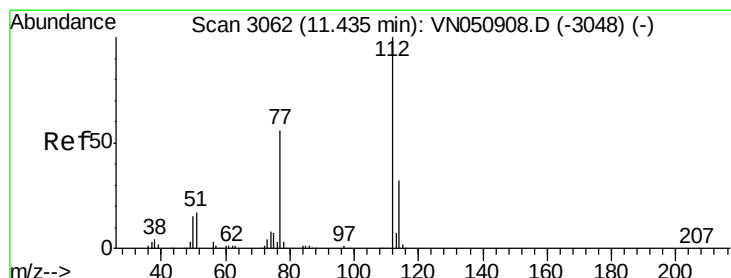
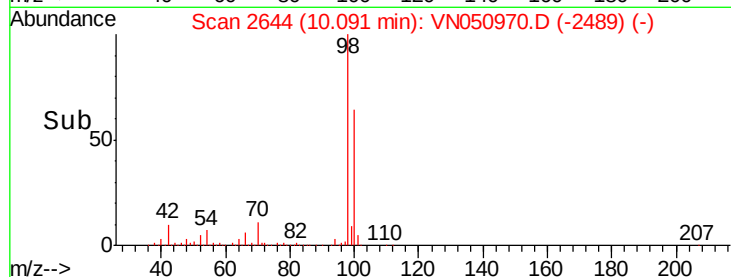
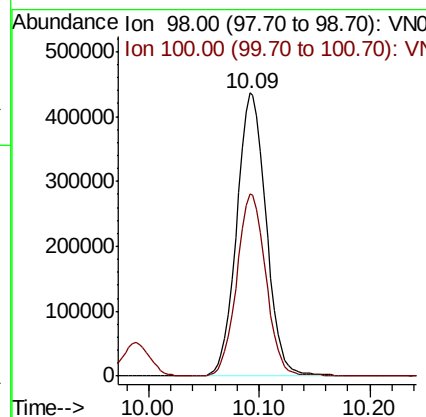
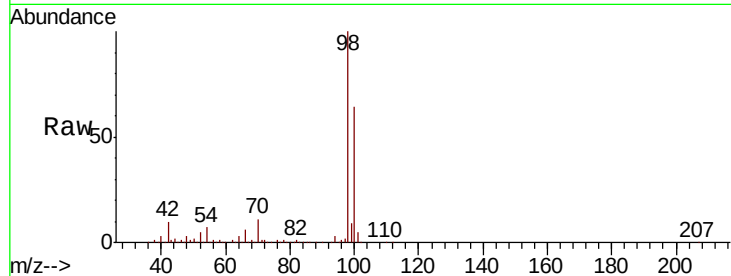
100 64.0 50.6 75.8

Manual Integrations

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#64

Chlorobenzene

Concen: 18.61 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050970.D

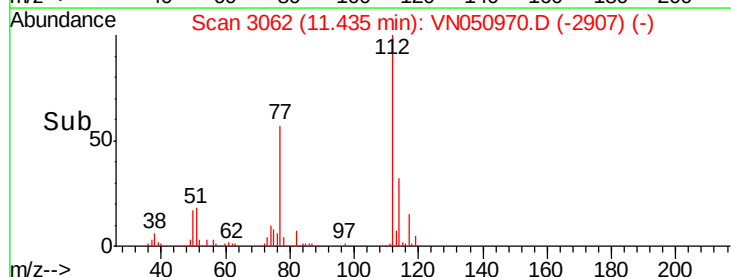
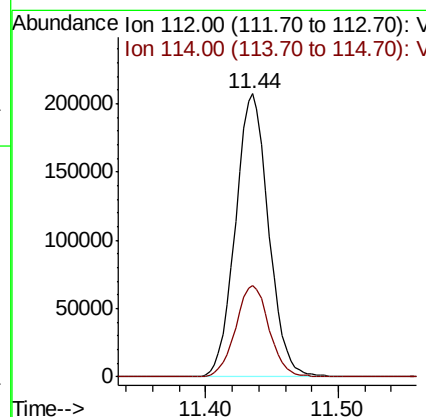
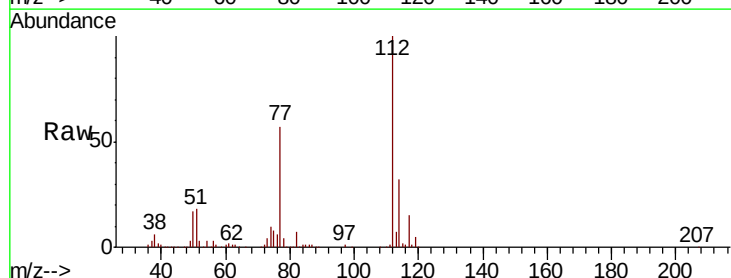
Acq: 30 Aug 2018 18:20

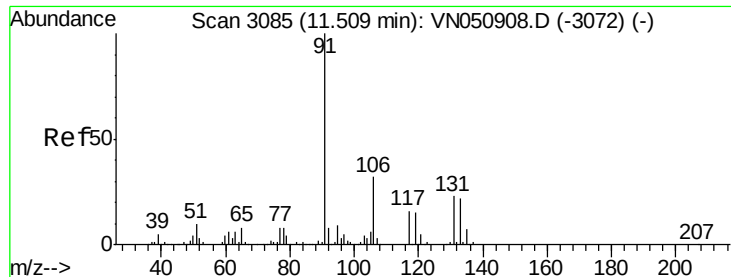
Tgt Ion: 112 Resp: 359861

Ion Ratio Lower Upper

112 100

114 32.5 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.50 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

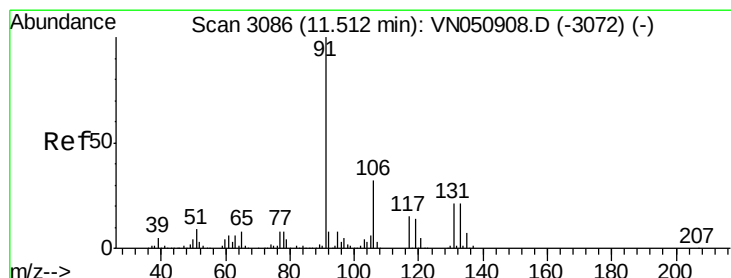
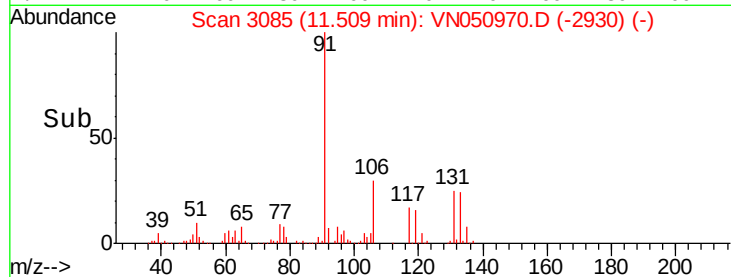
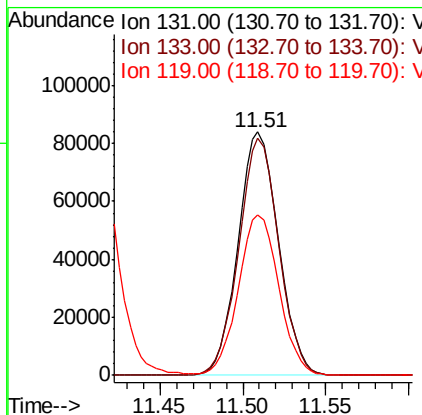
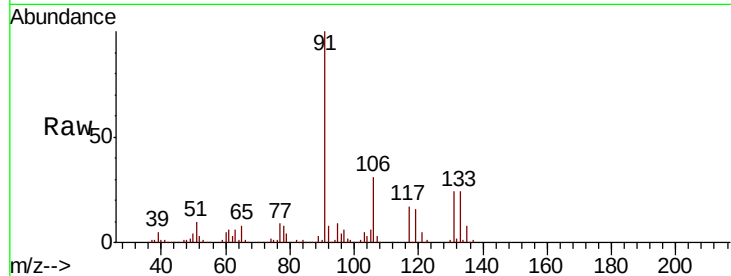
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	142303
Ion Ratio	Lower	Upper	
131	100		
133	96.6	0.0	189.4
119	66.3	0.0	132.2

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#66

Ethyl Benzene

Concen: 18.23 ug/l

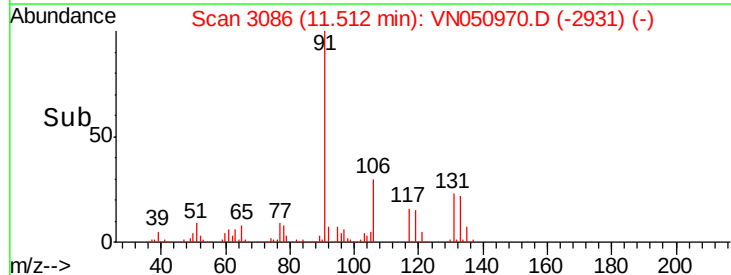
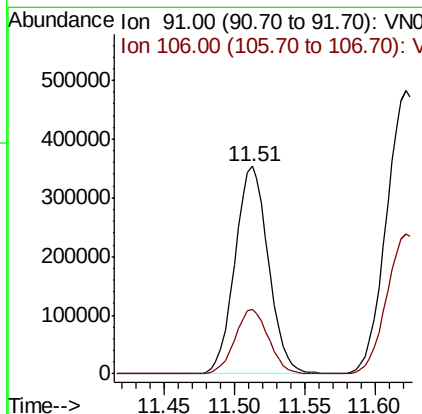
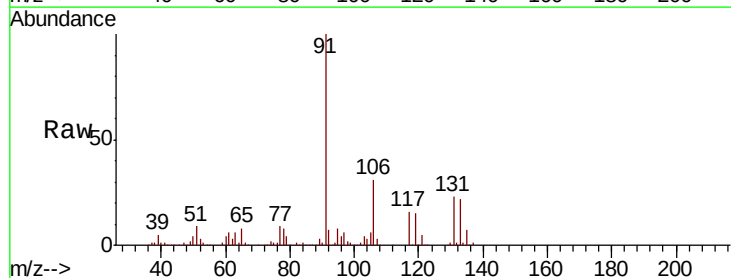
RT: 11.51 min Scan# 3086

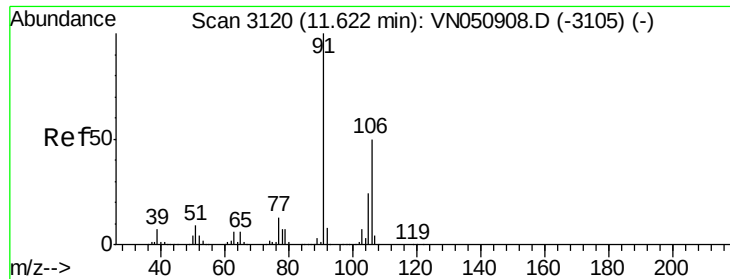
Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Tgt Ion:	91	Resp:	588945
Ion Ratio	Lower	Upper	
91	100		
106	31.1	25.7	38.5





#67

m/p-Xylenes

Concen: 37.48 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:106 Resp: 465935

Ion Ratio Lower Upper

106 100

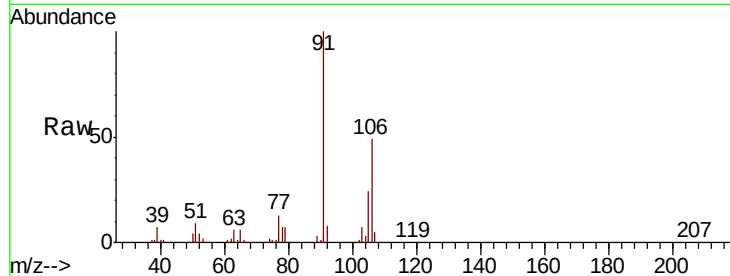
91 201.9 160.6 241.0

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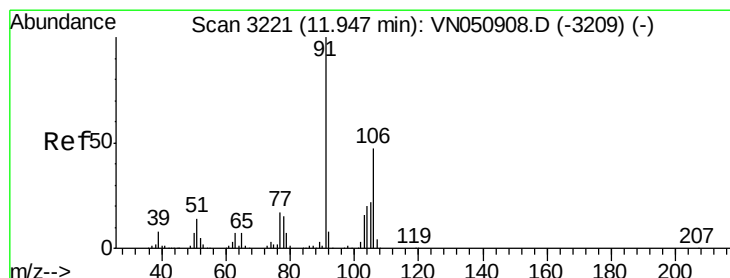
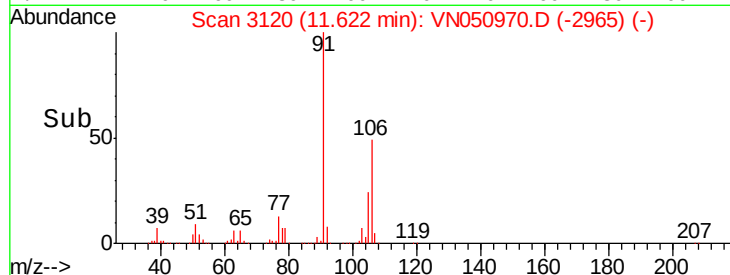
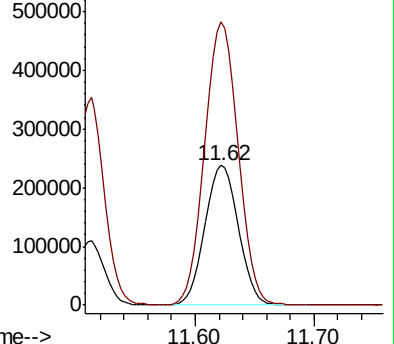
MMDadoda

8/31/2018 11:32:23 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 18.48 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050970.D

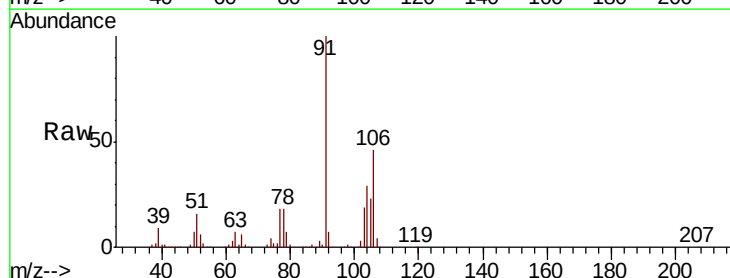
Acq: 30 Aug 2018 18:20

Tgt Ion:106 Resp: 219549

Ion Ratio Lower Upper

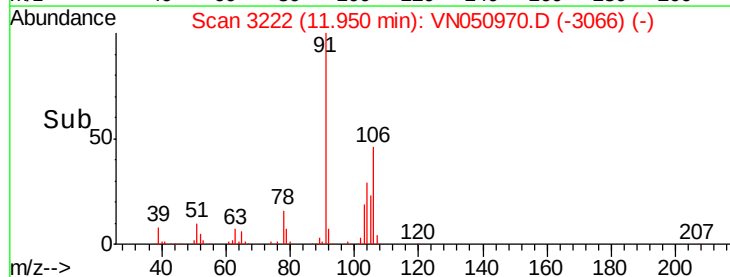
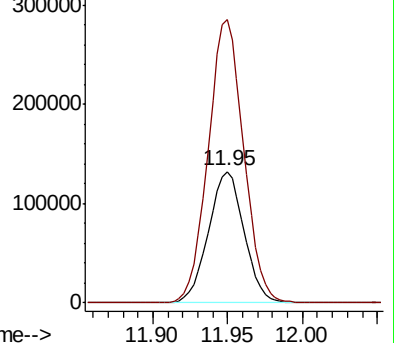
106 100

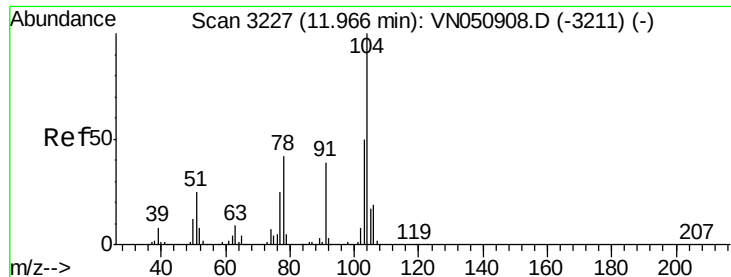
91 214.8 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





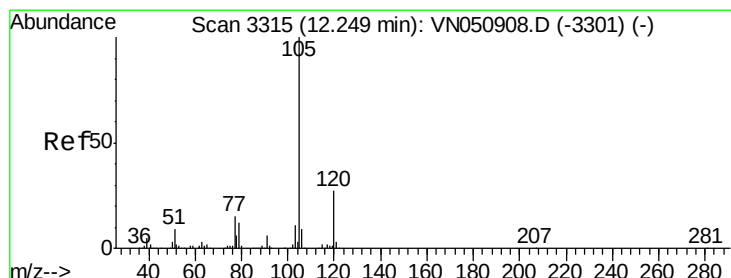
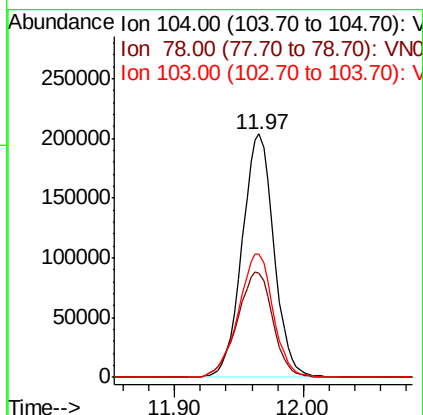
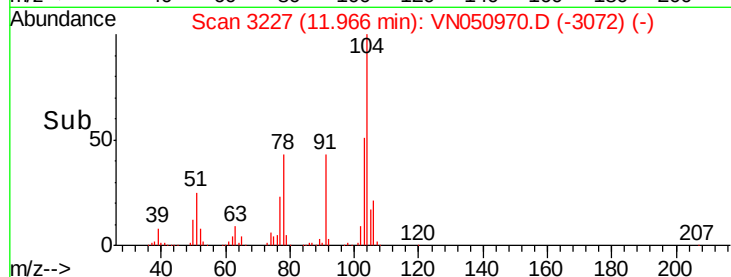
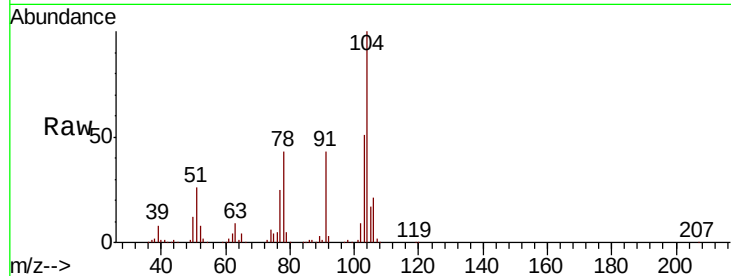
#69
Stvrene
Concen: 18.53 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	349886		
78	48.4		38.6	58.0
103	55.6		45.4	68.2

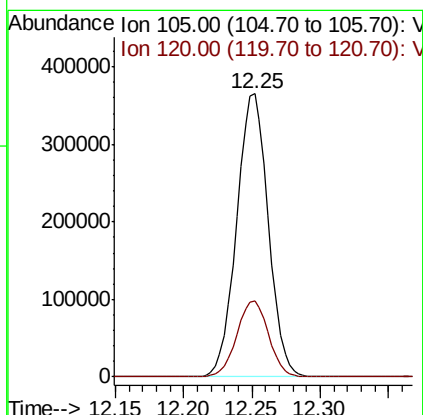
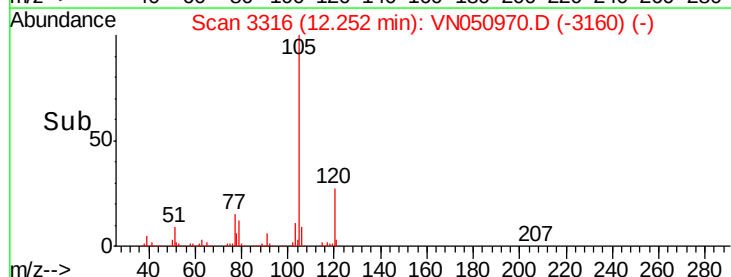
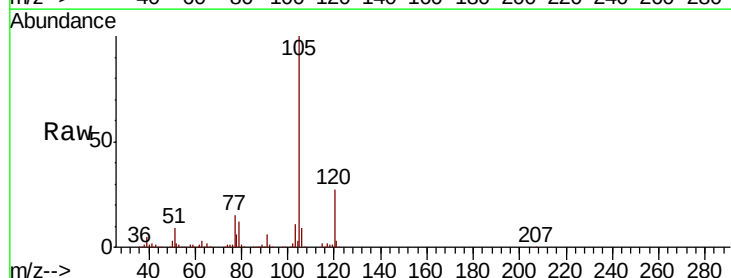
Manual Integrations
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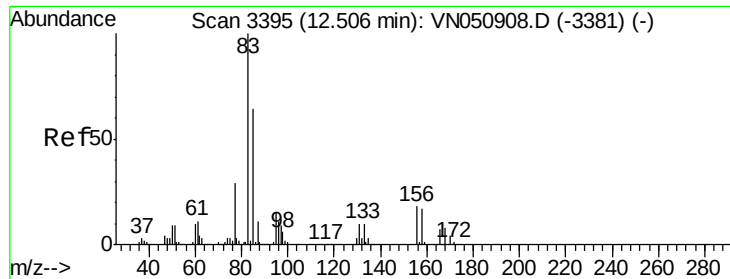
MMDadoda
8/31/2018 11:32:23 AM



#70
Isopropylbenzene
Concen: 18.62 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	587564		
120	27.0		18.6	34.6





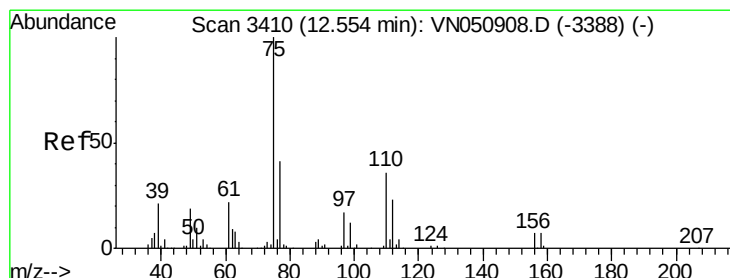
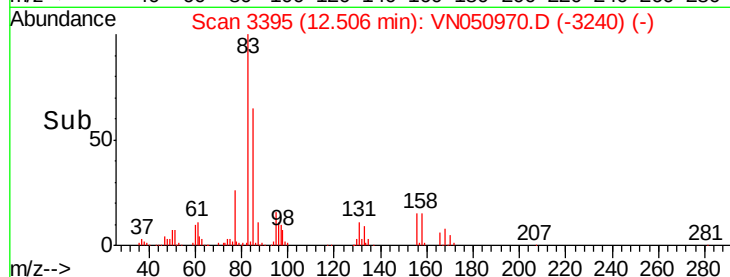
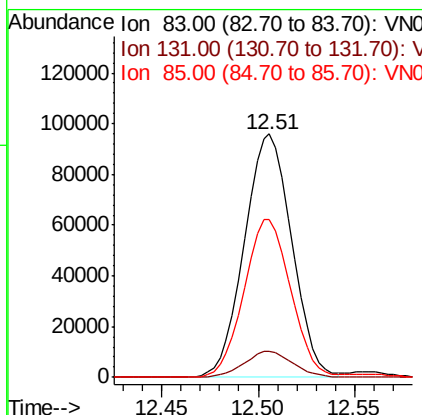
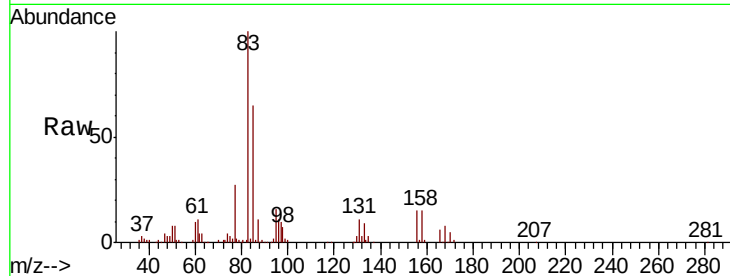
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.11 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	83	Resp	163329
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.3	15.9
85	64.0	32.3	96.9

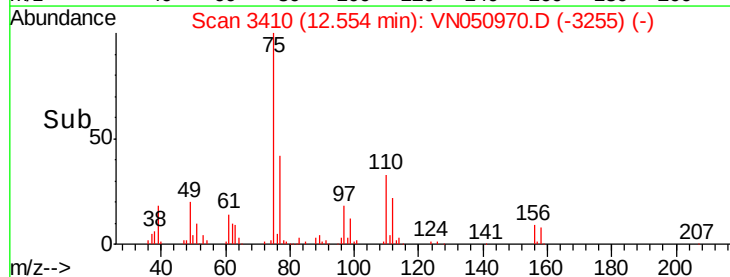
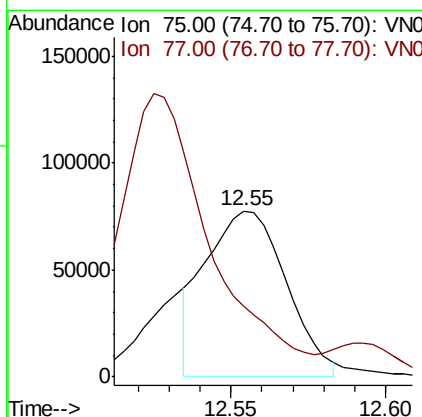
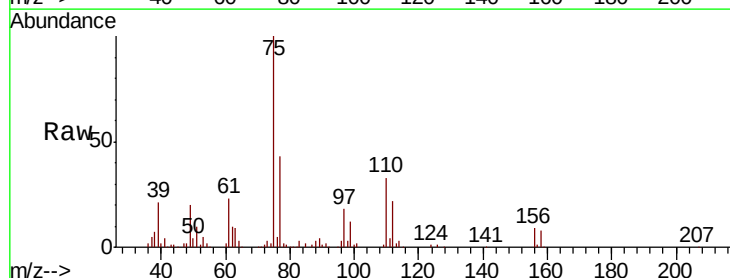
Manual Integrations
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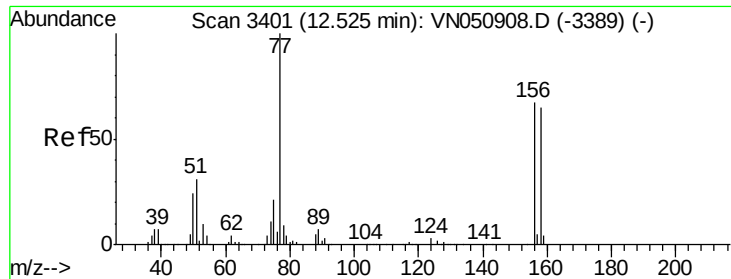
MMDadoda
 8/31/2018 11:32:23 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.03 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	75	Resp	140282
Ion	Ratio	Lower	Upper
75	100		
77	194.4	0.0	301.6





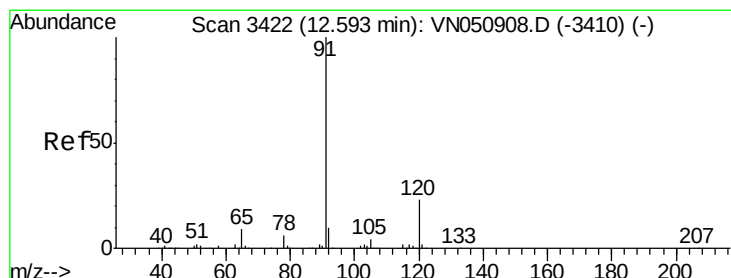
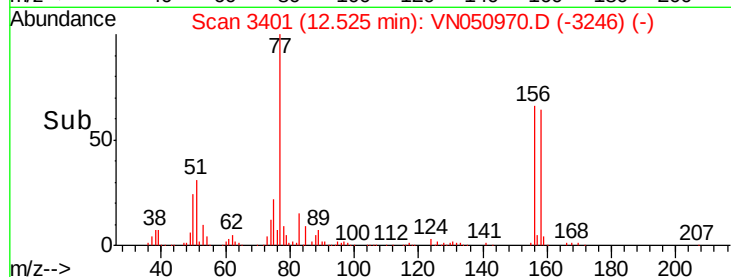
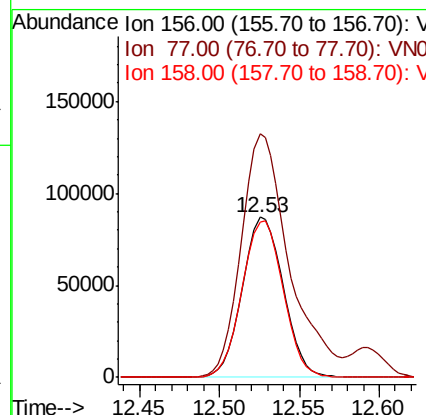
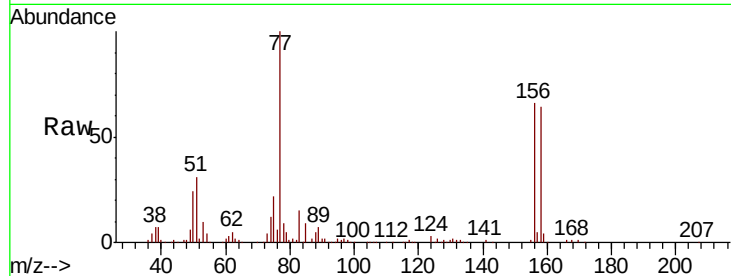
#73
Bromobenzene
Concen: 18.40 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		152844		
77	178.4	0.0	359.4		
158	97.4	0.0	194.6		

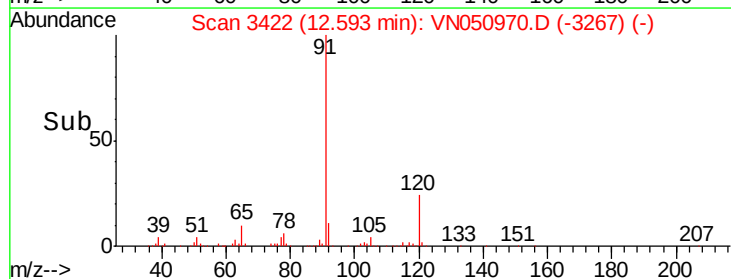
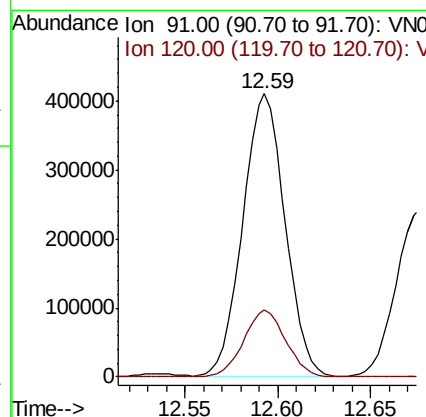
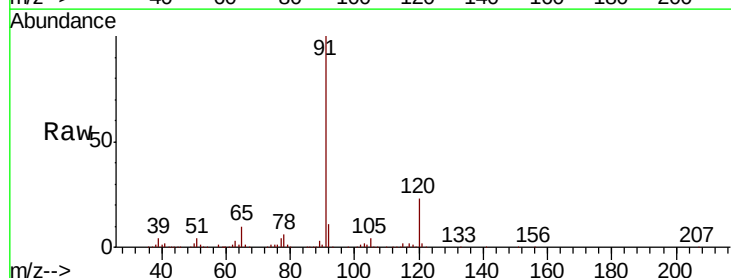
Manual Integrations
APPROVED

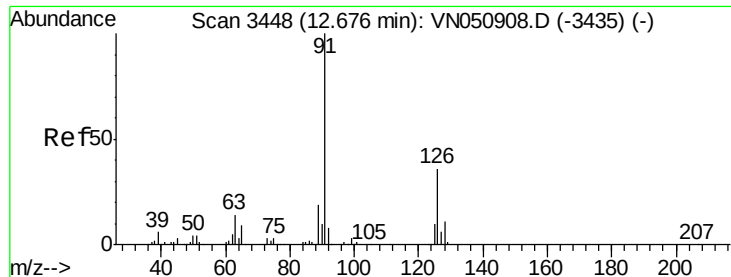
MMDadoda
8/31/2018 11:32:23 AM



#74
n-propylbenzene
Concen: 18.22 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		650303		
120	23.4	0.0	46.0		





#75

2-Chlorotoluene

Concen: 18.73 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 406019

Ion Ratio Lower Upper

91 100

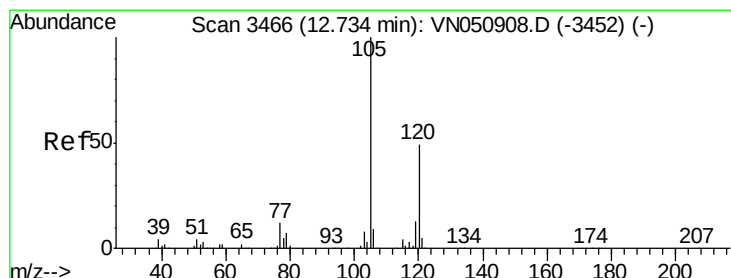
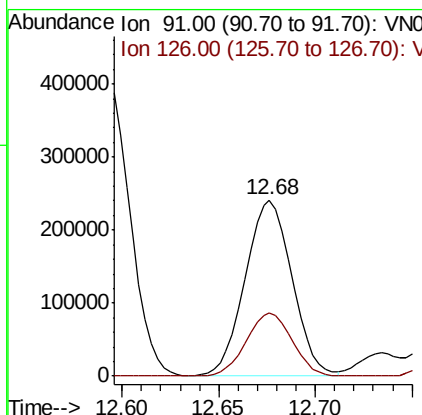
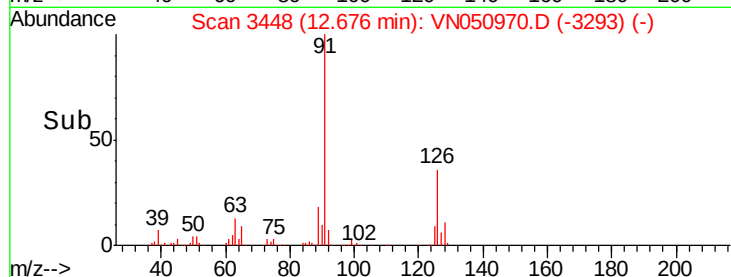
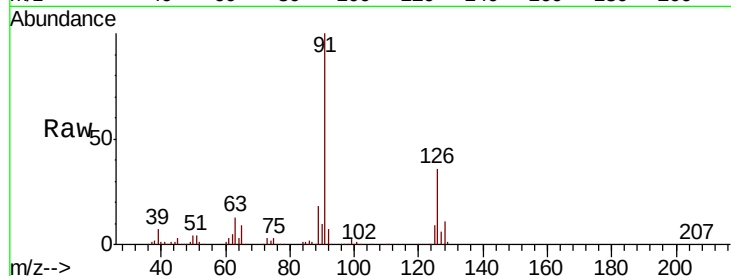
126 35.3 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 18.50 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050970.D

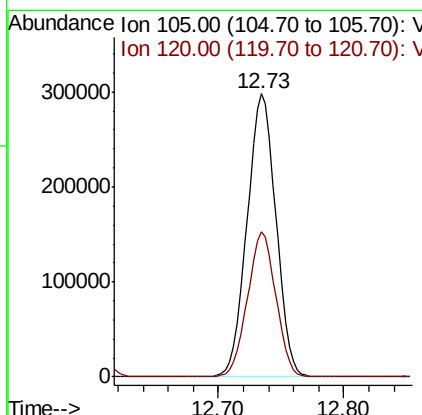
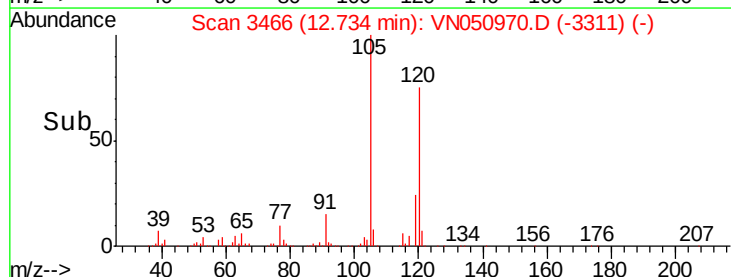
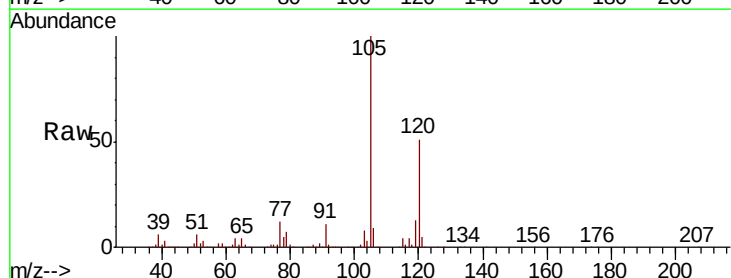
Acq: 30 Aug 2018 18:20

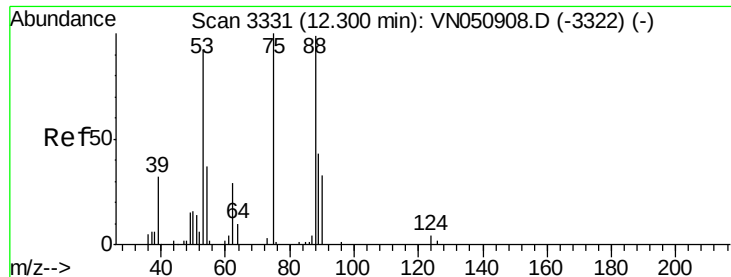
Tgt Ion: 105 Resp: 477103

Ion Ratio Lower Upper

105 100

120 50.4 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 17.83 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

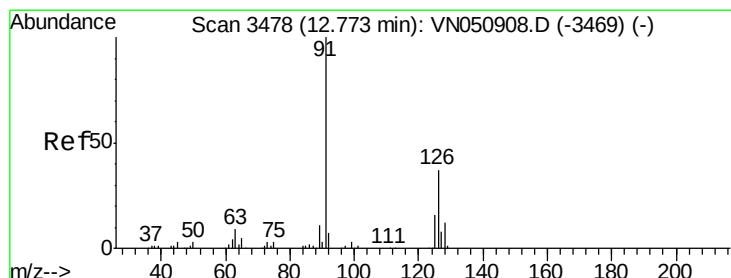
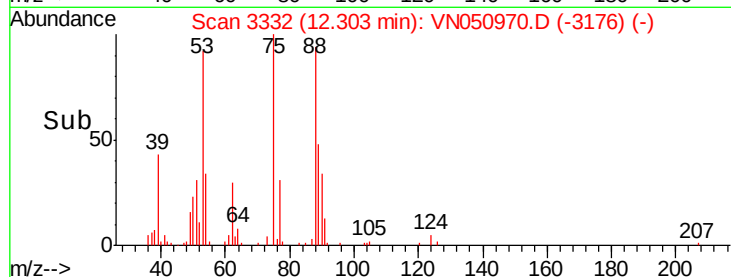
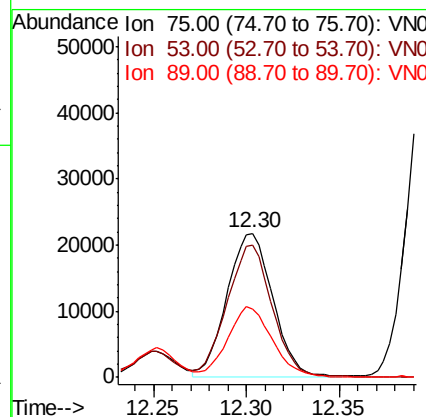
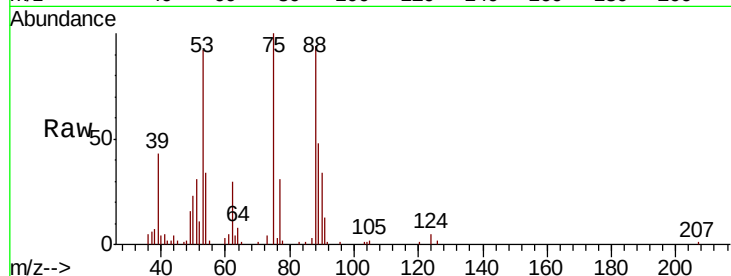
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	37453
Ion	Ratio	Lower	Upper
75	100		
53	92.3	45.5	136.4
89	48.2	21.9	65.8

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#78

4-Chlorotoluene

Concen: 18.23 ug/l

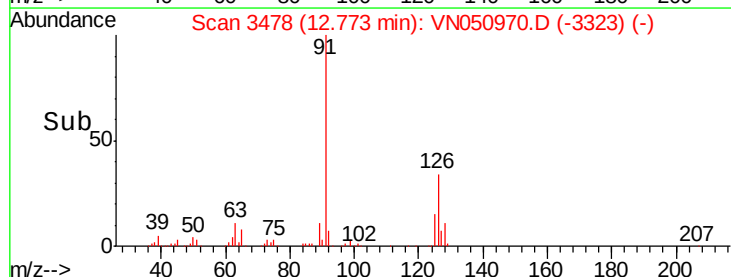
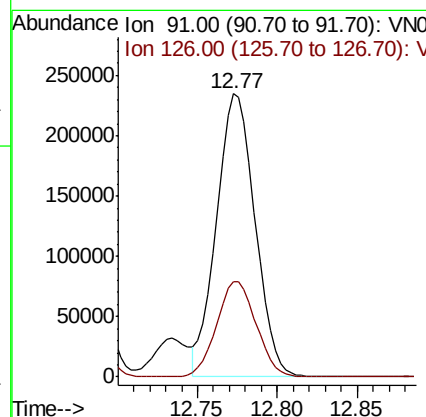
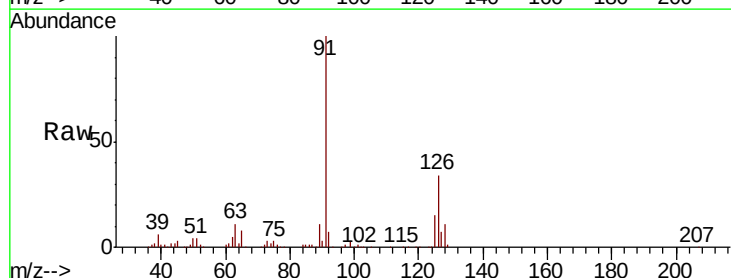
RT: 12.77 min Scan# 3478

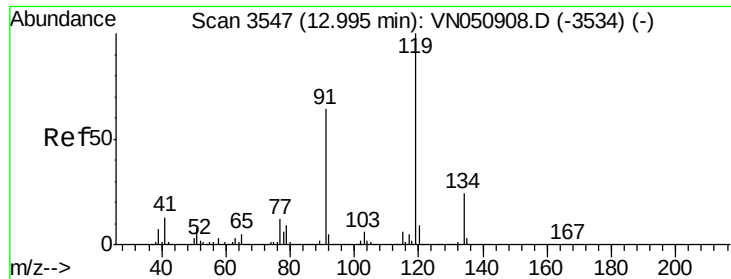
Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Tgt Ion:	91	Resp:	389091
Ion	Ratio	Lower	Upper
91	100		
126	34.6	0.0	69.8





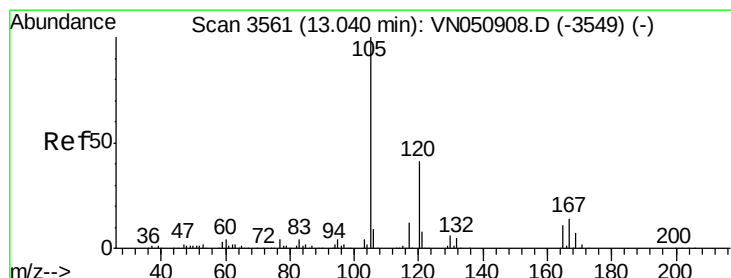
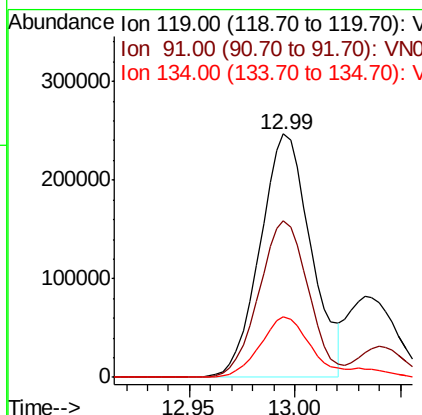
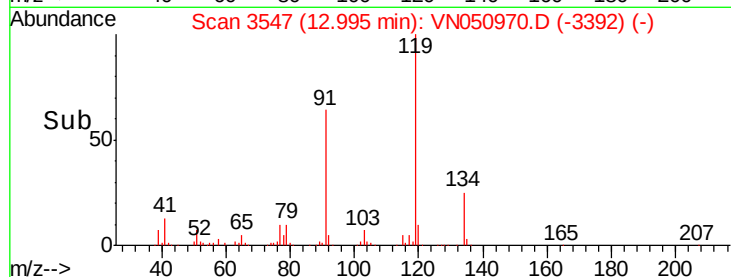
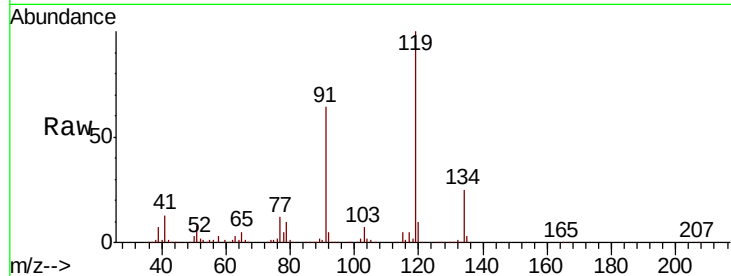
#79
tert-butylbenzene
Concen: 18.54 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	415262		
91	62.7	0.0	125.6	
134	24.4	0.0	48.4	

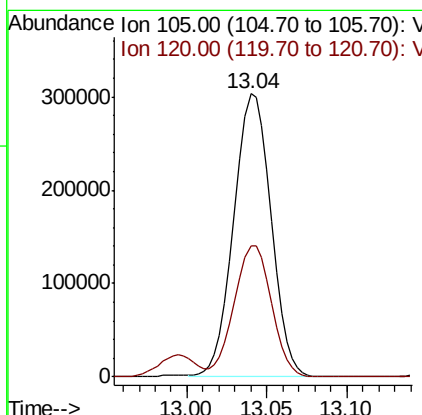
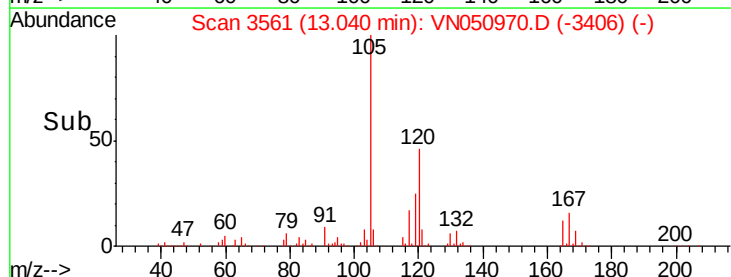
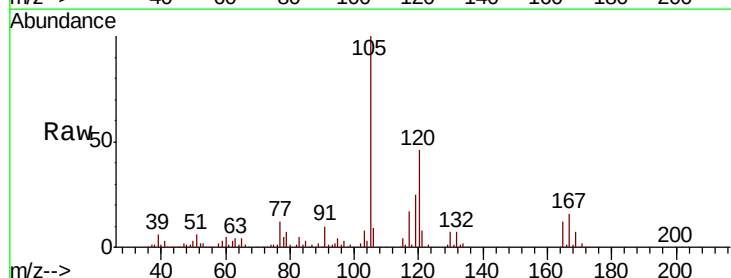
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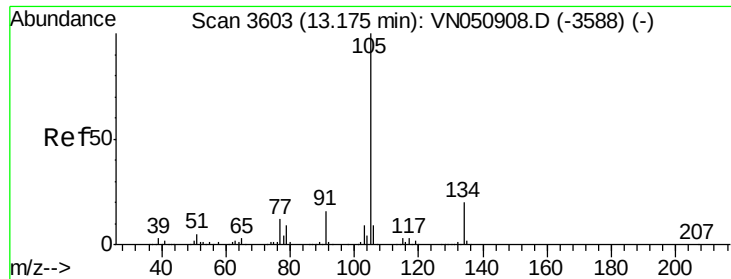
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#80
1,2,4-Trimethylbenzene
Concen: 18.75 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	482158		
120	46.1	0.0	93.6	





#81

sec-Butylbenzene

Concen: 18.31 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion:105 Resp: 536673

Ion Ratio Lower Upper

105 100

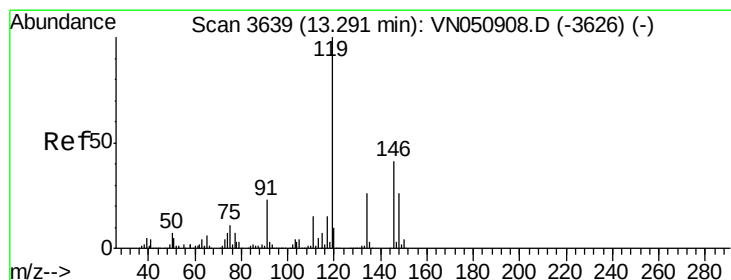
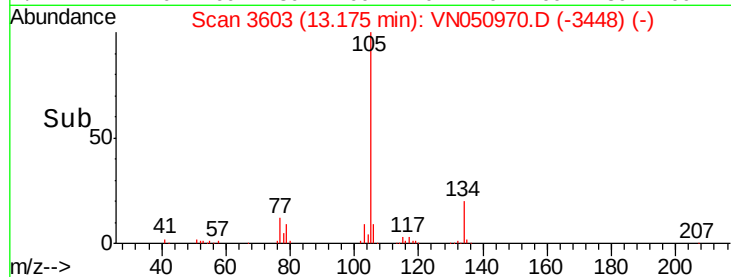
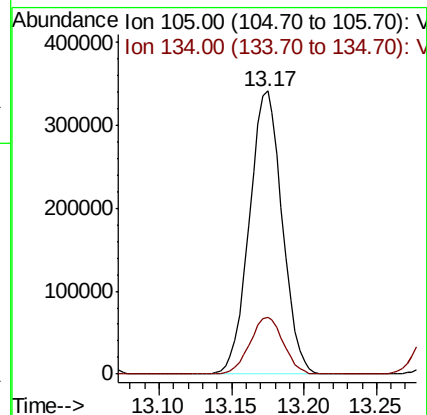
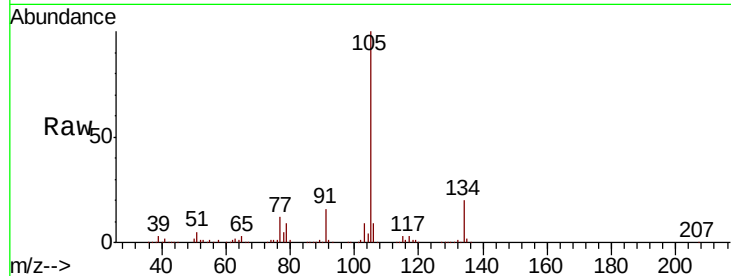
134 20.5 0.0 40.8

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#82

p-Isopropyltoluene

Concen: 18.03 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

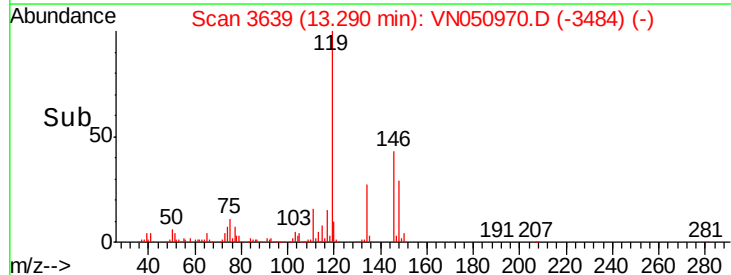
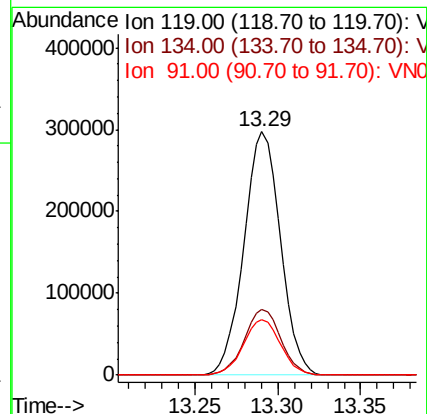
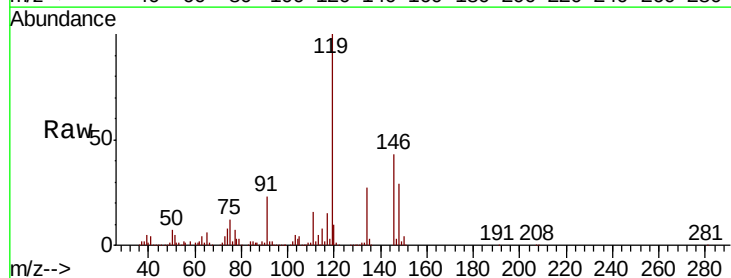
Tgt Ion:119 Resp: 456045

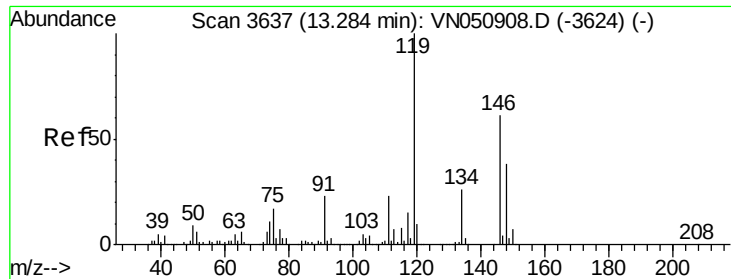
Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.2

91 23.2 0.0 46.0





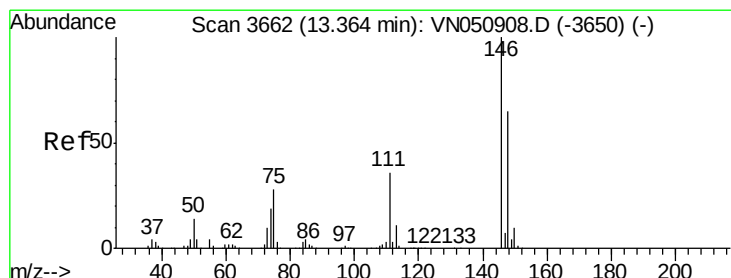
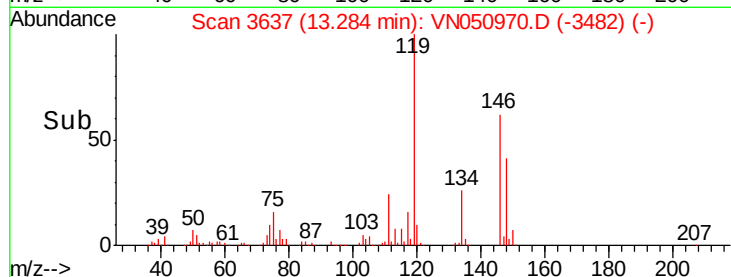
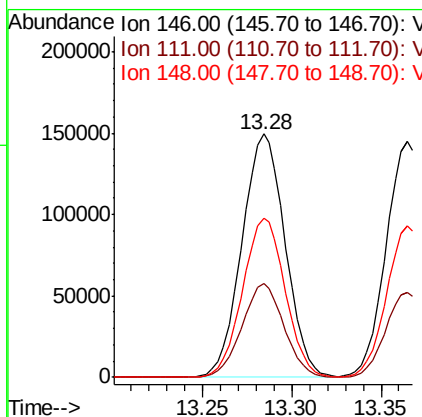
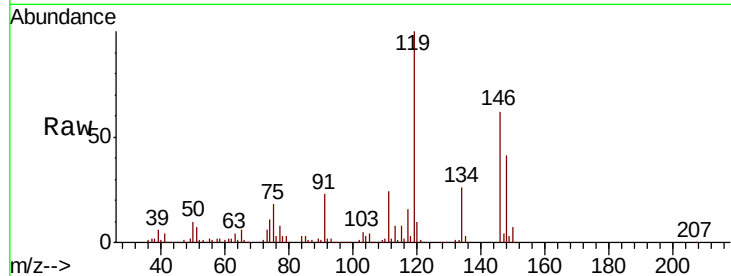
#83
1,3-Dichlorobenzene
Concen: 18.04 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.6
148	64.4	31.8	95.3

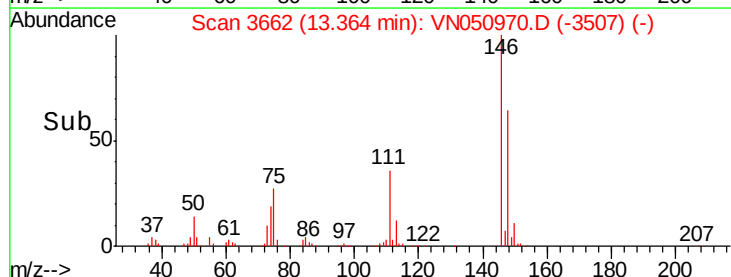
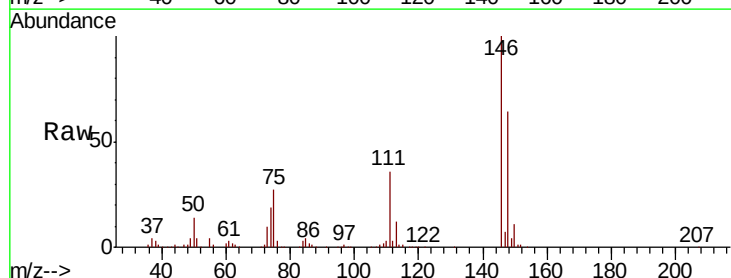
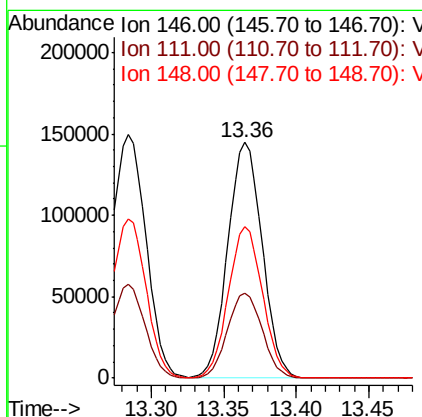
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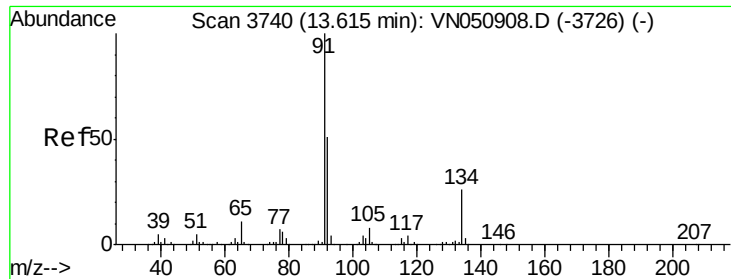
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#84
1,4-Dichlorobenzene
Concen: 17.90 ug/l
RT: 13.36 min Scan# 3662
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.7	53.1
148	64.0	31.6	94.8





#85

n-Butylbenzene

Concen: 16.80 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

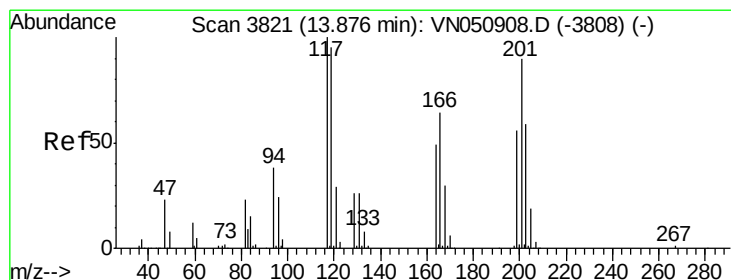
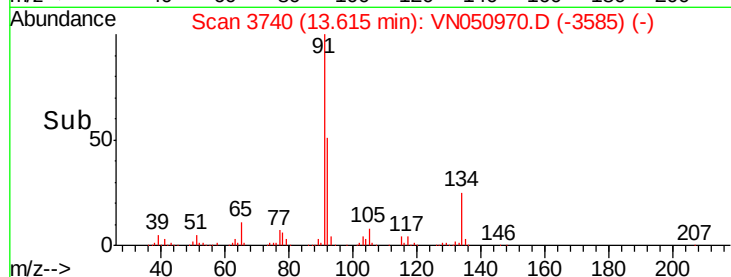
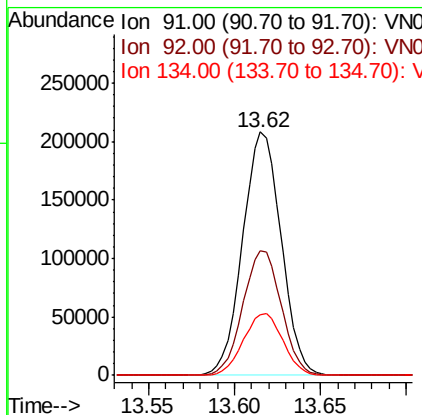
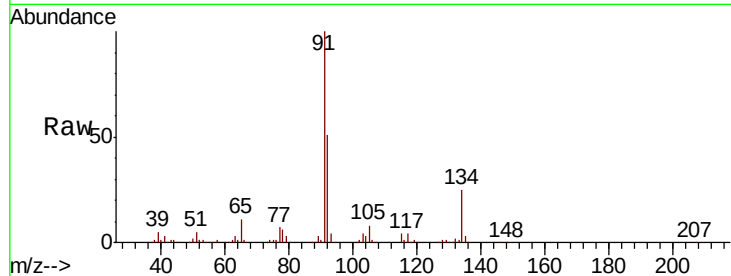
ClientSampled :

VSTDCCC020

Tot Ion:	91	Resp:	324338
Ion	Ratio	Lower	Upper
91	100		
92	51.1	0.0	101.8
134	25.8	0.0	52.2

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#86

Hexachloroethane

Concen: 18.78 ug/l

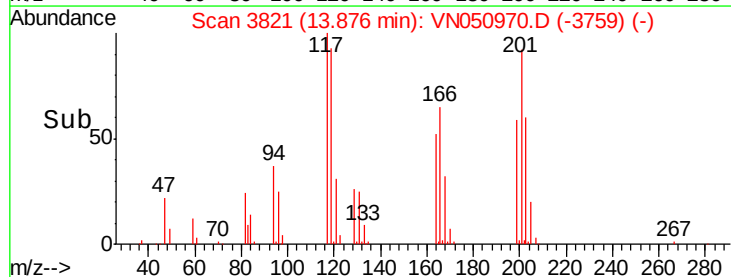
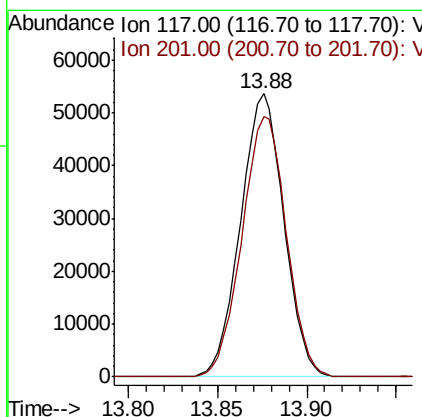
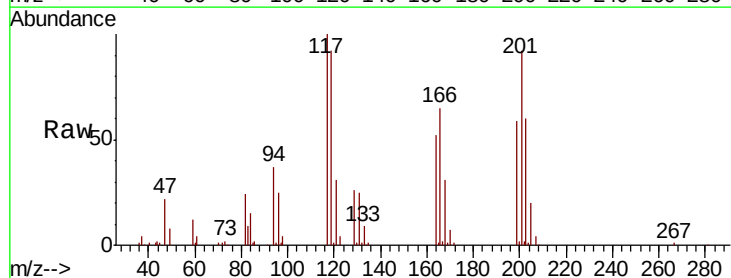
RT: 13.88 min Scan# 3821

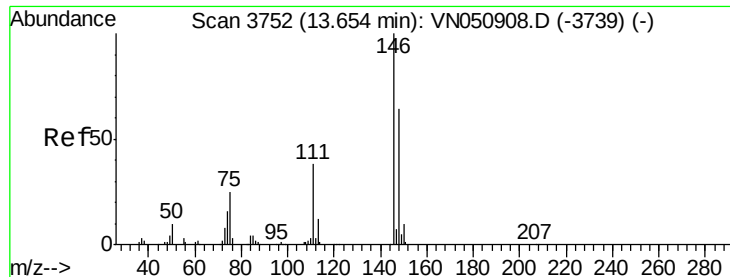
Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Tgt Ion:	117	Resp:	91187
Ion	Ratio	Lower	Upper
117	100		
201	93.9	45.8	137.4





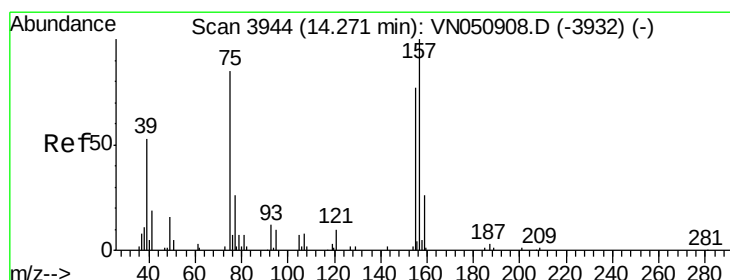
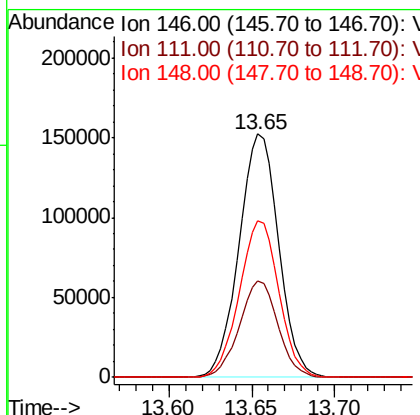
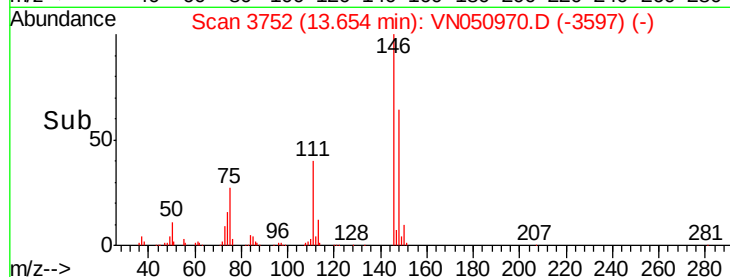
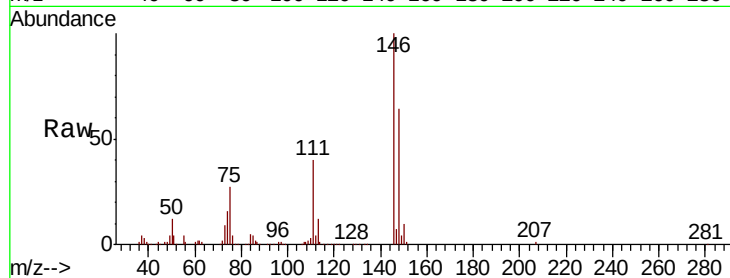
#87
 1,2-Dichlorobenzene
 Concen: 18.33 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	63.9	31.9	95.9

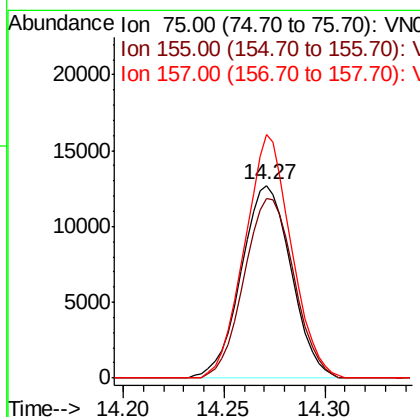
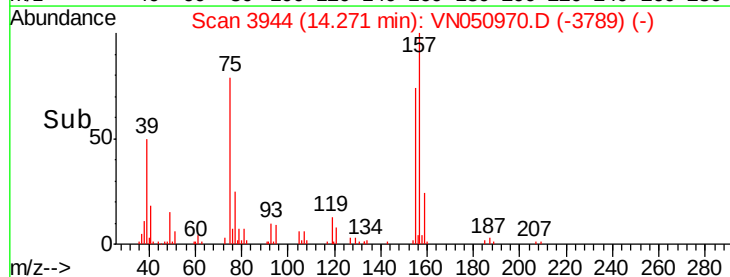
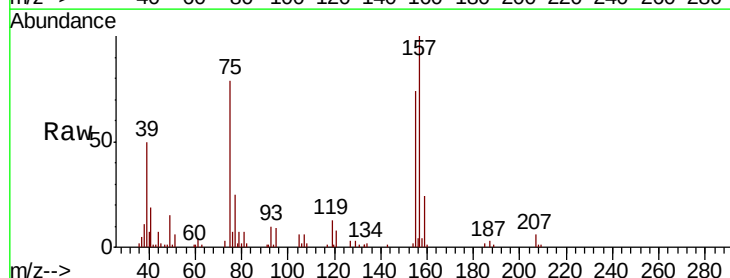
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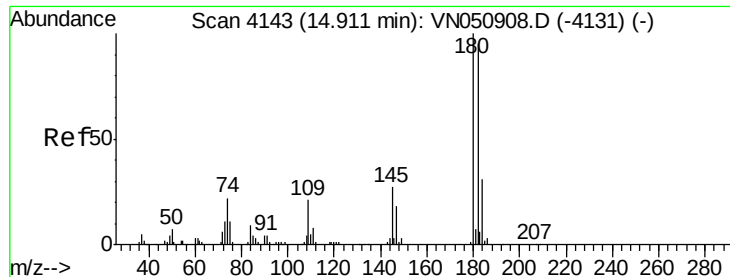
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.40 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	71.8	107.6
157	118.0	91.1	136.7





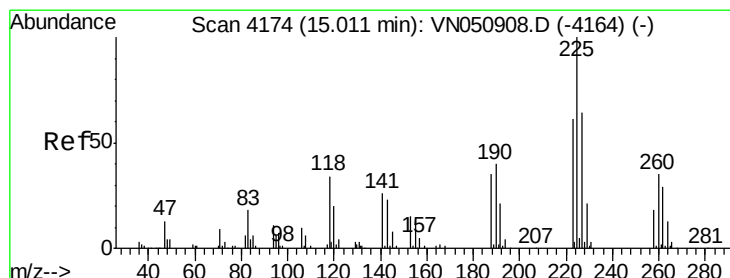
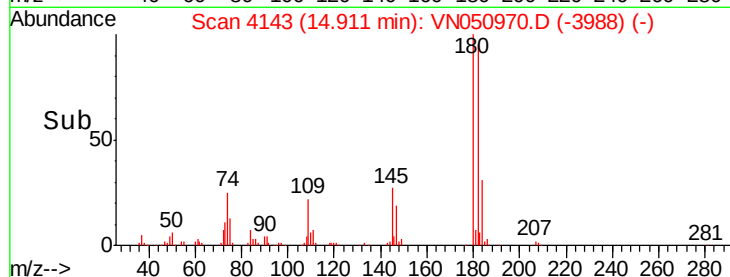
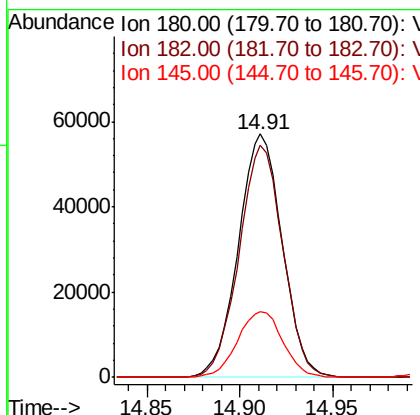
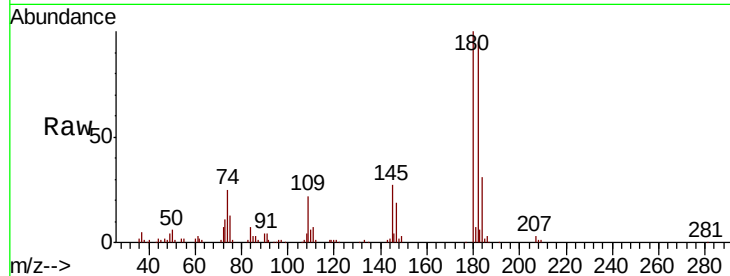
#89
 1,2,4-Trichlorobenzene
 Concen: 15.26 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
145	27.8	22.2	33.4

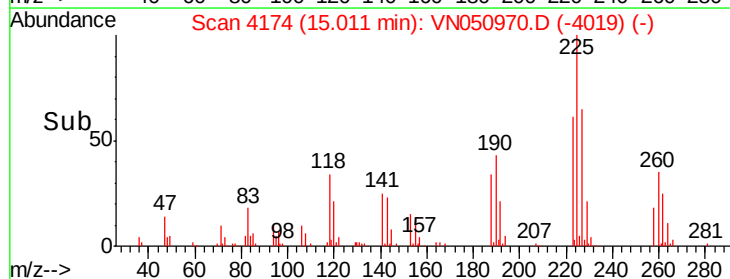
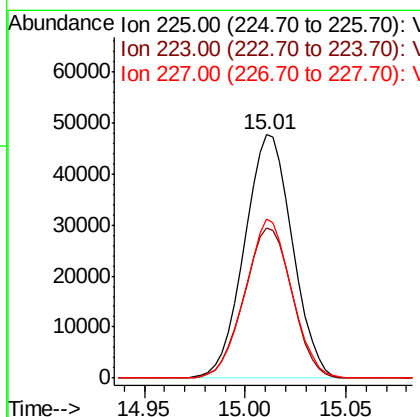
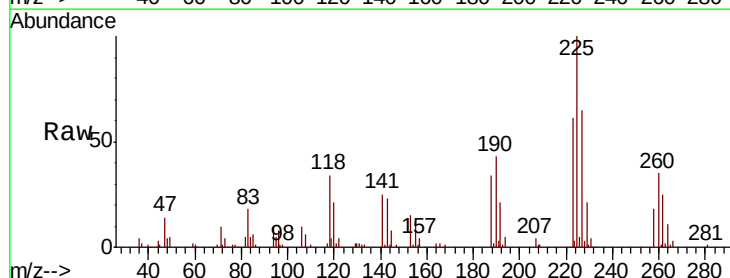
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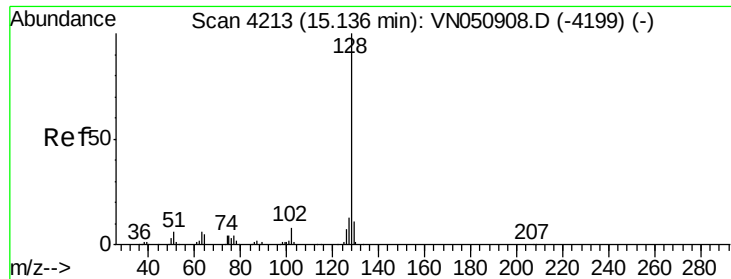
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#90
 Hexachlorobutadiene
 Concen: 18.93 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	127.8
227	63.3	0.0	128.4





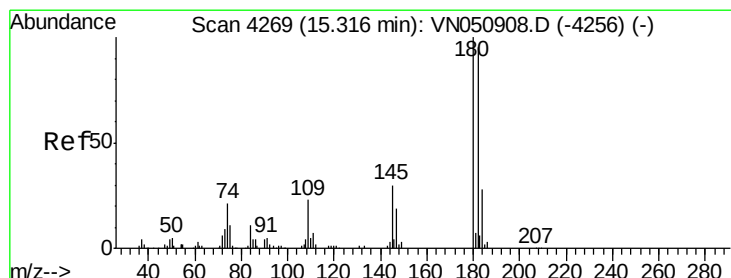
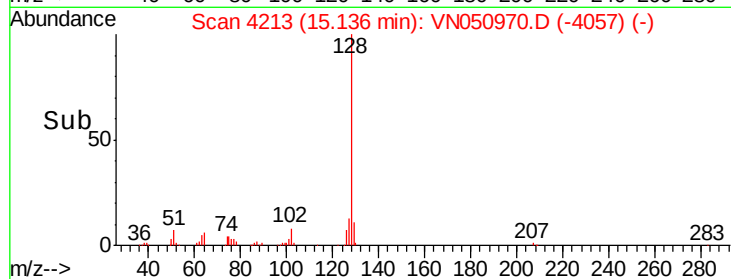
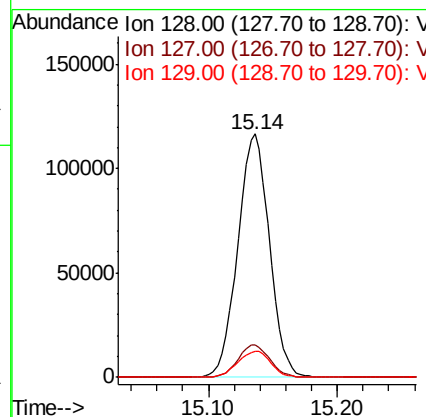
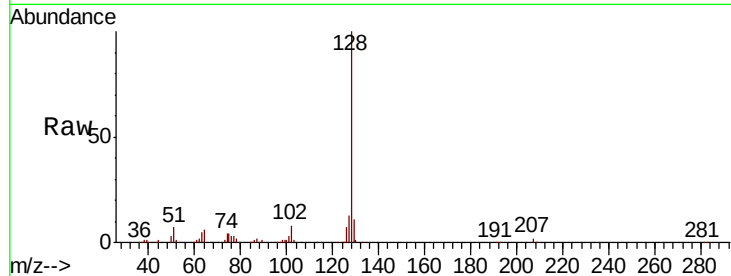
#91
Naphthalene
Concen: 18.90 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.2	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 16.43 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	192.8
145	29.6	0.0	60.0

