

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053922.D
 Acq On : 25 Feb 2019 11:01
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:47:50 AM

Quant Time: Feb 28 03:33:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 02:58:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	676627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1102078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	338253	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.85	85	6605	1.061	ug/l	100
3) Chloromethane	2.06	50	9068	1.050	ug/l	98
4) Vinyl Chloride	2.19	62	8986	1.038	ug/l #	87
5) Bromomethane	2.58	94	6348	1.108	ug/l	98
6) Chloroethane	2.71	64	6455	1.199	ug/l	92
7) Trichlorofluoromethane	3.02	101	12428	1.124	ug/l	93
8) Diethyl Ether	3.41	74	4291	1.036	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.77	101	7891m	1.130	ug/l	
12) 1,1-Dichloroethene	3.74	96	7217	1.080	ug/l	97
14) Allyl chloride	4.33	41	12090	1.032	ug/l	90
15) Acrylonitrile	4.99	53	12518m	4.724	ug/l	
16) Acetone	3.82	43	14957	6.431	ug/l	91
17) Carbon Disulfide	4.05	76	23985	1.113	ug/l	100
18) Methyl Acetate	4.33	43	6465	1.166	ug/l #	86
19) Methyl tert-butyl Ether	5.05	73	16612	0.927	ug/l	93
20) Methylene Chloride	4.55	84	8879	1.131	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	7457	1.032	ug/l	84
22) Diisopropyl ether	5.95	45	20020	0.886	ug/l #	86
23) Vinyl Acetate	5.90	43	68099	4.189	ug/l	99
24) 1,1-Dichloroethane	5.85	63	15007	1.083	ug/l	96
25) 2-Butanone	6.85	43	14943m	4.798	ug/l	
26) 2,2-Dichloropropane	6.82	77	10001	1.016	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	7839	0.975	ug/l	90
28) Bromochloromethane	7.19	49	6590	1.039	ug/l #	79
29) Tetrahydrofuran	7.21	42	9938m	4.792	ug/l	
30) Chloroform	7.37	83	14590	1.086	ug/l	91
31) Cyclohexane	7.66	56	23299	1.579	ug/l #	22
32) 1,1,1-Trichloroethane	7.56	97	11560m	1.043	ug/l	
36) 1,1-Dichloropropene	7.79	75	9456	0.923	ug/l	95
37) Ethyl Acetate	6.93	43	8777m	1.199	ug/l	
38) Carbon Tetrachloride	7.77	117	13768m	1.292	ug/l	
39) Methylcyclohexane	9.08	83	12678	1.026	ug/l	92
40) Benzene	8.04	78	32564	1.034	ug/l	99
41) Methacrylonitrile	7.20	41	4515m	0.958	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.12	62	9983	1.024	ug/l	97
43) Isopropyl Acetate	8.16	43	12064	0.976	ug/l #	72
44) Trichloroethene	8.83	130	9036	1.083	ug/l	96
45) 1,2-Dichloropropane	9.12	63	9013	1.061	ug/l	95
46) Dibromomethane	9.21	93	4996	1.013	ug/l	91
47) Bromodichloromethane	9.40	83	10738	1.033	ug/l	89
48) Methyl methacrylate	9.20	41	4989	0.878	ug/l #	91
49) 1,4-Dioxane	9.20	88	1388	18.031	ug/l #	79
51) 4-Methyl-2-Pentanone	9.99	43	26703	4.206	ug/l	97
52) Toluene	10.15	92	17923	0.967	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	8688	0.859	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	10966	0.920	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	6922	1.000	ug/l	99
56) Ethyl methacrylate	10.43	69	6257	0.772	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	11365	0.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	10695	2.990	ug/l	98
59) 2-Hexanone	10.75	43	17476	4.232	ug/l	91
60) Dibromochloromethane	10.90	129	7868	1.023	ug/l	98
61) 1,2-Dibromoethane	11.00	107	6604	0.989	ug/l	92
64) Tetrachloroethene	10.63	164	8859	1.132	ug/l #	80
65) Chlorobenzene	11.43	112	20876	1.071	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	7304	1.039	ug/l #	59
67) Ethyl Benzene	11.51	91	31827	0.974	ug/l	97
68) m/p-Xylenes	11.62	106	23769	1.926	ug/l	97
69) o-Xylene	11.95	106	12040	0.993	ug/l	92
70) Styrene	11.96	104	15251	0.818	ug/l	97
71) Bromoform	12.13	173	4594	0.940	ug/l #	92
73) Isopropylbenzene	12.25	105	29209	1.109	ug/l	100
74) N-amyl acetate	12.07	43	6004	0.870	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.50	83	7579	1.151	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	6624m	1.221	ug/l	
77) Bromobenzene	12.53	156	7434	1.112	ug/l	87
78) n-propylbenzene	12.59	91	31335	1.046	ug/l	100
79) 2-Chlorotoluene	12.67	91	19758	1.098	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	21830	1.013	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	1701	0.991	ug/l	88
82) 4-Chlorotoluene	12.77	91	17795	1.001	ug/l	96
83) tert-Butylbenzene	12.99	119	19568	1.026	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	20693	0.962	ug/l	99
85) sec-Butylbenzene	13.17	105	26945	1.035	ug/l	98
86) p-Isopropyltoluene	13.29	119	21722	0.987	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	11973	1.035	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	11569m	1.031	ug/l	
89) n-Butylbenzene	13.62	91	16963	0.914	ug/l	97
90) Hexachloroethane	13.88	117	4967	1.164	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	11778	1.052	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1033	1.110	ug/l	83
93) 1,2,4-Trichlorobenzene	14.91	180	3176	0.598	ug/l	98
94) Hexachlorobutadiene	15.01	225	4724	1.168	ug/l	94
95) Naphthalene	15.14	128	5992	0.544	ug/l	95

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VSTDICC001

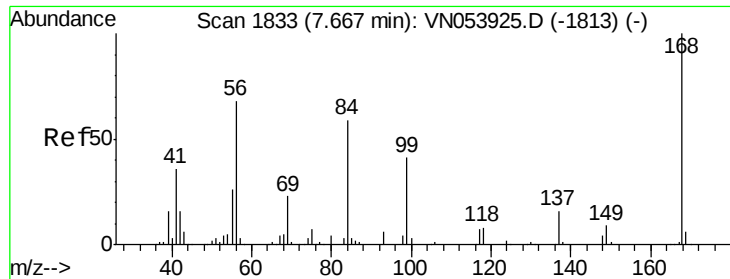
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	3642	0.683	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 676627

Ion Ratio Lower Upper

168 100

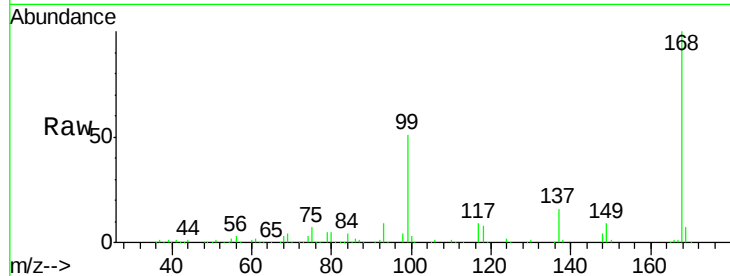
99 50.2 36.9 55.3

Manual Integrations

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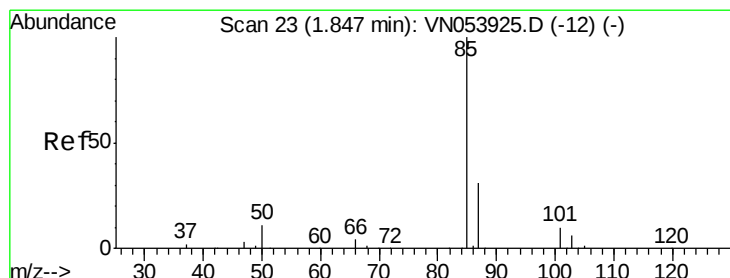
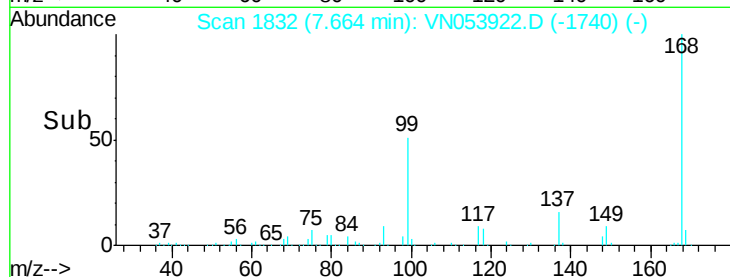
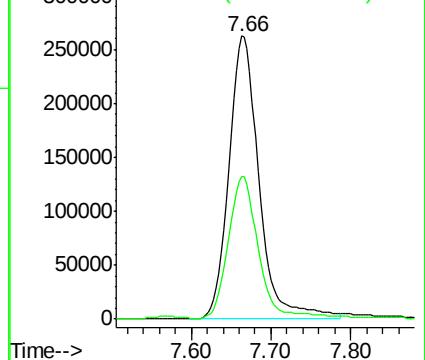
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.061 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053922.D

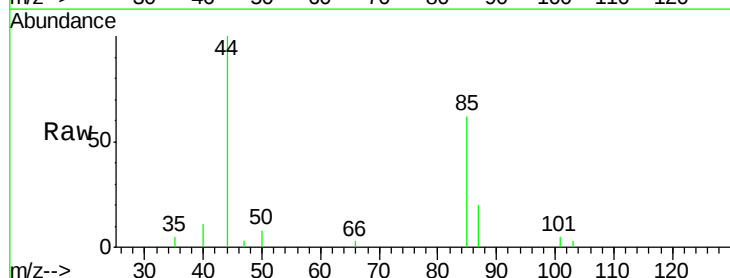
Acq: 25 Feb 2019 11:01

Tgt Ion: 85 Resp: 6605

Ion Ratio Lower Upper

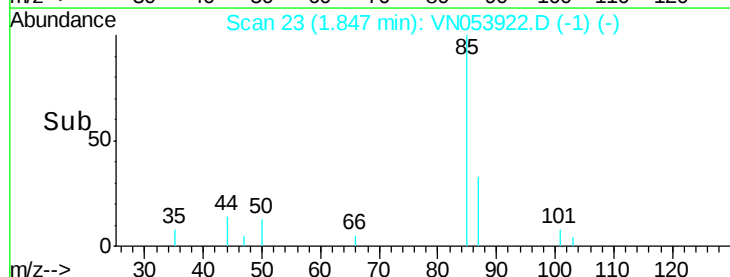
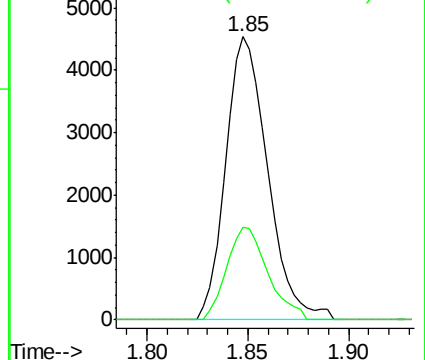
85 100

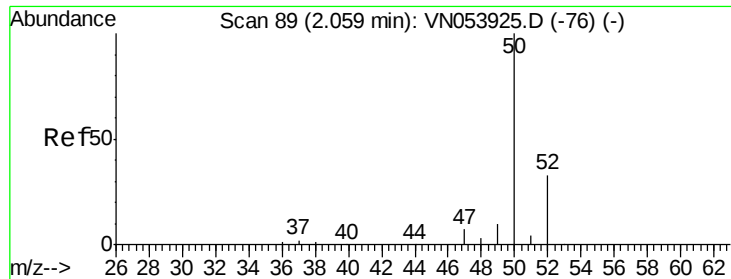
87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.050 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 9068

Ion Ratio Lower Upper

50 100

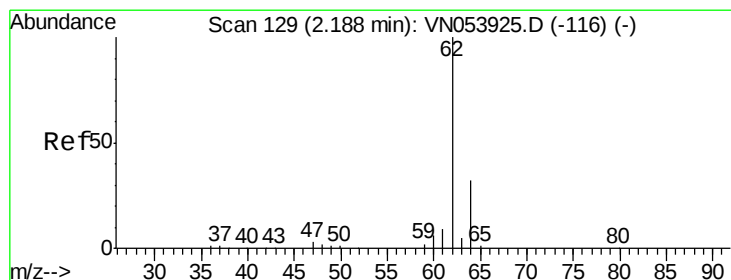
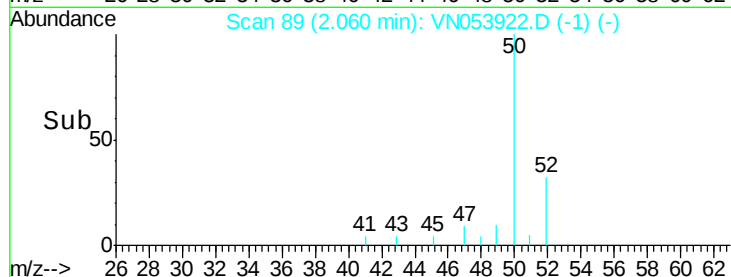
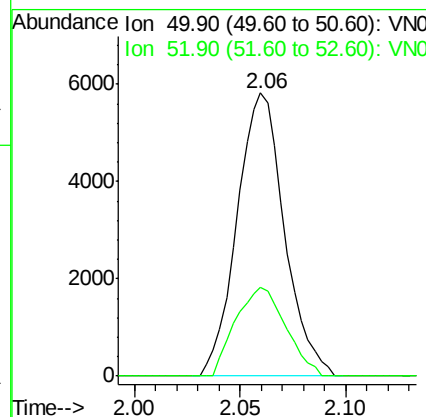
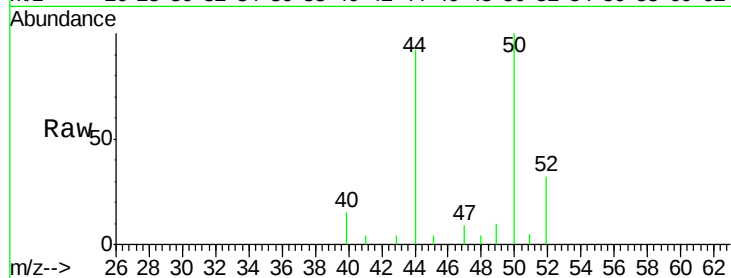
52 31.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.038 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053922.D

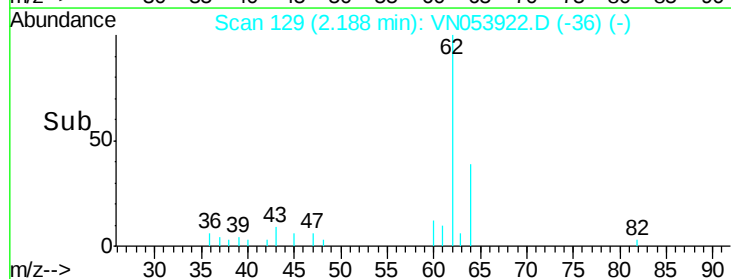
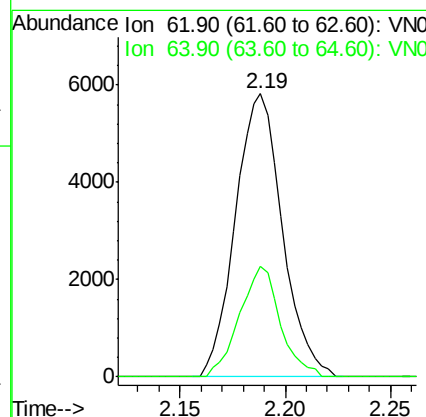
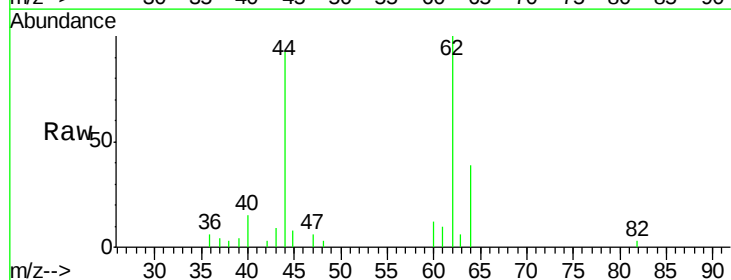
Acq: 25 Feb 2019 11:01

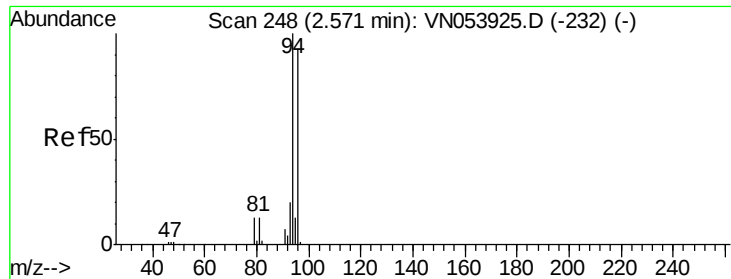
Tgt Ion: 62 Resp: 8986

Ion Ratio Lower Upper

62 100

64 38.9 25.1 37.7#





#5

Bromomethane

Concen: 1.108 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 6348

Ion Ratio Lower Upper

94 100

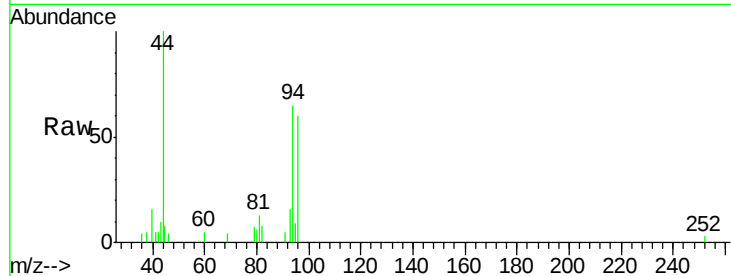
96 91.8 74.9 112.3

Manual Integrations

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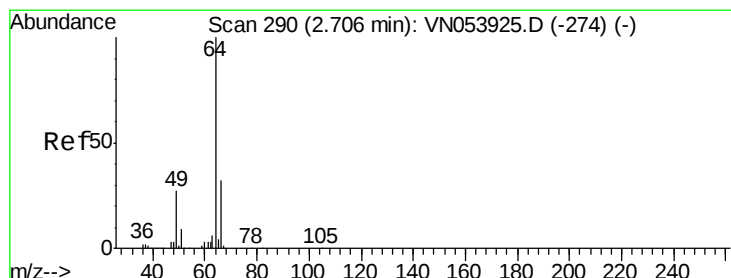
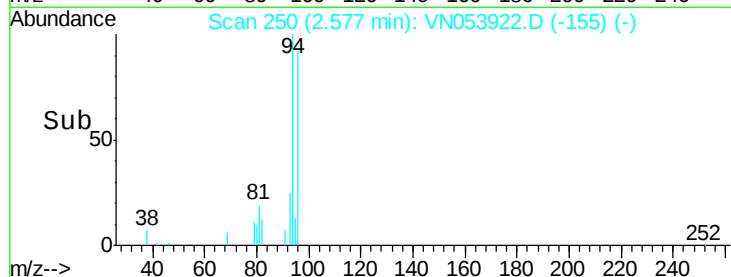
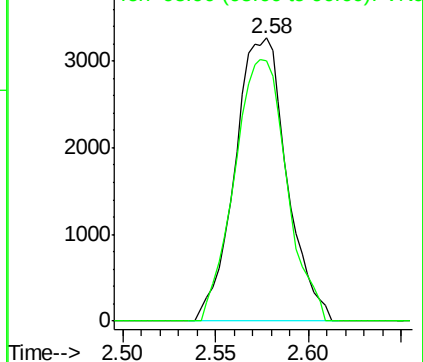
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 1.199 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053922.D

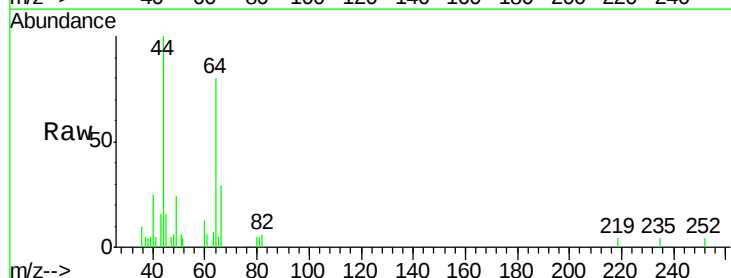
Acq: 25 Feb 2019 11:01

Tgt Ion: 64 Resp: 6455

Ion Ratio Lower Upper

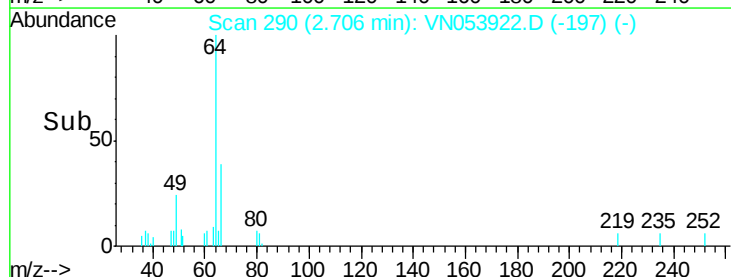
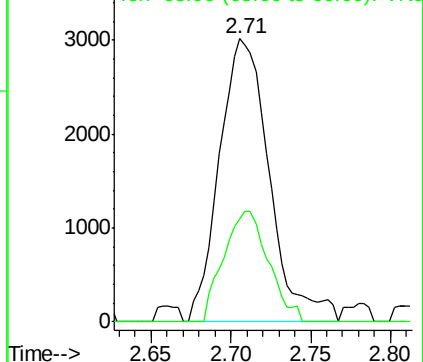
64 100

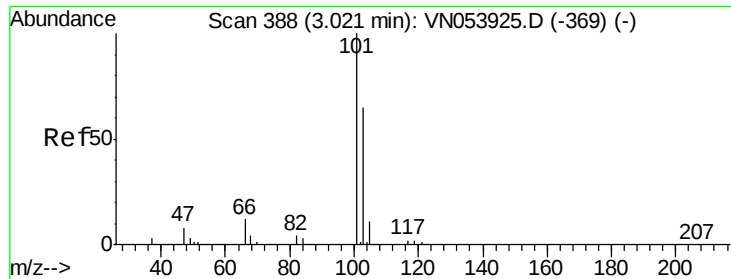
66 36.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

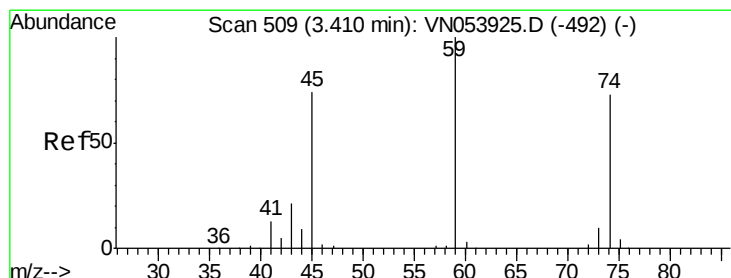
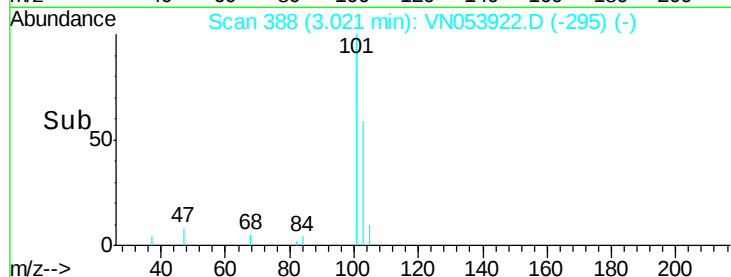
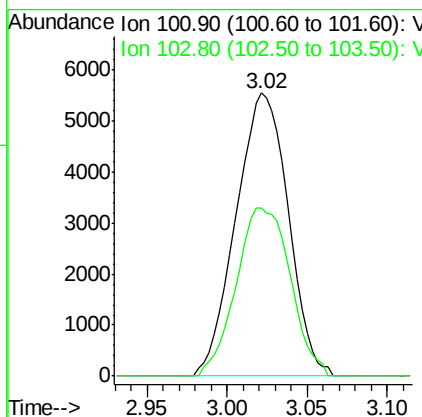
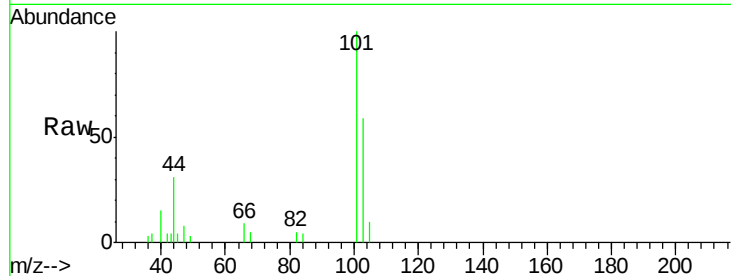
Trichlorofluoromethane
Concen: 1.124 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.4	51.9	77.9

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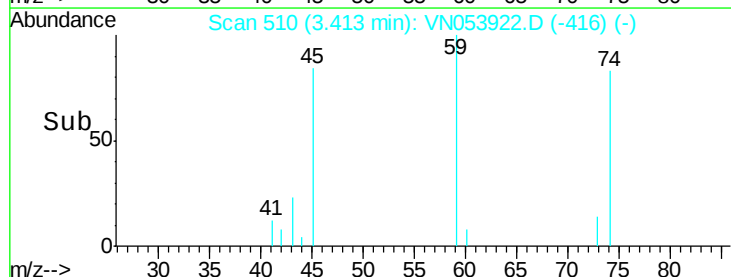
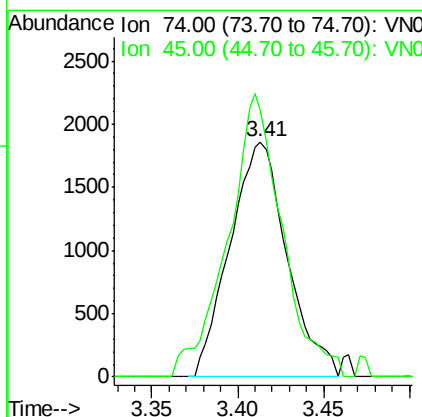
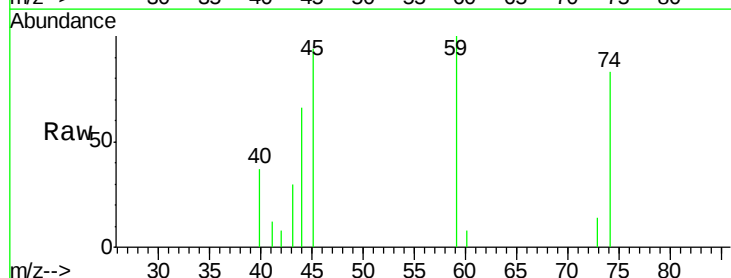
MMDadoda
2/28/2019 10:47:50 AM

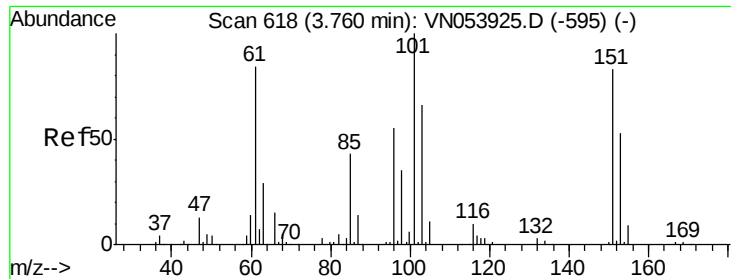


#8

Diethyl Ether
Concen: 1.036 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.3	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.130 ug/l m

RT: 3.77 min Scan# 621

Delta R.T. 0.01 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

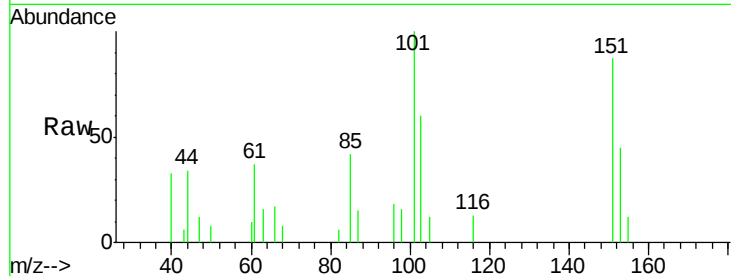
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	7891
Ion Ratio	Lower	Upper	
101	100		
85	28.6	32.5	48.7#
151	85.0	70.2	105.2

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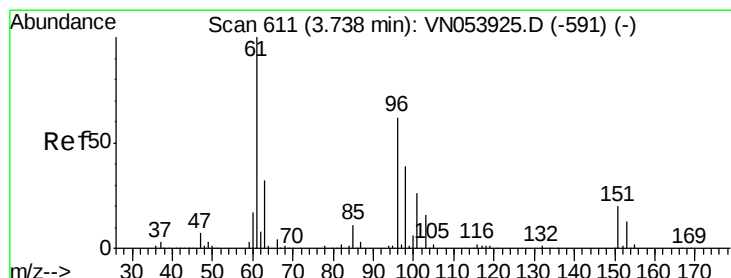
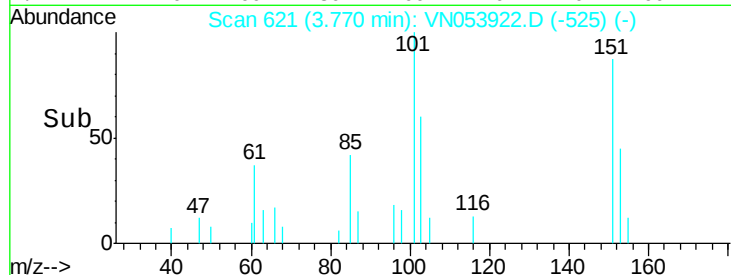
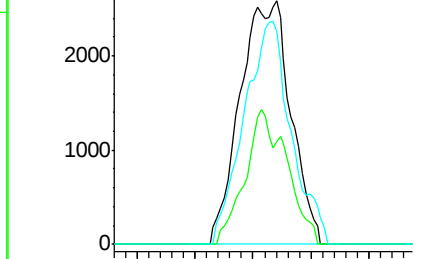
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.080 ug/l

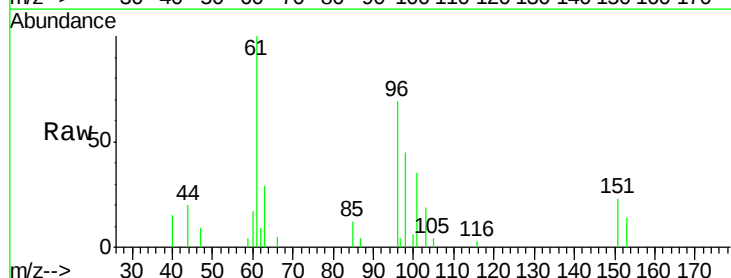
RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

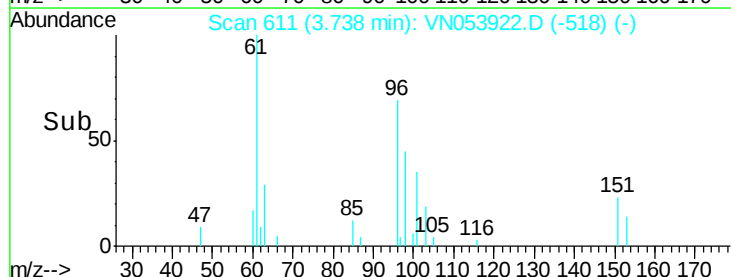
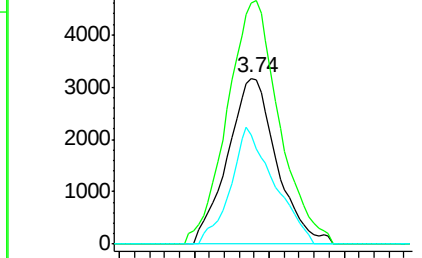
Tgt Ion:	96	Resp:	7217
Ion Ratio	Lower	Upper	
96	100		
61	145.5	121.0	181.4
98	65.9	52.2	78.2

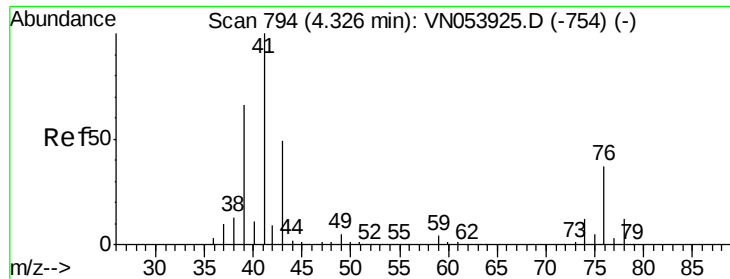


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#14

Allvl chloride

Concen: 1.032 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

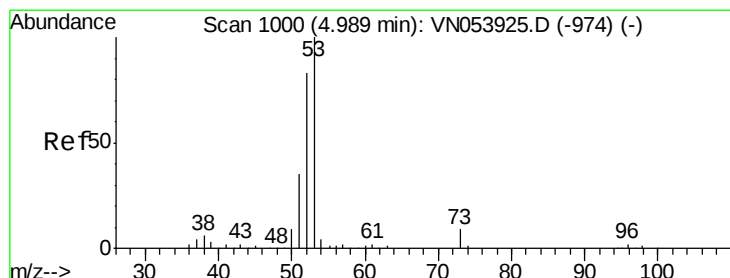
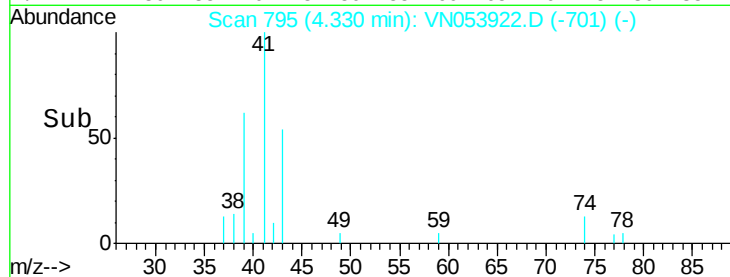
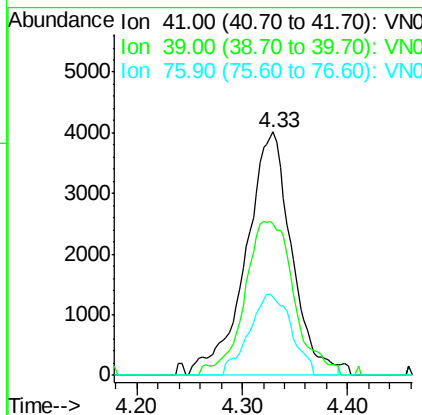
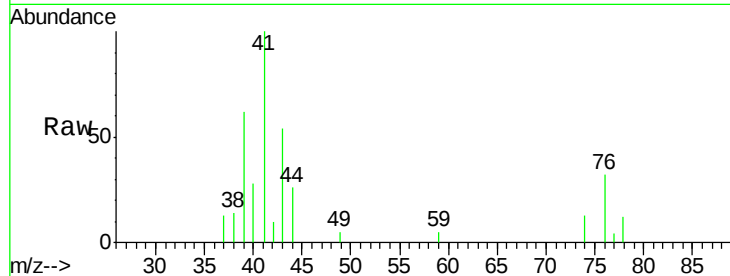
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	12090
Ion	Ratio	Lower	Upper
41	100		
39	67.4	48.8	73.2
76	30.9	30.9	46.3

Manual Integrations
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#15

Acrylonitrile

Concen: 4.724 ug/l m

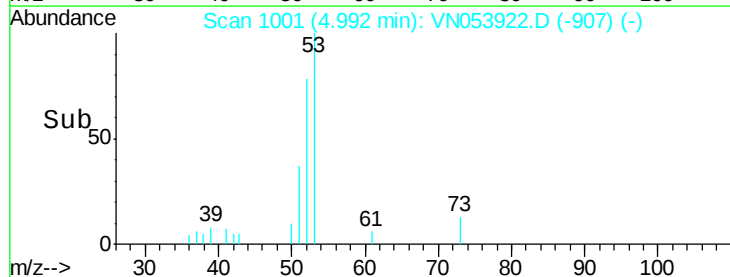
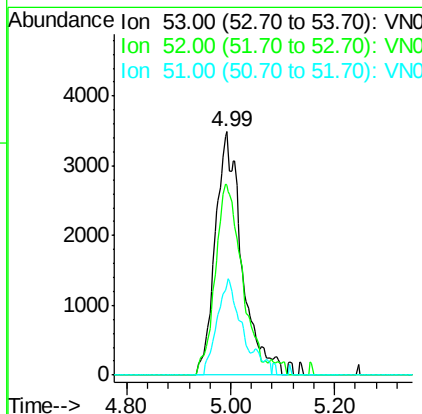
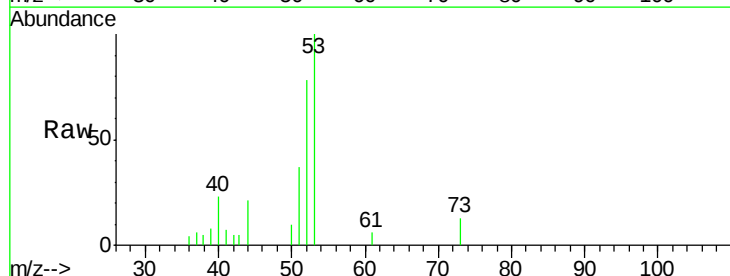
RT: 4.99 min Scan# 1001

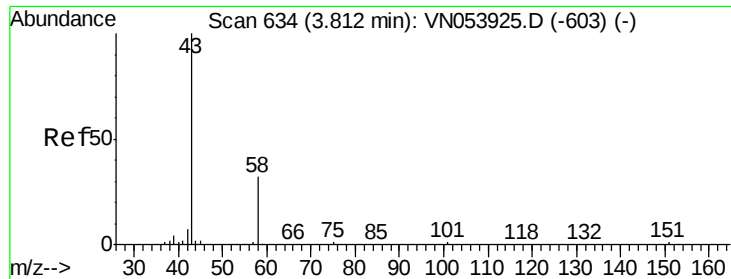
Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Tgt Ion:	53	Resp:	12518
Ion	Ratio	Lower	Upper
53	100		
52	77.2	65.1	97.7
51	32.9	28.2	42.4





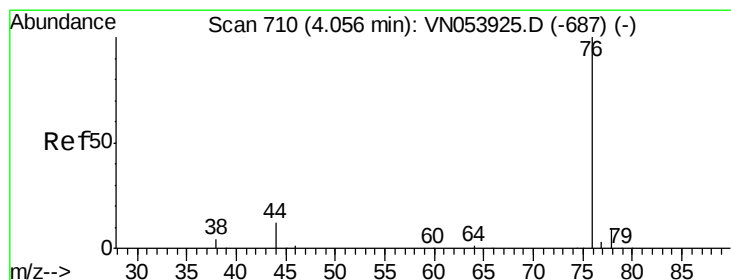
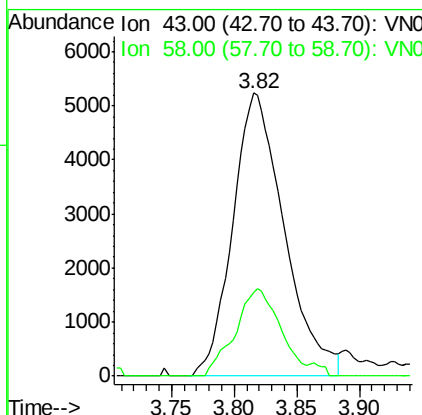
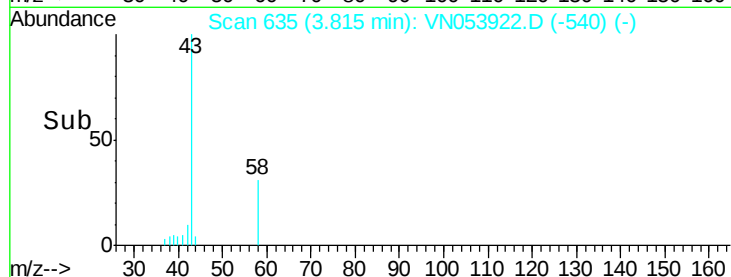
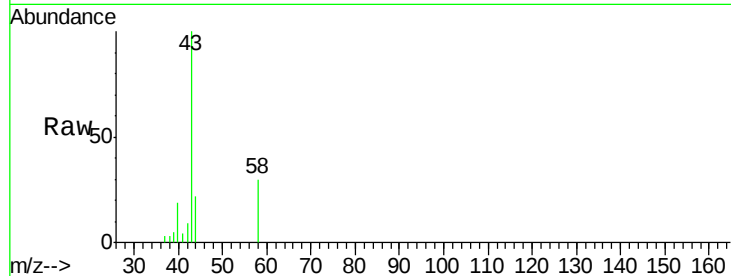
#16
Acetone
Concen: 6.431 ug/l
RT: 3.82 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.6	27.6	41.4

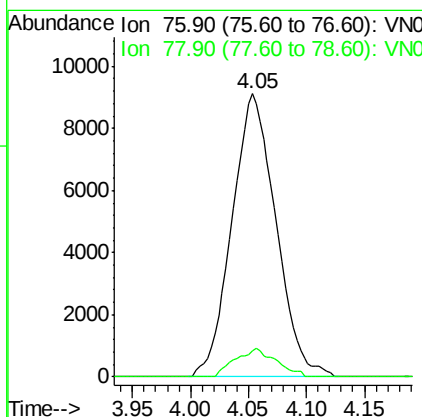
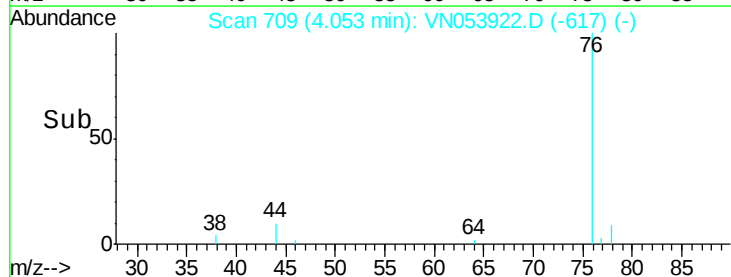
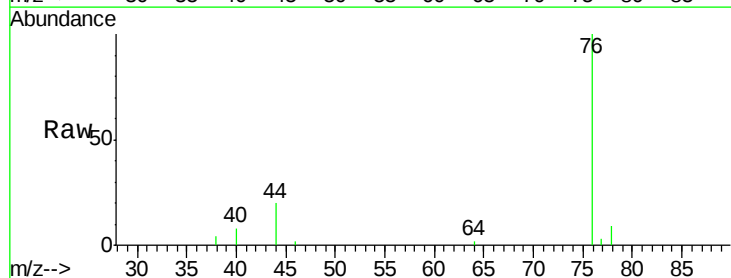
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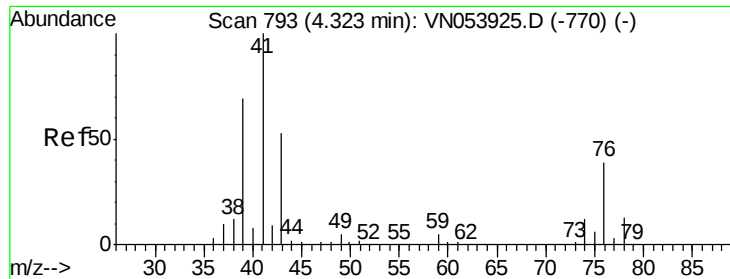
MMDadoda
2/28/2019 10:47:50 AM



#17
Carbon Disulfide
Concen: 1.113 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3





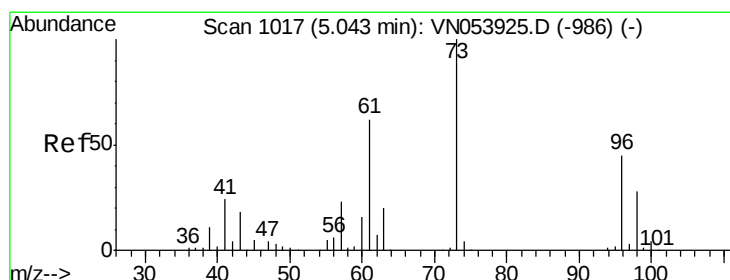
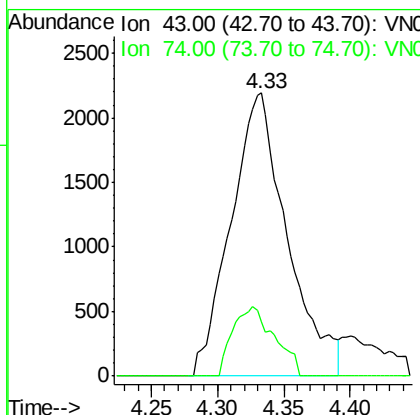
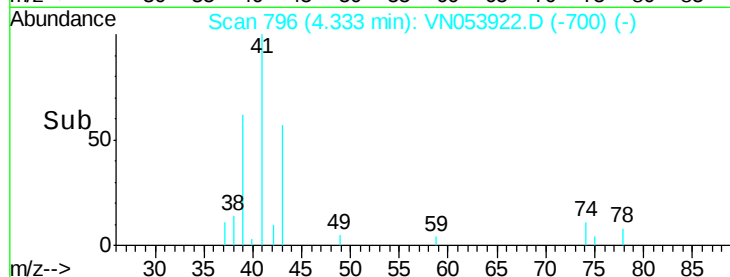
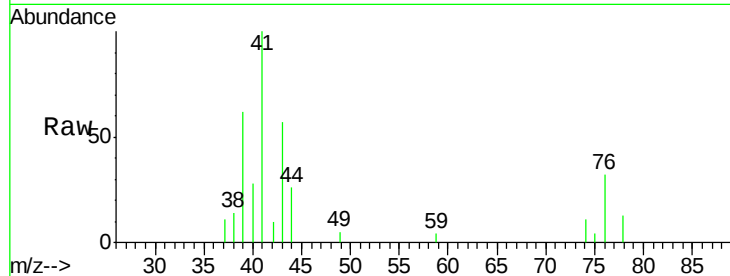
#18
Methyl Acetate
Concen: 1.166 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 6465
Ion Ratio Lower Upper
43 100
74 18.3 20.5 30.7#

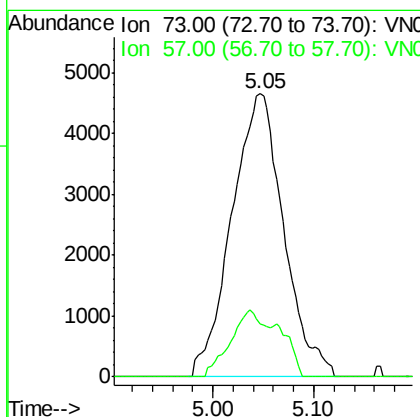
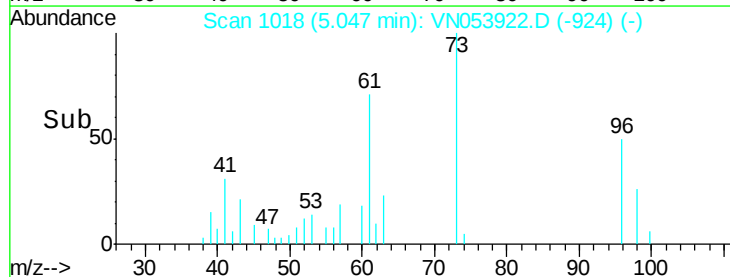
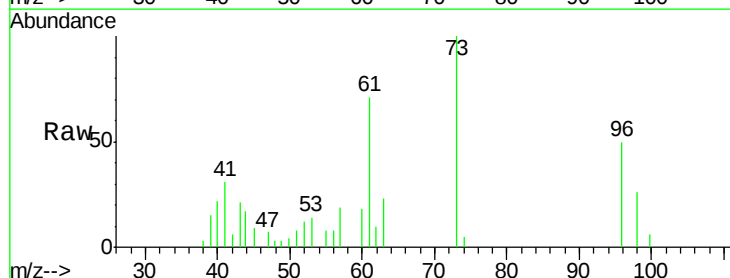
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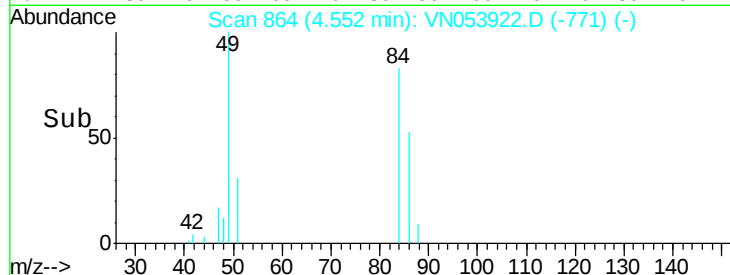
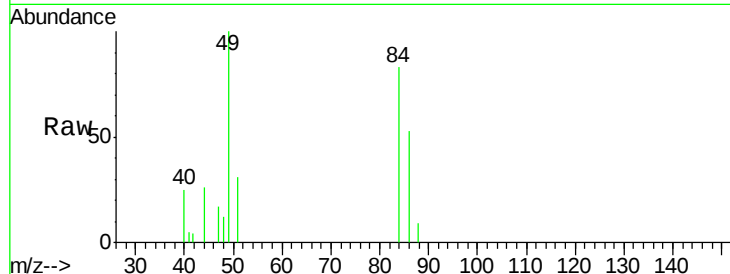
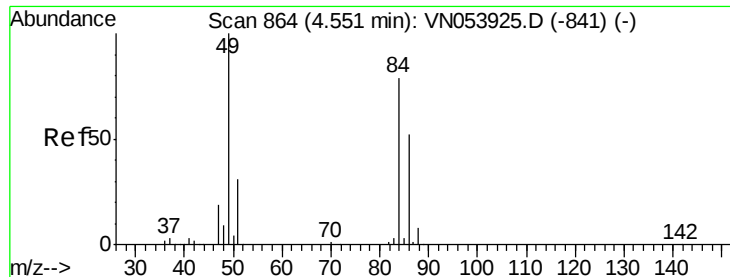
MMDadoda
2/28/2019 10:47:50 AM



#19
Methyl tert-butyl Ether
Concen: 0.927 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion: 73 Resp: 16612
Ion Ratio Lower Upper
73 100
57 18.9 18.0 27.0





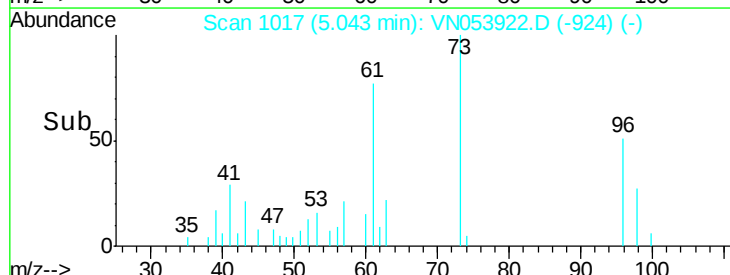
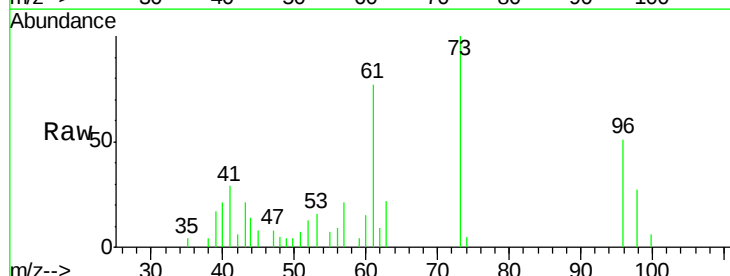
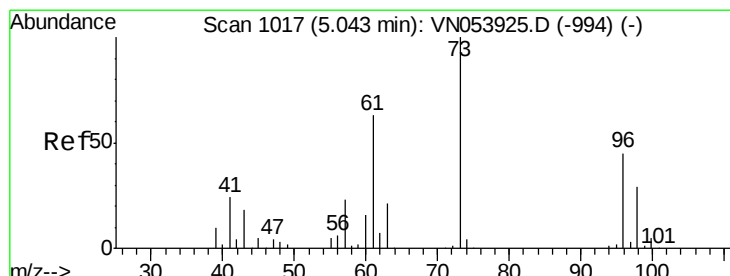
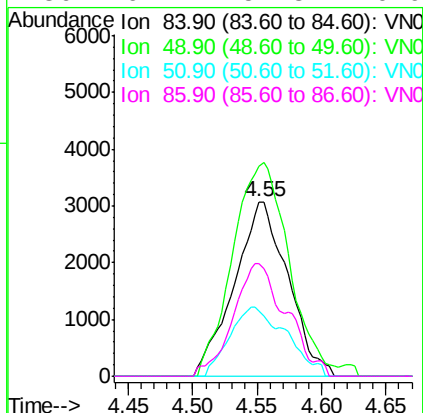
#20
Methvlene Chloride
Concen: 1.131 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tot Ion:	84	Resp:	8879
Ion	Ratio	Lower	Upper
84	100		
49	120.5	89.7	134.5
51	37.6	27.8	41.8
86	64.4	51.3	76.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

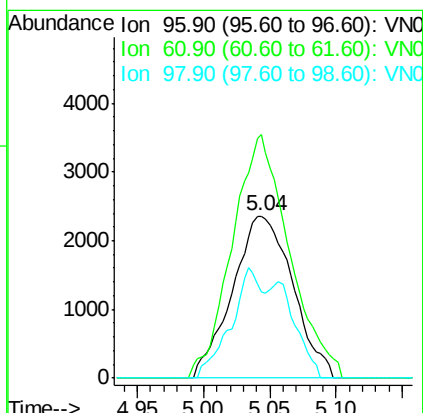
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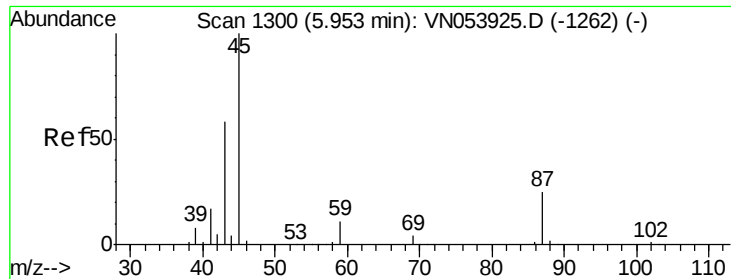
MMDadoda
2/28/2019 10:47:50 AM



#21
trans-1,2-Dichloroethene
Concen: 1.032 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion:	96	Resp:	7457
Ion	Ratio	Lower	Upper
96	100		
61	150.2	104.5	156.7
98	53.0	50.6	76.0





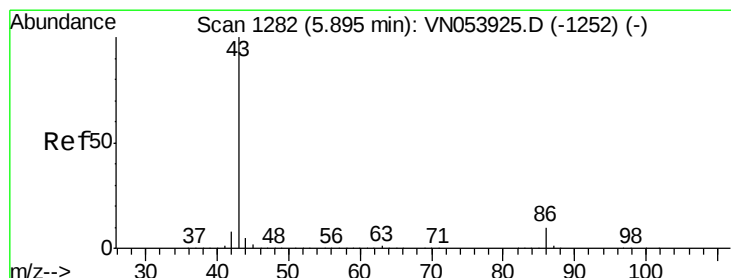
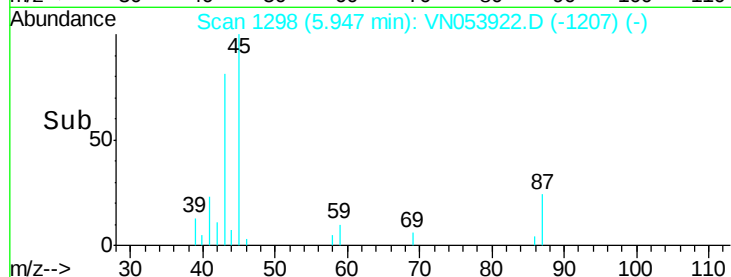
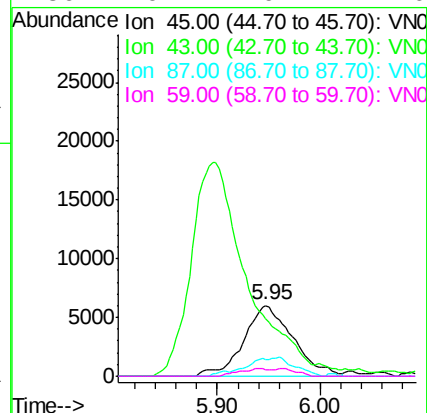
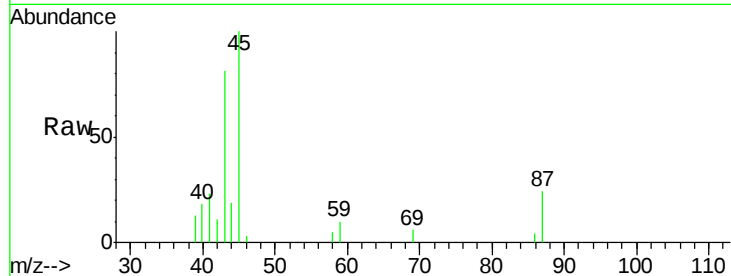
#22
Diisopropyl ether
Concen: 0.886 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
43	71.2	46.2	69.4#
87	24.1	23.4	35.0
59	9.7	9.4	14.0

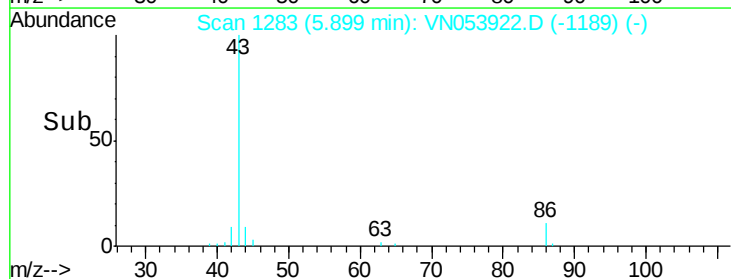
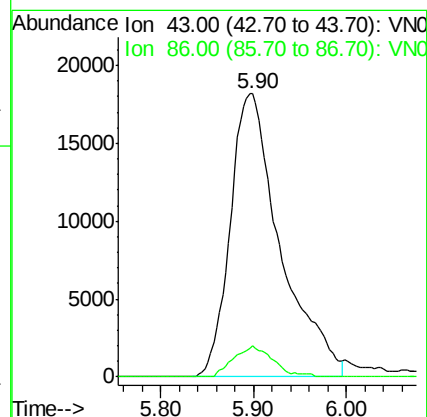
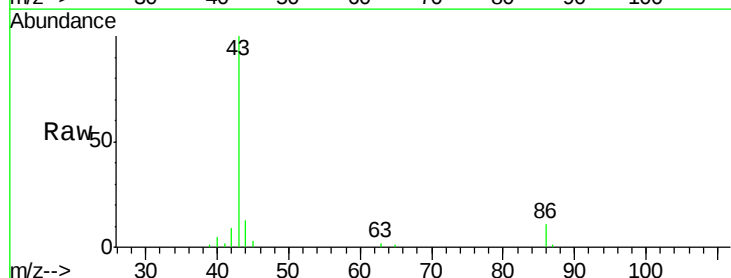
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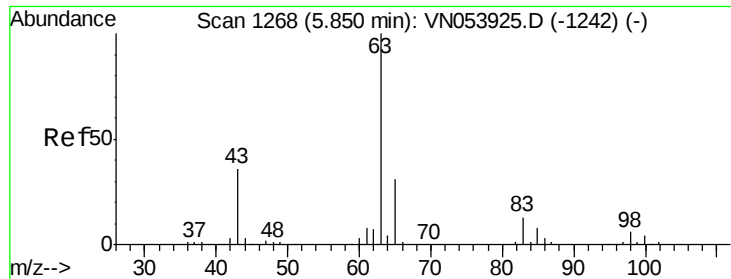
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#23
Vinyl Acetate
Concen: 4.189 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.9	9.1	13.7





#24

1,1-Dichloroethane

Concen: 1.083 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

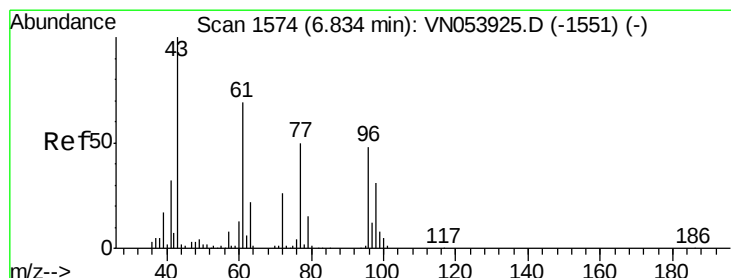
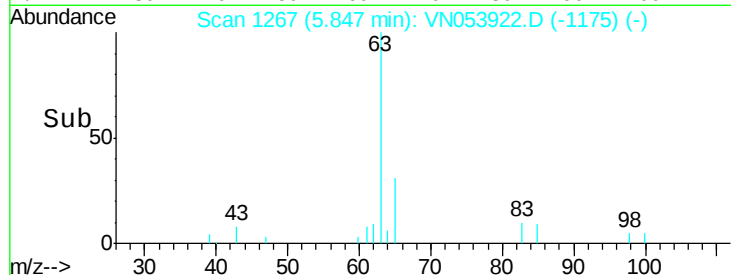
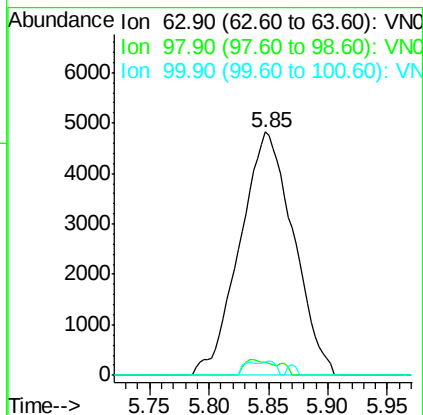
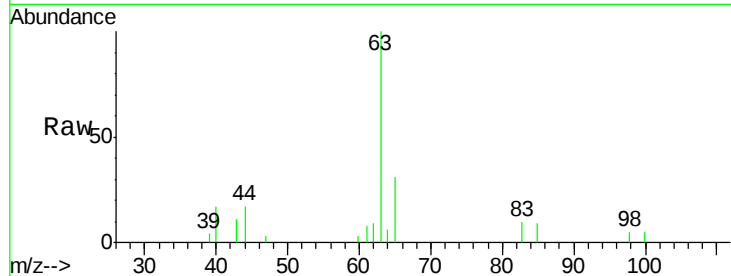
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	15007
Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.4	10.2
100	5.3	2.2	6.6

Manual Integrations
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#25

2-Butanone

Concen: 4.798 ug/l m

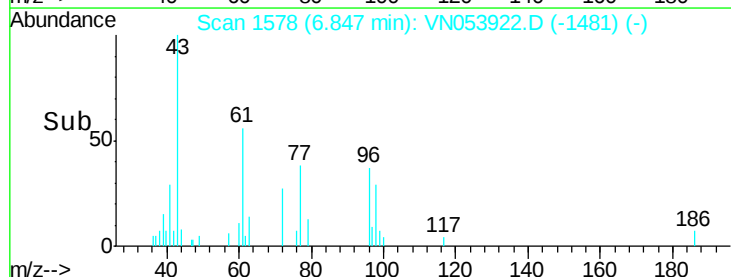
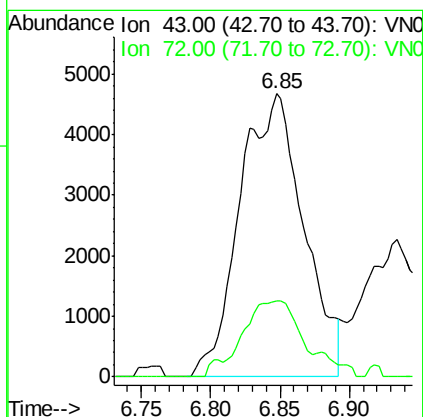
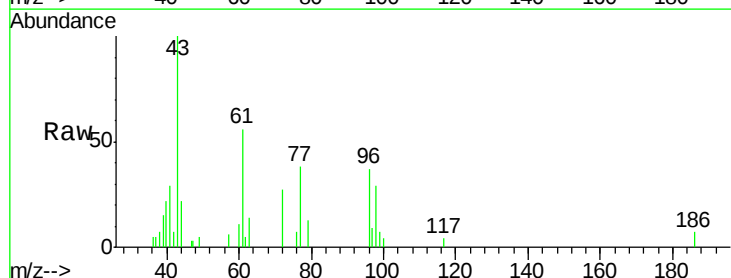
RT: 6.85 min Scan# 1578

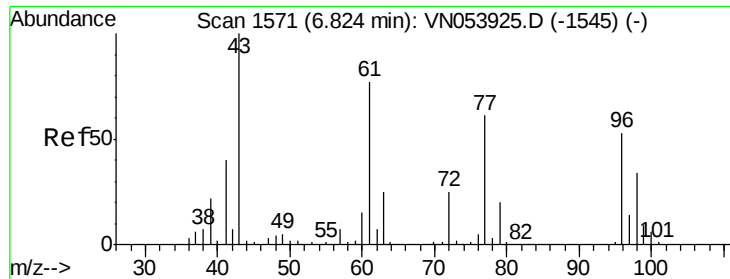
Delta R.T. 0.01 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Tgt Ion:	43	Resp:	14943
Ion	Ratio	Lower	Upper
43	100		
72	26.8	22.1	33.1





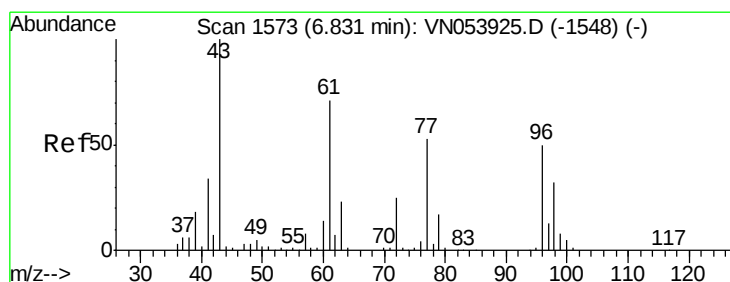
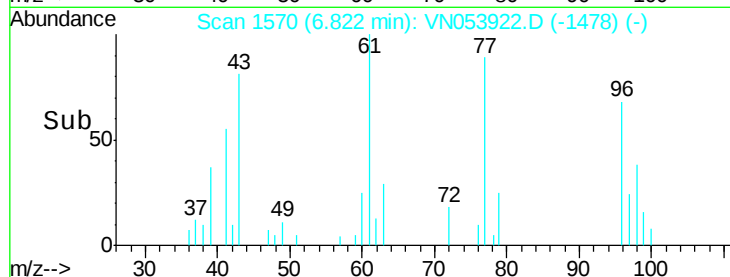
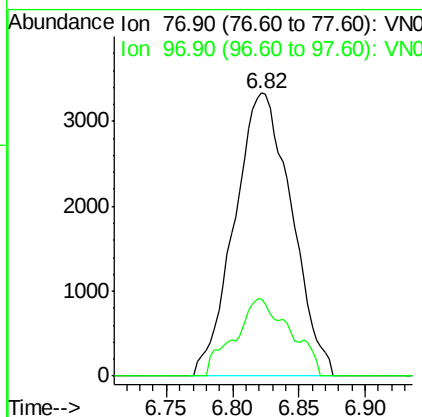
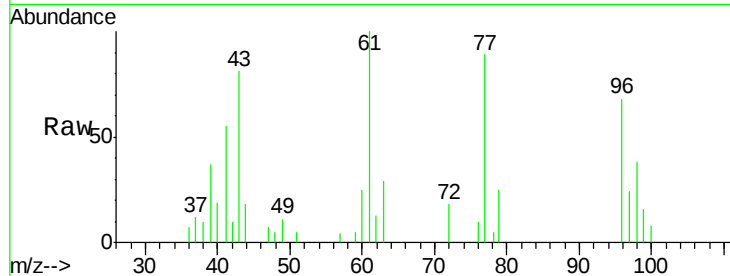
#26
 2,2-Dichloropropane
 Concen: 1.016 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 10001
 Ion Ratio Lower Upper
 77 100
 97 26.7 12.3 36.9

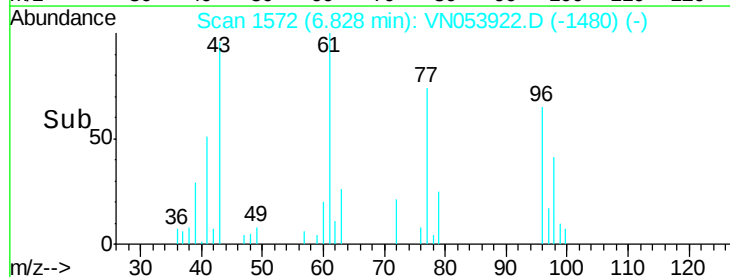
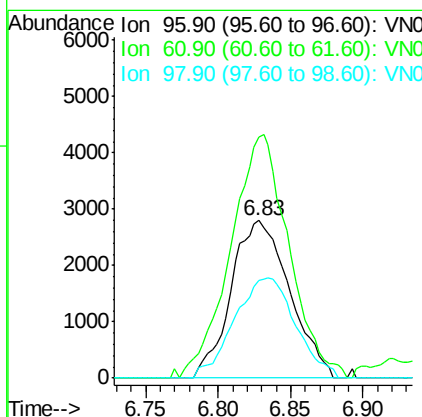
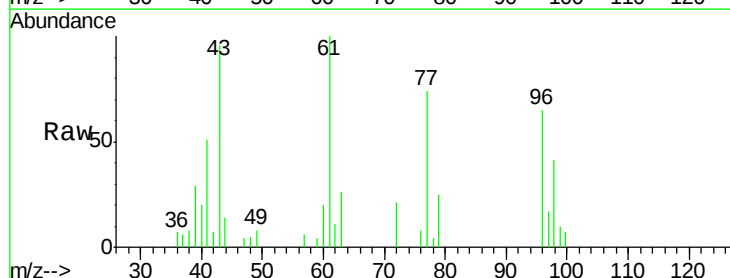
Manual Integrations
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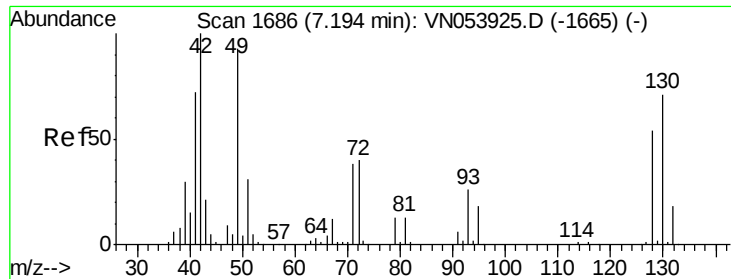
MMDadoda
 2/28/2019 10:47:50 AM



#27
 cis-1,2-Dichloroethene
 Concen: 0.975 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Tgt Ion: 96 Resp: 7839
 Ion Ratio Lower Upper
 96 100
 61 154.3 0.0 275.6
 98 66.4 0.0 130.0





#28

Bromochloromethane

Concen: 1.039 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 6590

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

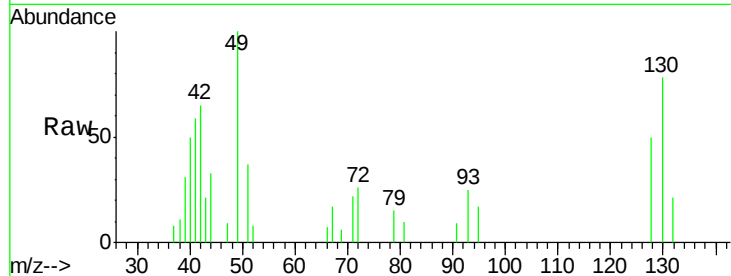
130 71.3 72.9 109.3#

Manual Integrations

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MMDadoda

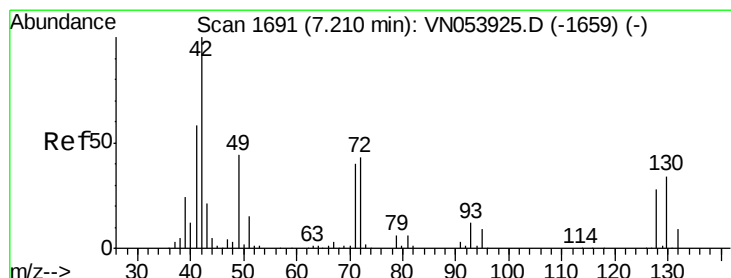
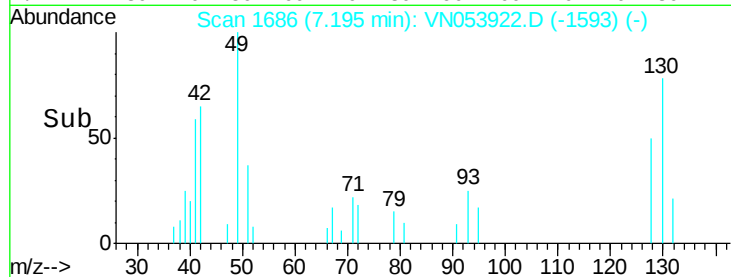
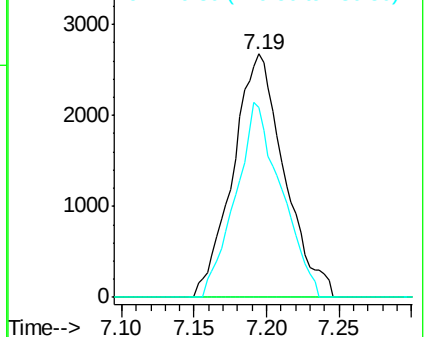
2/28/2019 10:47:50 AM



Abundance Ion 48.90 (48.60 to 49.60): VN053922.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053922.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053922.D (-1593) (-)



#29

Tetrahydrofuran

Concen: 4.792 ug/l m

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

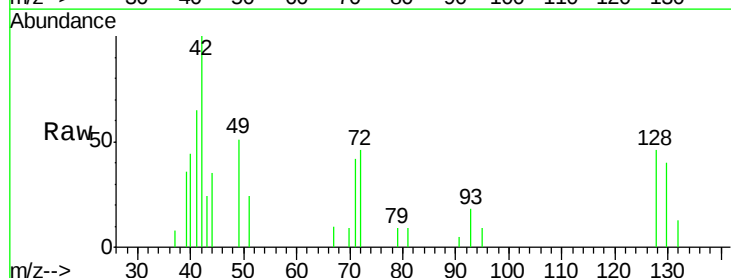
Tgt Ion: 42 Resp: 9938

Ion Ratio Lower Upper

42 100

72 37.8 36.9 55.3

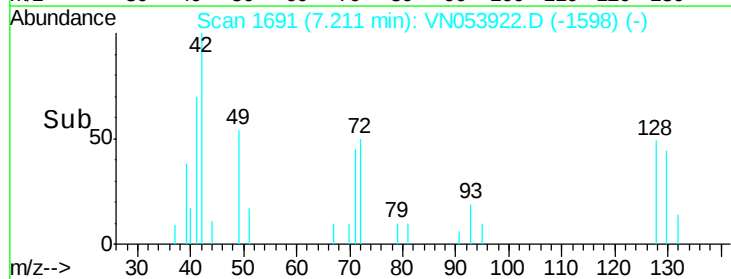
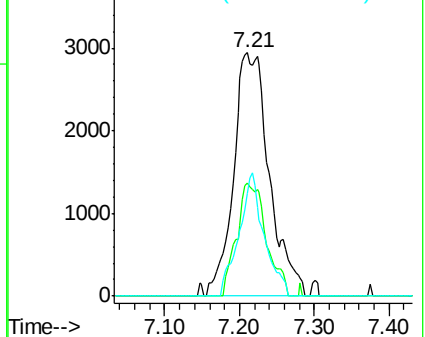
71 34.8 34.6 52.0

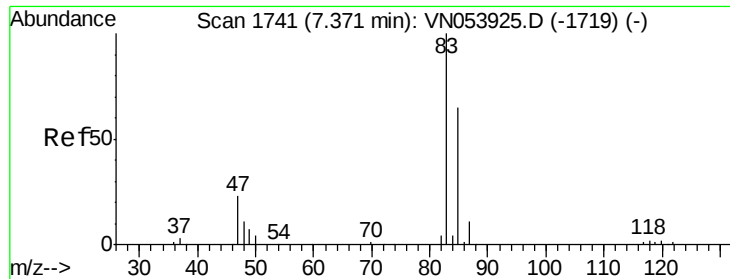


Abundance Ion 42.00 (41.70 to 42.70): VN053922.D (-1598) (-)

Ion 72.00 (71.70 to 72.70): VN053922.D (-1598) (-)

Ion 71.00 (70.70 to 71.70): VN053922.D (-1598) (-)





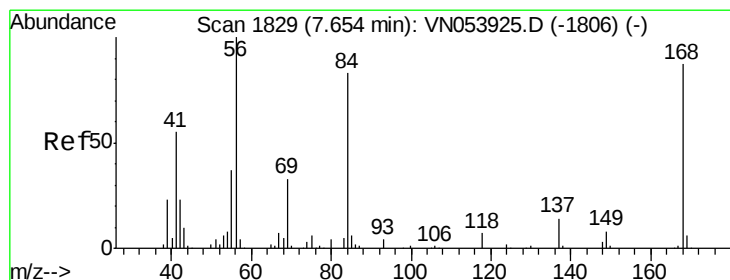
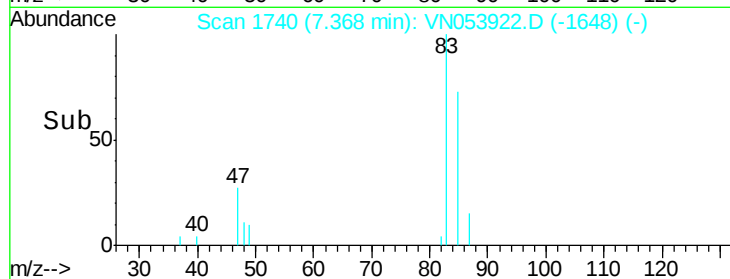
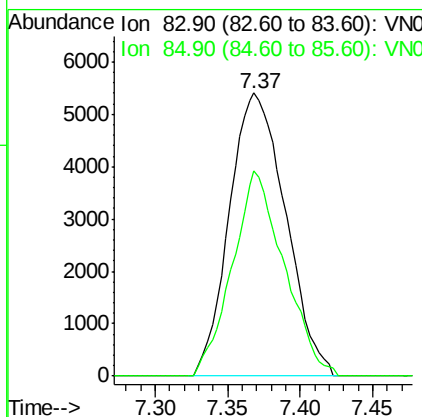
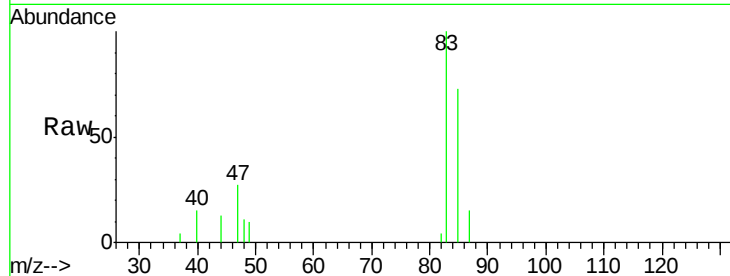
#30
Chloroform
Concen: 1.086 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	14590
Ion Ratio	100	Lower	Upper
85	72.7	52.6	78.8

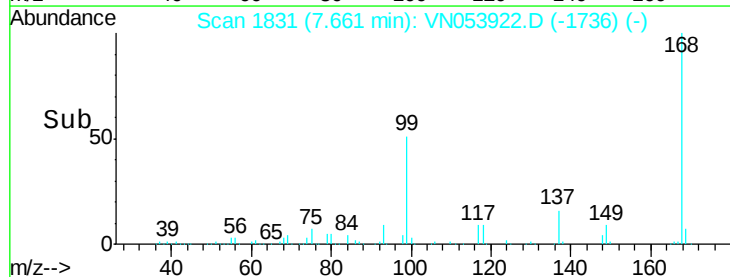
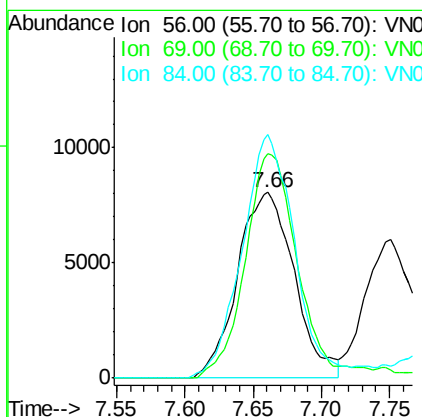
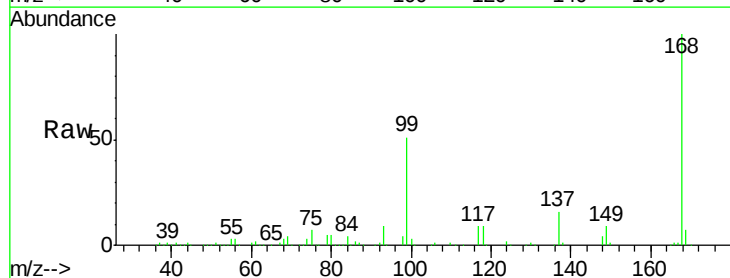
Manual Integrations
APPROVED

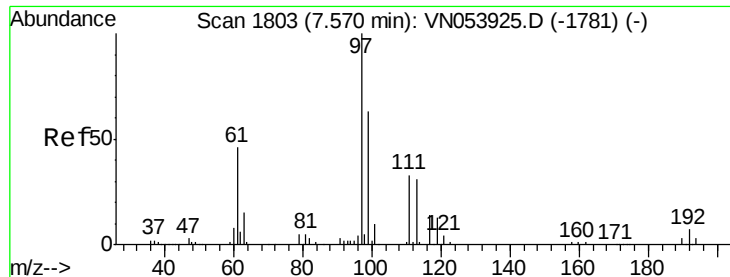
MMDadoda
2/28/2019 10:47:50 AM



#31
Cyclohexane
Concen: 1.579 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion	56	Resp	23299
Ion Ratio	100	Lower	Upper
69	120.6	26.0	39.0#
84	131.0	69.1	103.7#





#32

1,1,1-Trichloroethane

Concen: 1.043 ug/l m

RT: 7.56 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 11560

Ion Ratio Lower Upper

97 100

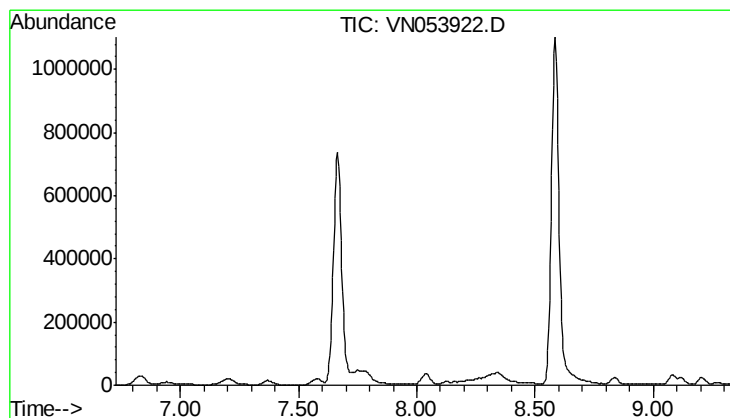
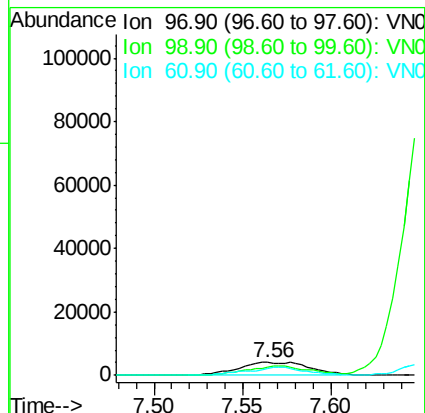
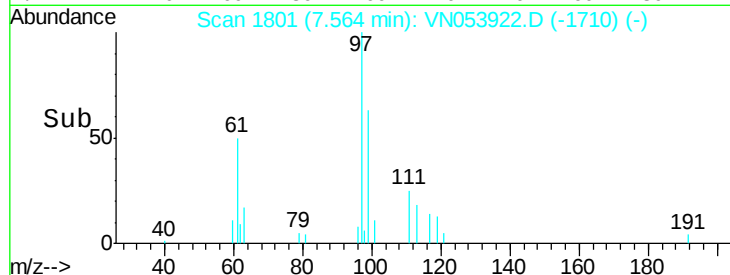
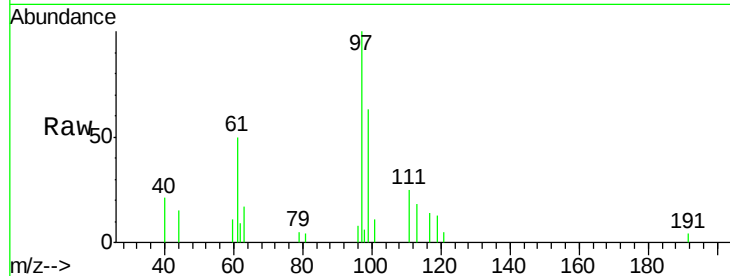
99 0.0 51.8 77.8#

61 51.2 33.2 49.8#

Manual Integrations
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MMDadoda

2/28/2019 10:47:50 AM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN053922.D

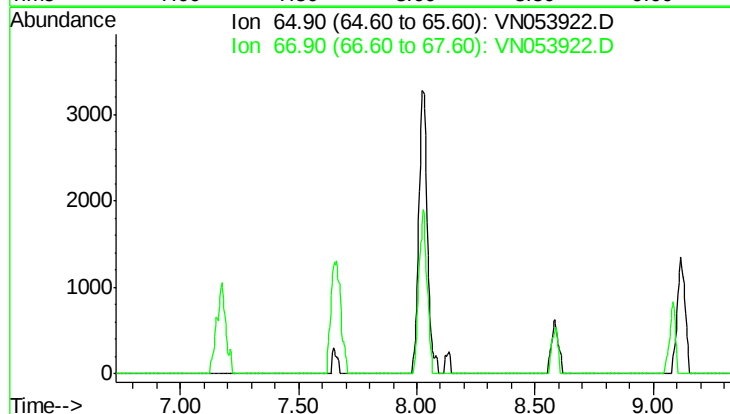
Acq: 25 Feb 2019 11:01

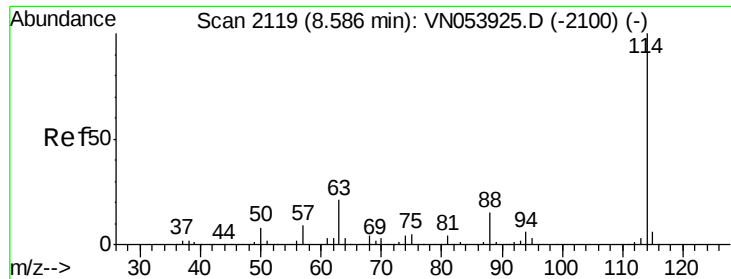
Tgt Ion: 65

Sig Exp Ratio

65 100

67 55.9





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:114 Resp: 1102078

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

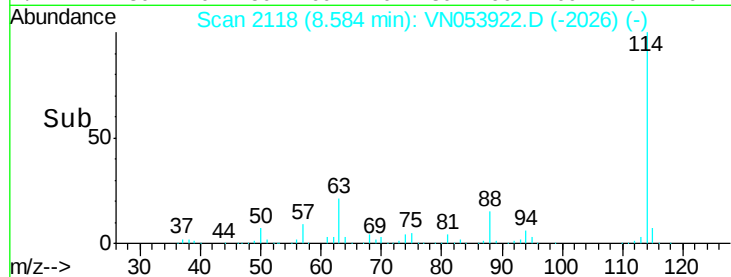
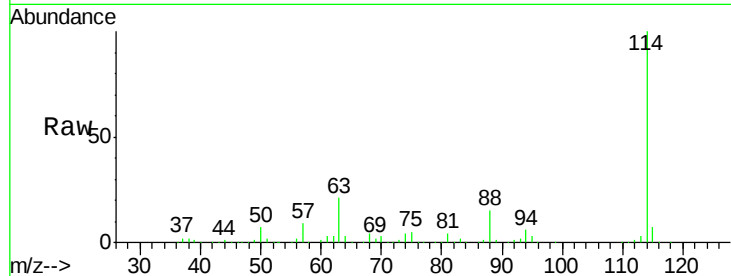
88 14.9 0.0 30.4

Manual Integrations

APPROVED

MMDadoda

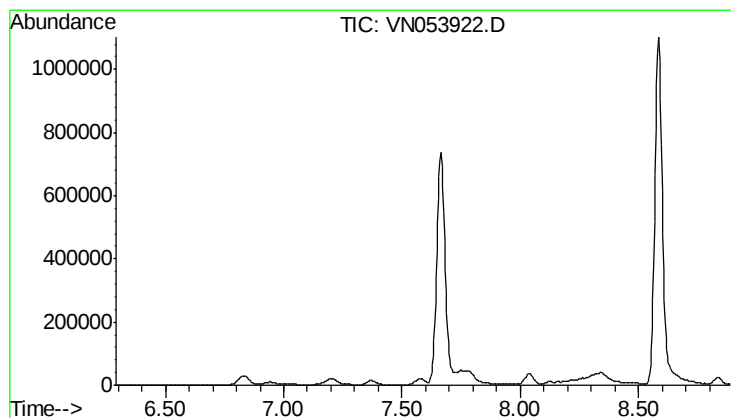
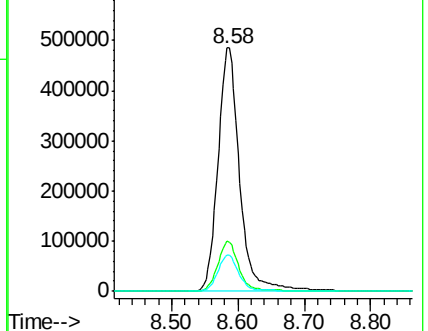
2/28/2019 10:47:50 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.59 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

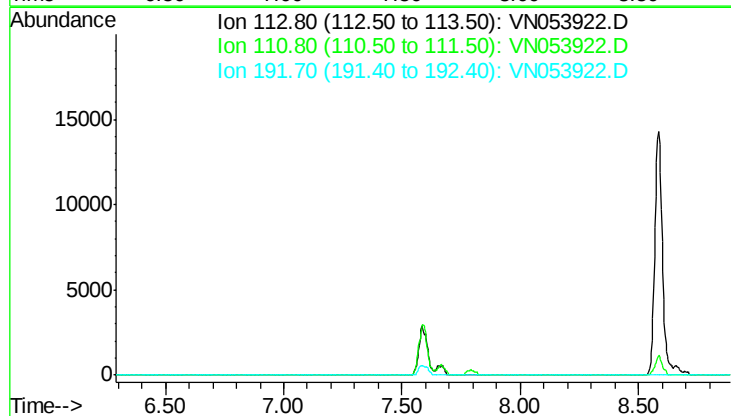
Tgt Ion: 113

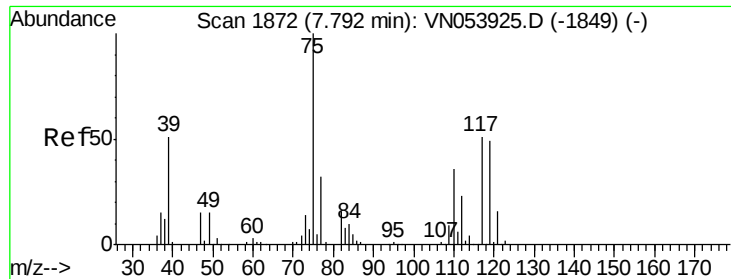
Sig Exp Ratio

113 100

111 101.4

192 23.5





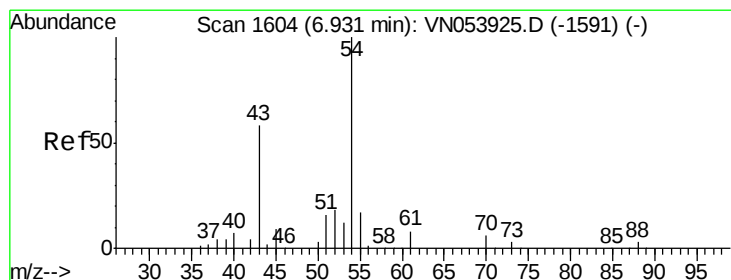
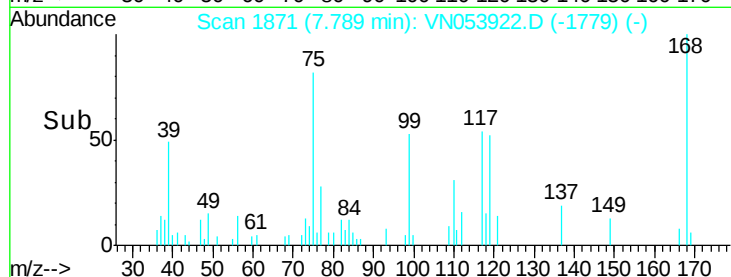
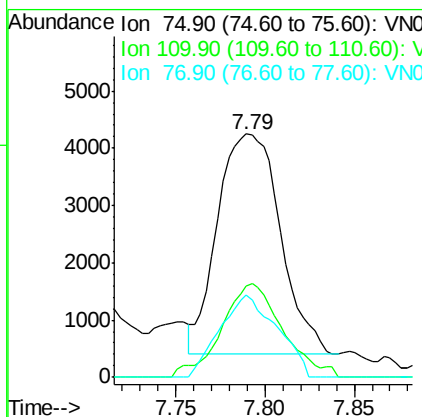
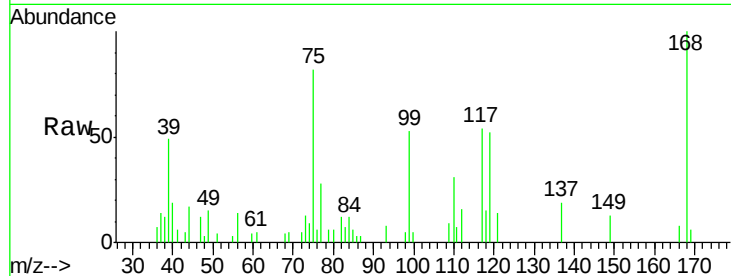
#36
 1,1-Dichloropropene
 Concen: 0.923 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	41.2	19.0	57.0
77	34.0	25.4	38.0

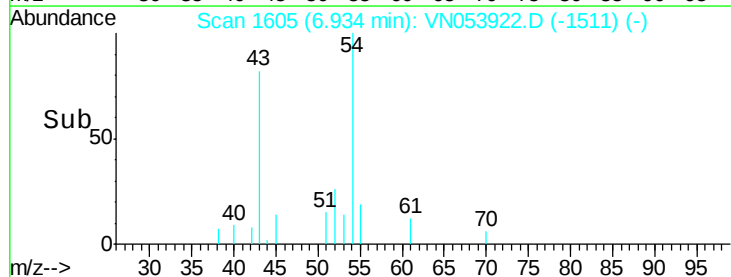
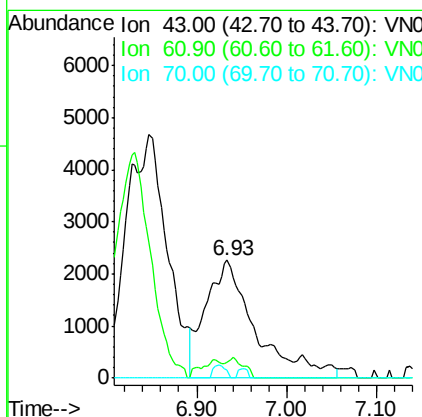
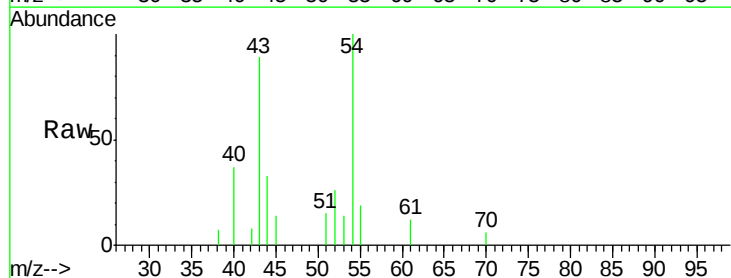
Manual Integrations
 APPROVED

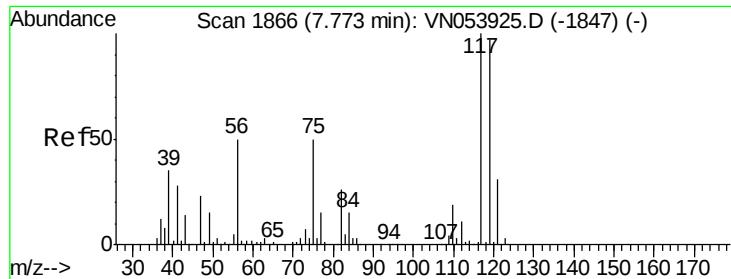
MMDadoda
 2/28/2019 10:47:50 AM



#37
 Ethyl Acetate
 Concen: 1.199 ug/l m
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.6	12.0	18.0#
70	1.5	8.7	13.1#





#38

Carbon Tetrachloride

Concen: 1.292 ug/l m

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

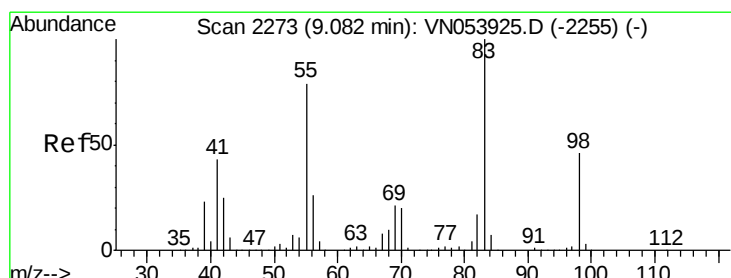
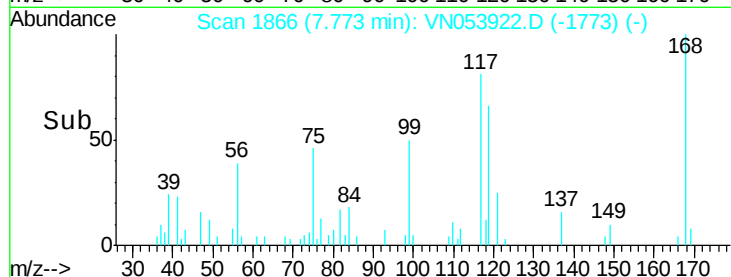
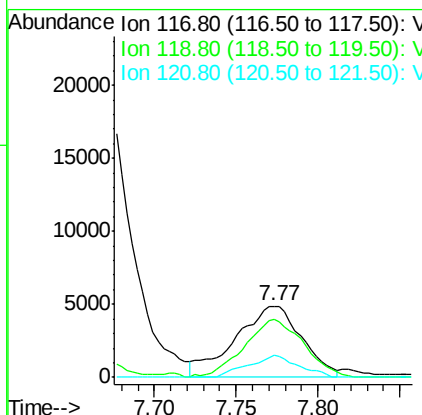
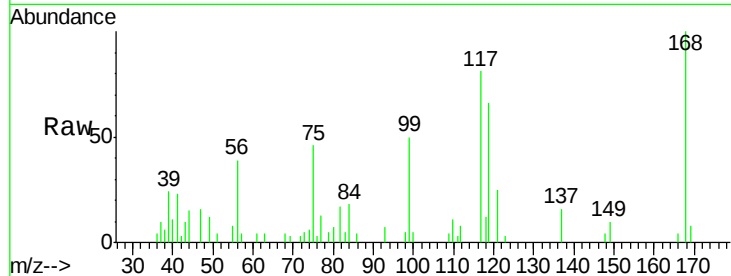
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	13768
Ion	Ratio	Lower	Upper
117	100		
119	81.3	76.2	114.2
121	31.0	24.6	36.8

Manual Integrations
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MMDadoda
2/28/2019 10:47:50 AM



#39

Methylcyclohexane

Concen: 1.026 ug/l

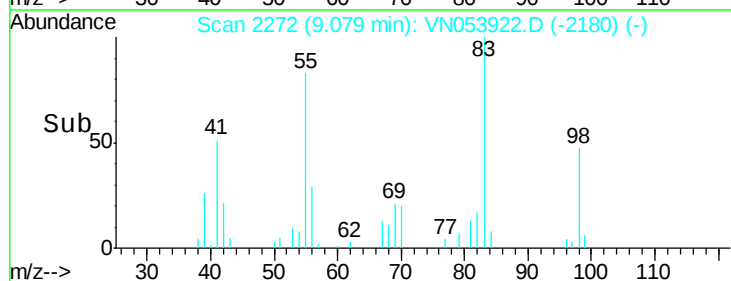
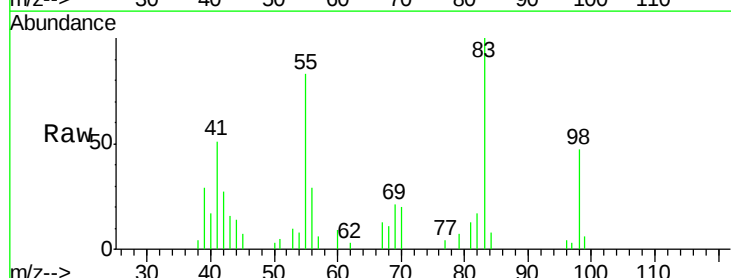
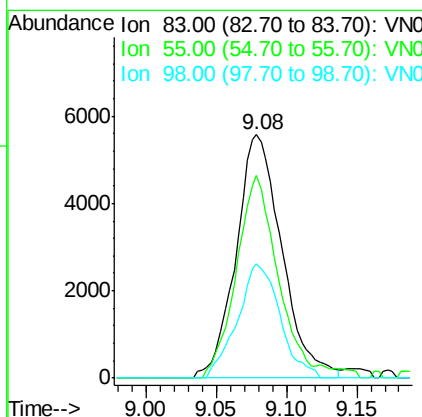
RT: 9.08 min Scan# 2272

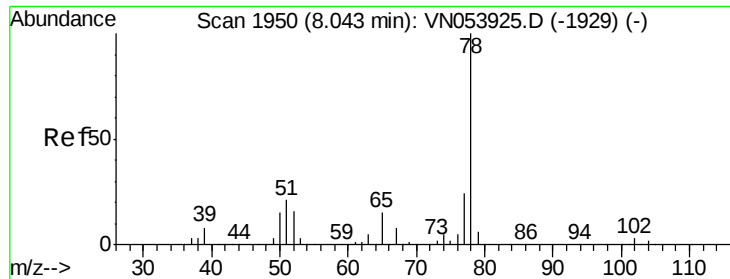
Delta R.T. -0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Tgt Ion:	83	Resp:	12678
Ion	Ratio	Lower	Upper
83	100		
55	83.3	58.2	87.4
98	46.7	37.2	55.8





#40

Benzene

Concen: 1.034 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 32564

Ion Ratio Lower Upper

78 100

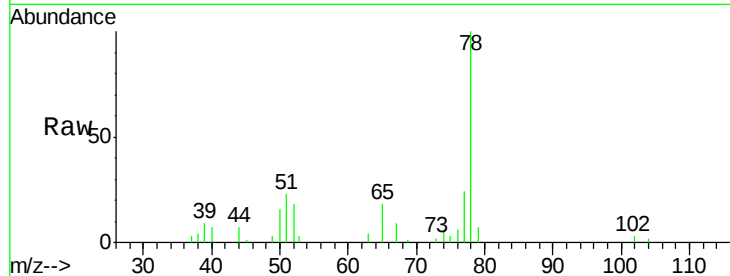
77 24.2 18.8 28.2

Manual Integrations

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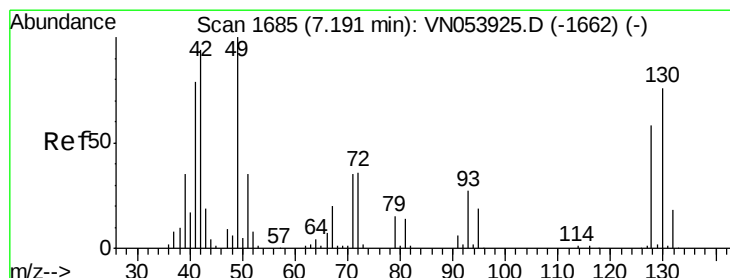
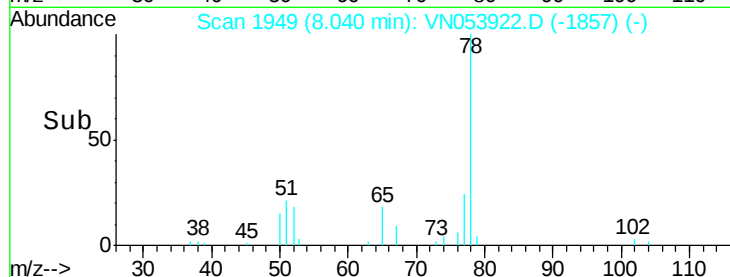
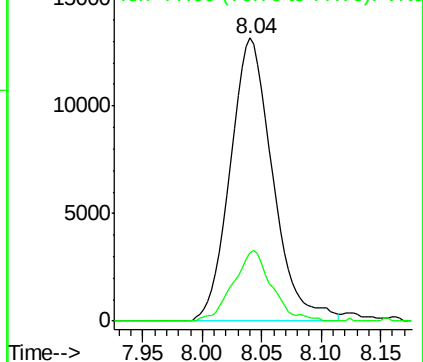
MMDadoda

2/28/2019 10:47:50 AM



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 0.958 ug/l m

RT: 7.20 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Tgt Ion: 41 Resp: 4515

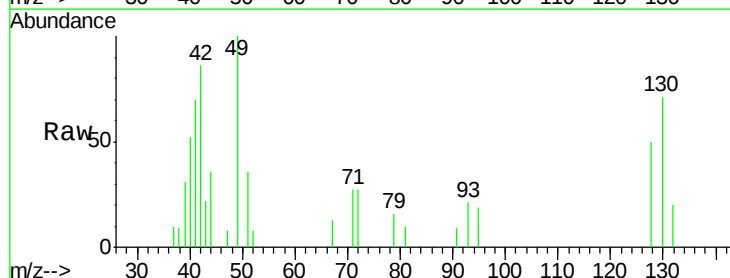
Ion Ratio Lower Upper

41 100

39 41.1 0.0 0.0#

67 57.8 0.0 0.0#

52 22.1 0.0 0.0#

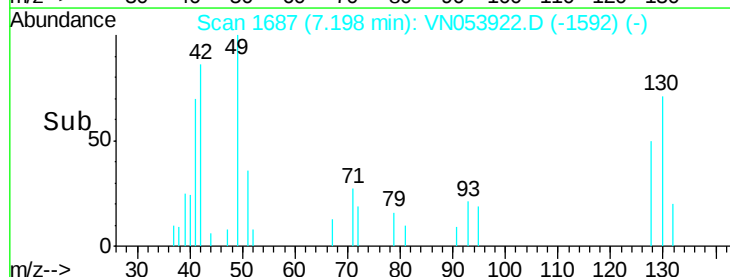
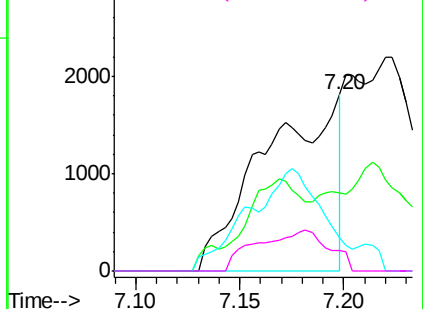


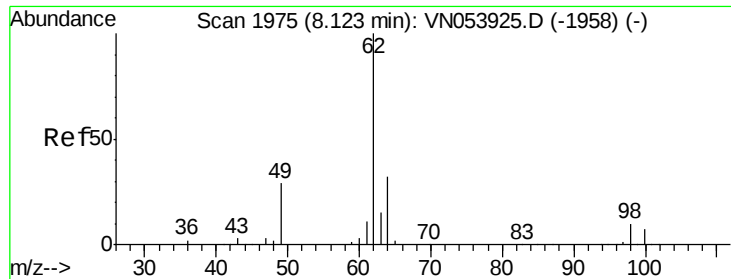
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





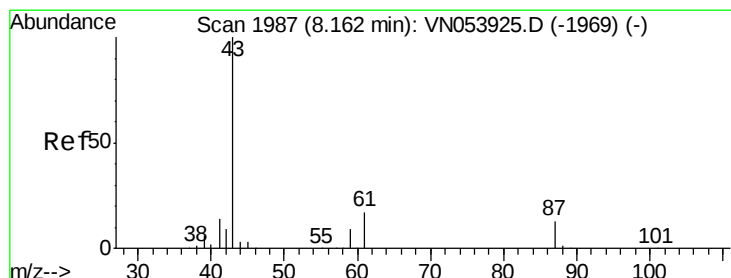
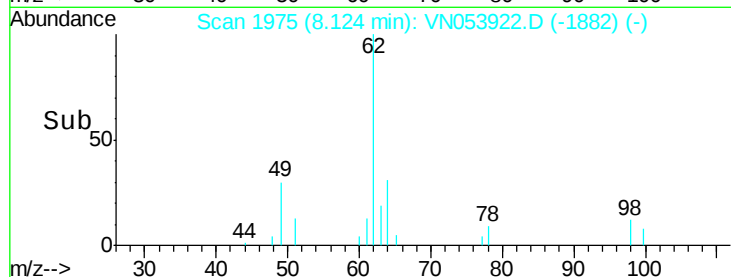
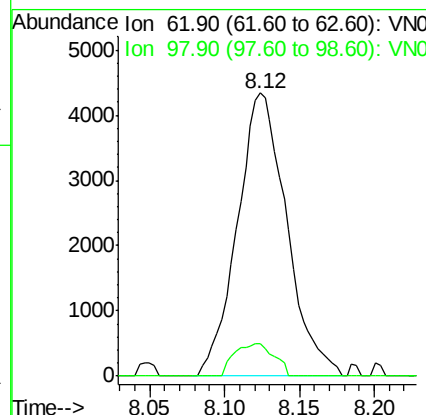
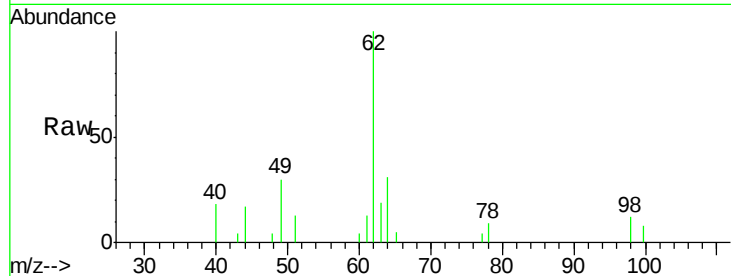
#42
 1,2-Dichloroethane
 Concen: 1.024 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.8

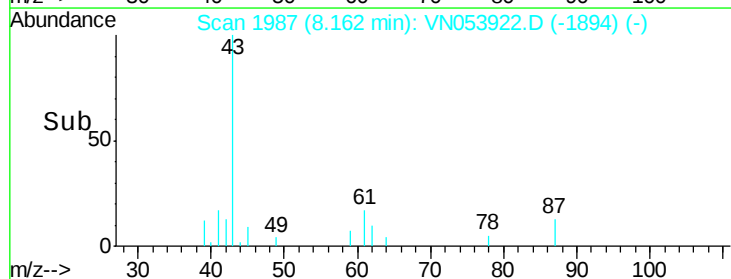
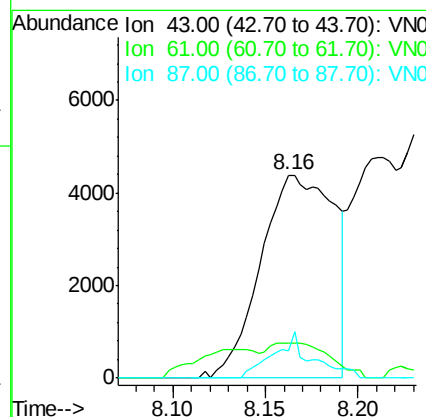
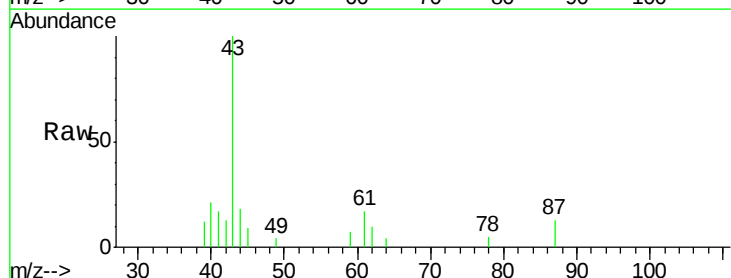
Manual Integrations
 APPROVED

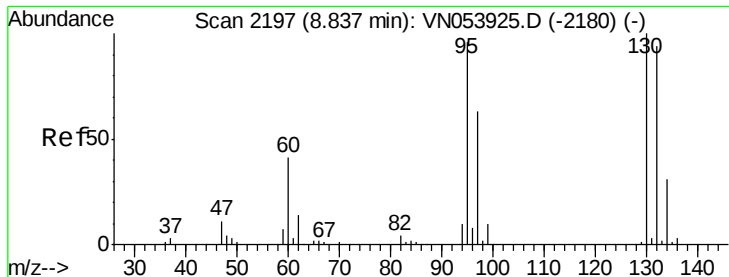
MMDadoda
 2/28/2019 10:47:50 AM



#43
 Isopropyl Acetate
 Concen: 0.976 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.3	17.4	26.0#
87	11.7	11.5	17.3





#44

Trichloroethene

Concen: 1.083 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 9036

Ion Ratio Lower Upper

130 100

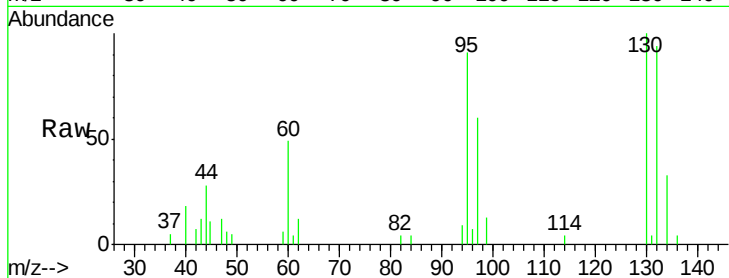
95 91.0 0.0 190.0

Manual Integrations

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MMDadoda

2/28/2019 10:47:50 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

4000

3000

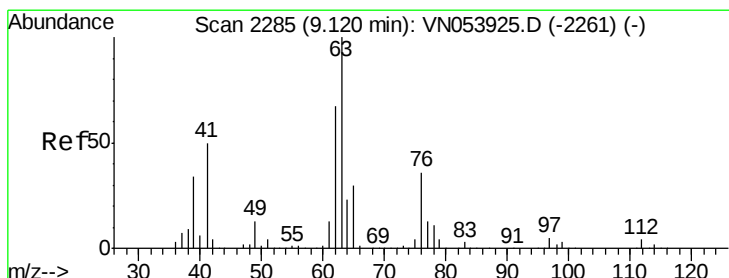
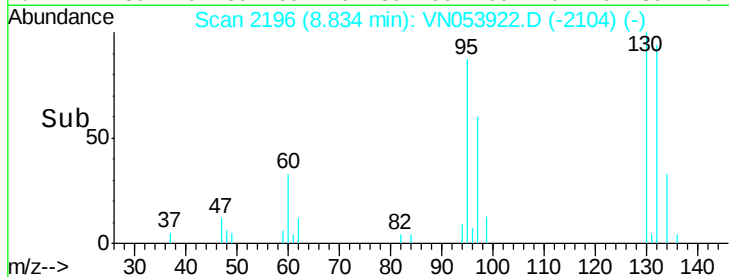
2000

1000

0

8.80 8.85 8.90

Time-->



#45

1,2-Dichloropropane

Concen: 1.061 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053922.D

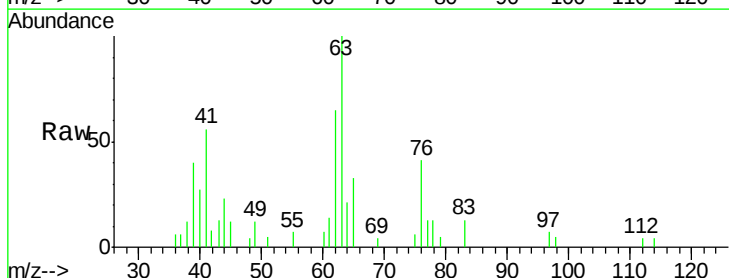
Acq: 25 Feb 2019 11:01

Tgt Ion: 63 Resp: 9013

Ion Ratio Lower Upper

63 100

65 33.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.12

4000

3000

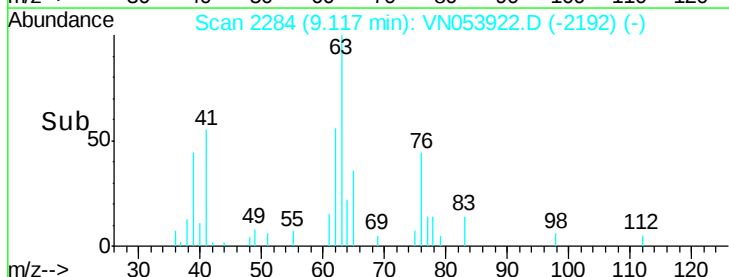
2000

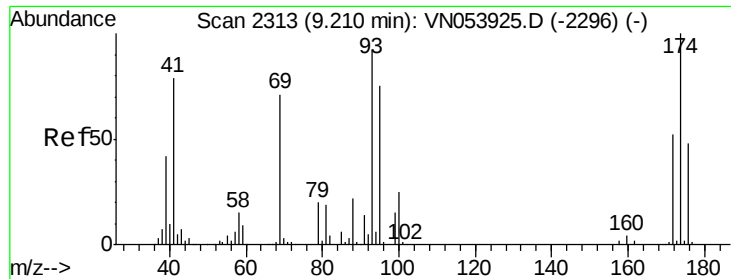
1000

0

9.05 9.10 9.15 9.20

Time-->





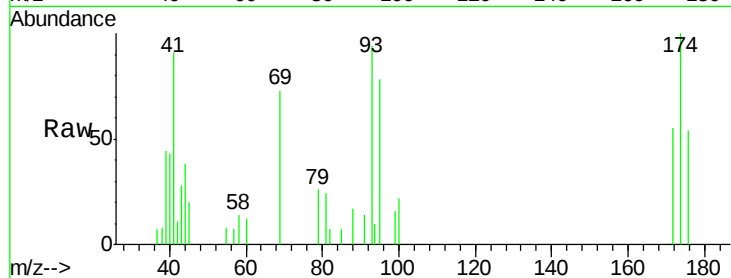
#46
Dibromomethane
Concen: 1.013 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

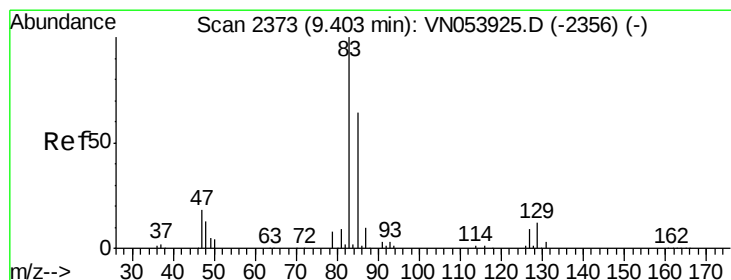
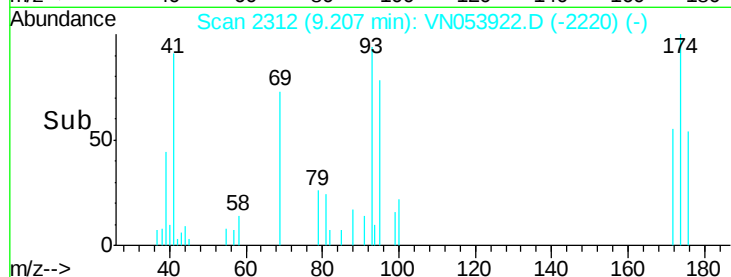
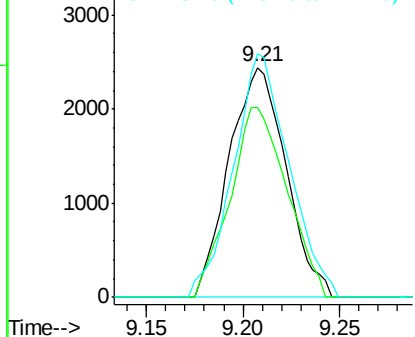
Tot Ion: 93 Resp: 4996
Ion Ratio Lower Upper
93 100
95 82.4 66.6 100.0
174 103.4 96.2 144.4

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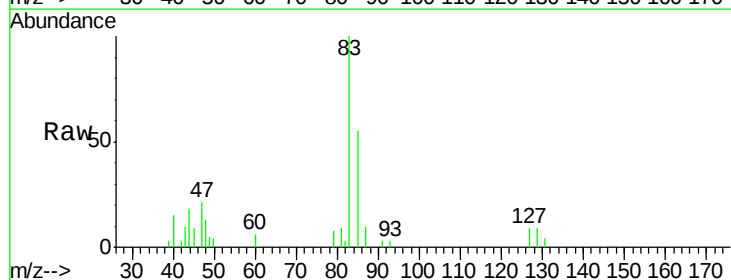


Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

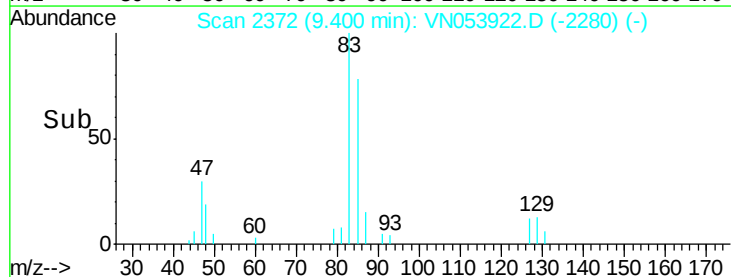
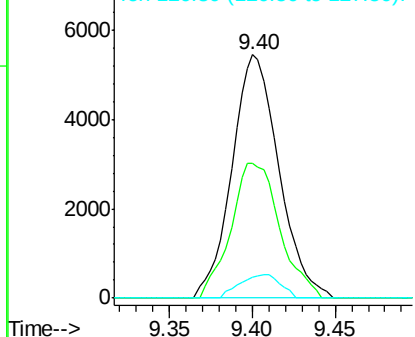


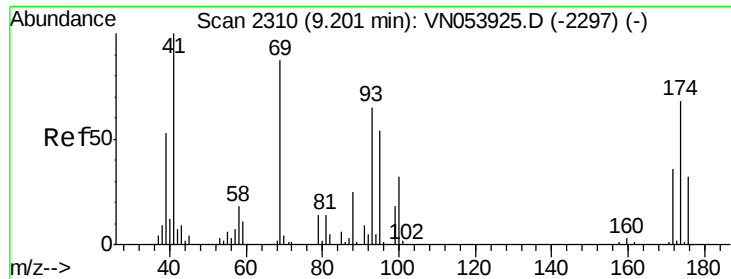
#47
Bromodichloromethane
Concen: 1.033 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion: 83 Resp: 10738
Ion Ratio Lower Upper
83 100
85 55.3 51.8 77.6
127 8.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V





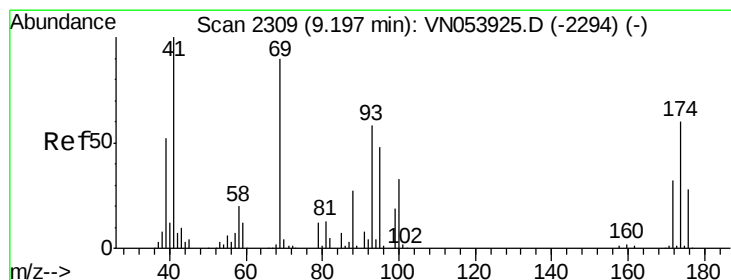
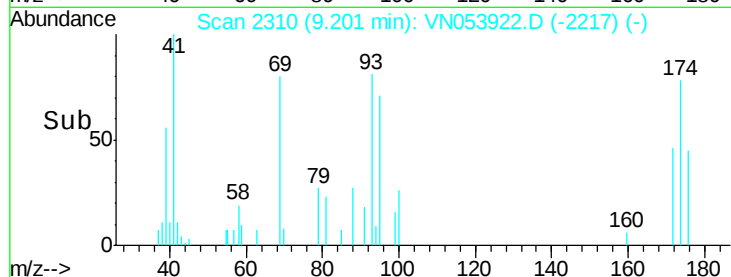
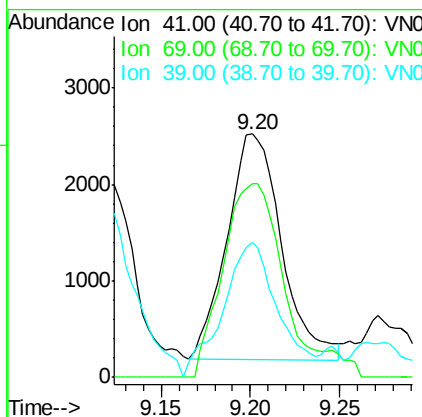
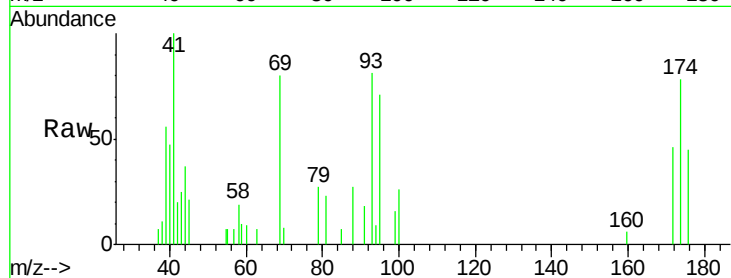
#48
Methvl methacrylate
Concen: 0.878 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	97.6	74.8	112.2
39	60.2	39.0	58.6

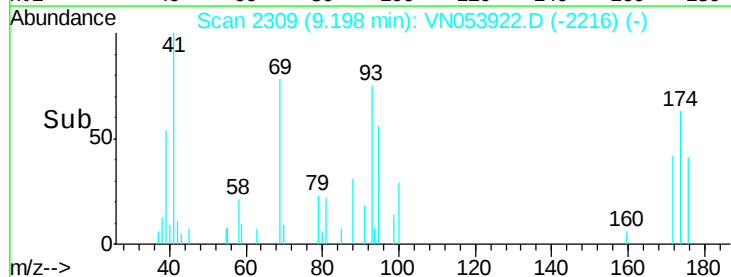
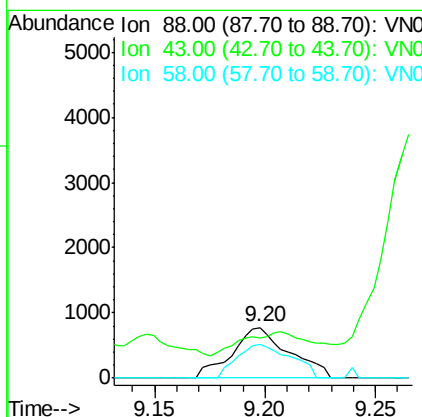
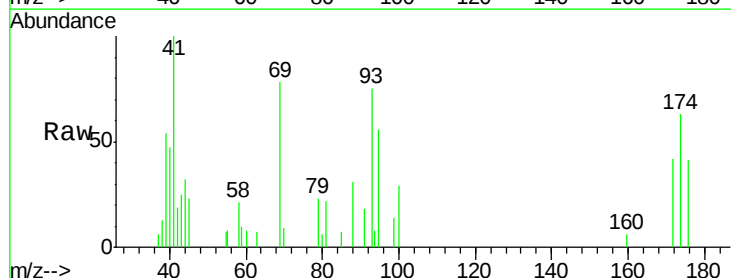
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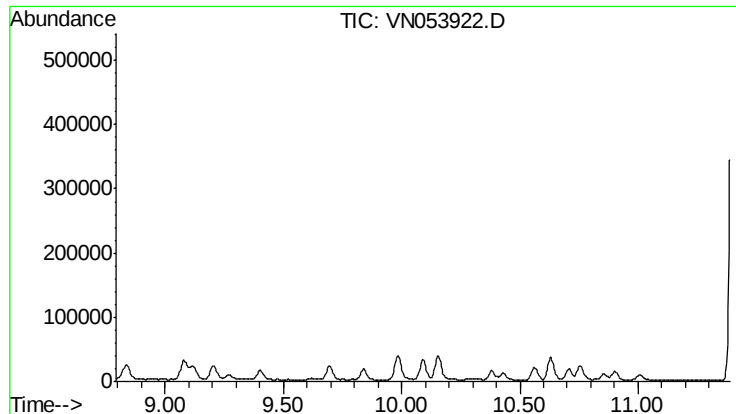
MMDadoda
2/28/2019 10:47:50 AM



#49
1,4-Dioxane
Concen: 18.031 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	56.8	21.2	31.8
58	63.0	54.2	81.2





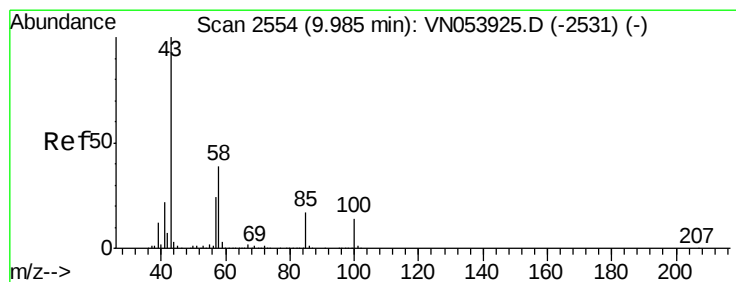
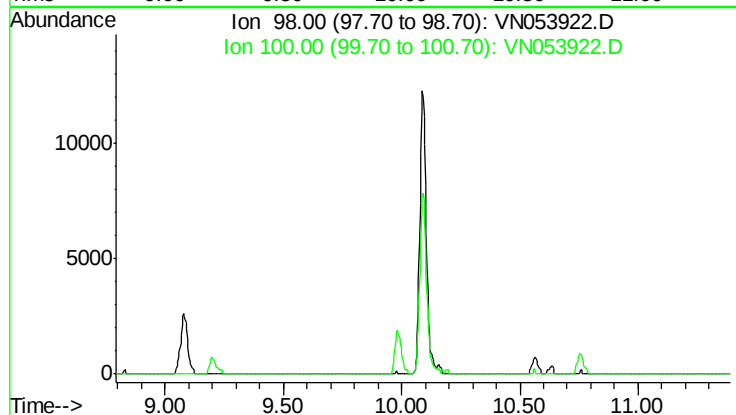
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.9

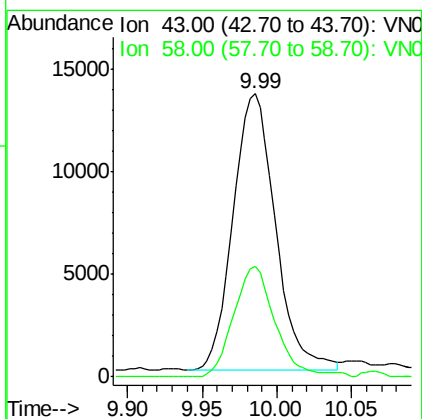
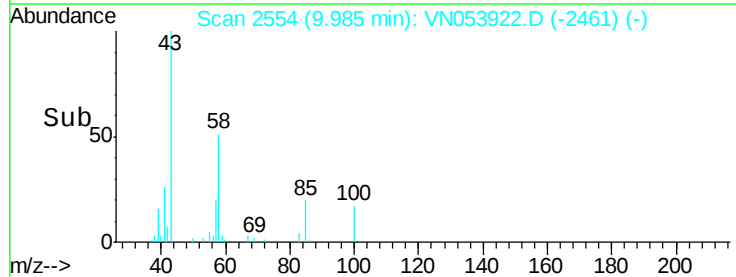
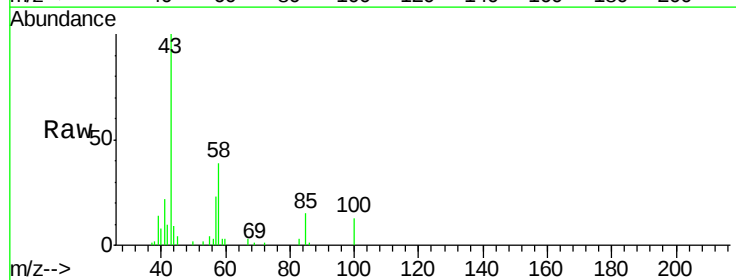
Manual Integrations
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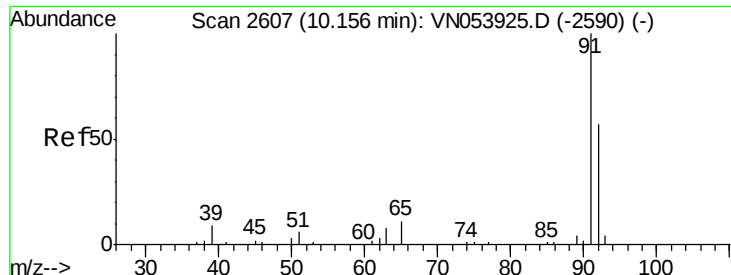
MMDadoda
2/28/2019 10:47:50 AM



#51
4-Methyl-2-Pentanone
Concen: 4.206 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion: 43 Resp: 26703
Ion Ratio Lower Upper
43 100
58 39.1 32.7 49.1





#52

Toluene

Concen: 0.967 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 17923

Ion Ratio Lower Upper

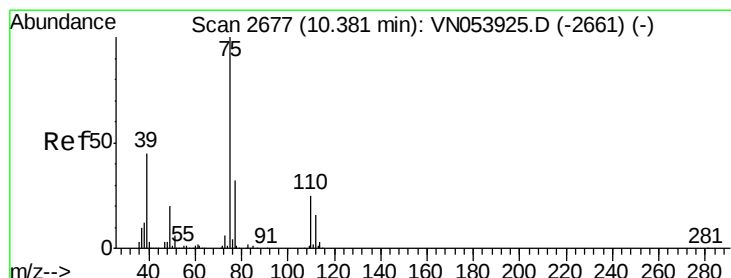
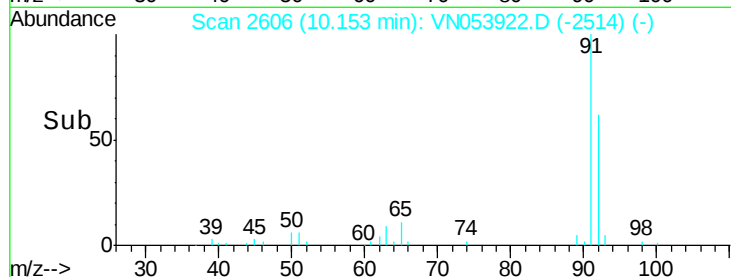
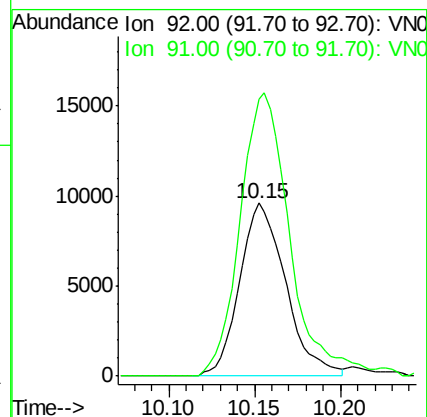
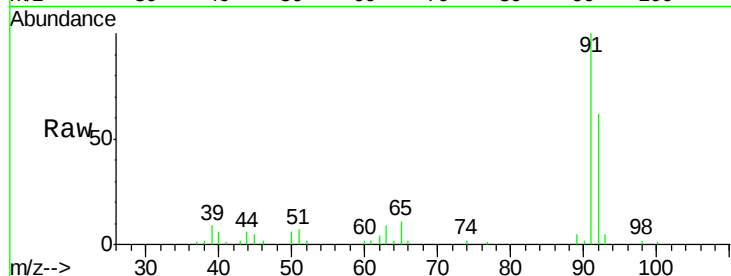
92 100

91 176.2 138.4 207.6

Manual Integrations
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MMDadoda

2/28/2019 10:47:50 AM



#53

t-1,3-Dichloropropene

Concen: 0.859 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053922.D

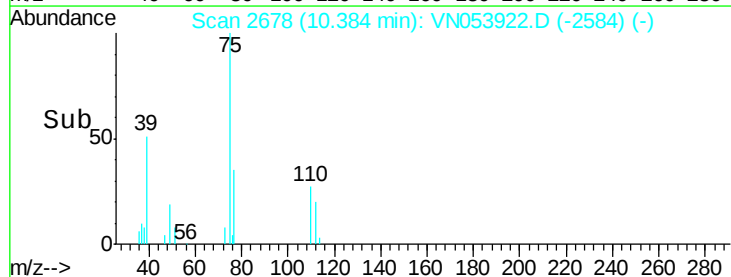
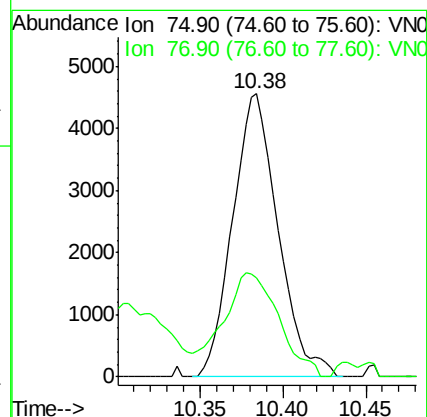
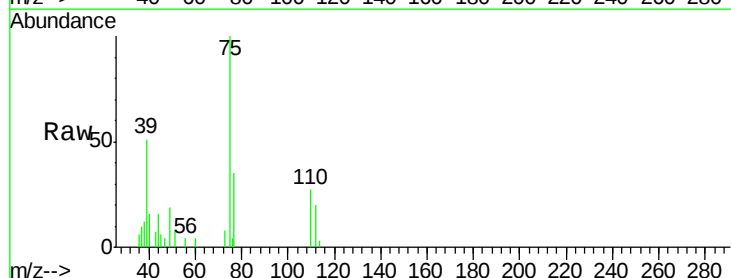
Acq: 25 Feb 2019 11:01

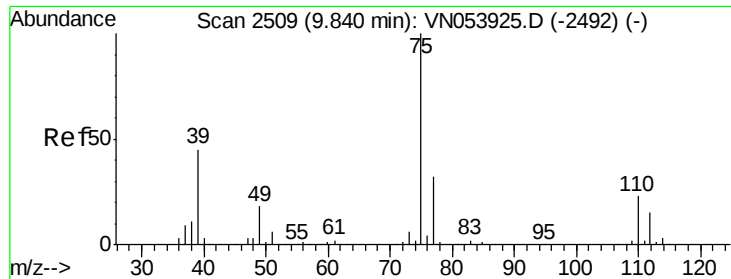
Tgt Ion: 75 Resp: 8688

Ion Ratio Lower Upper

75 100

77 29.8 25.0 37.6





#54

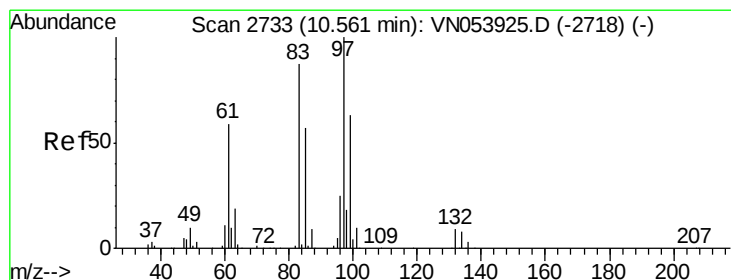
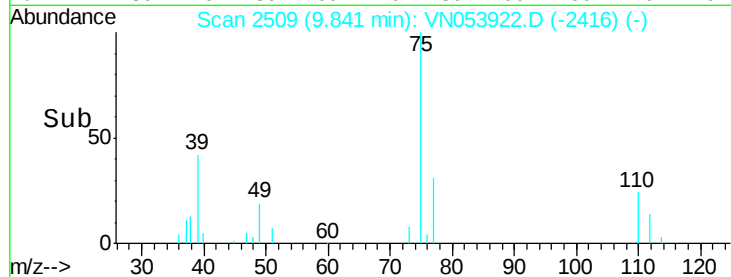
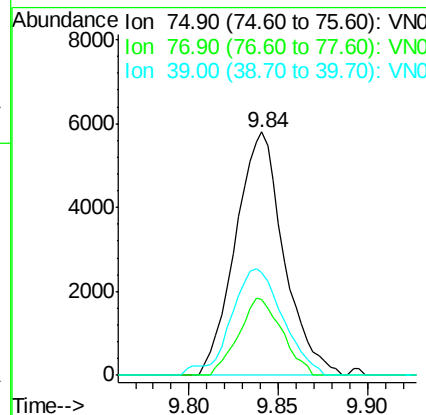
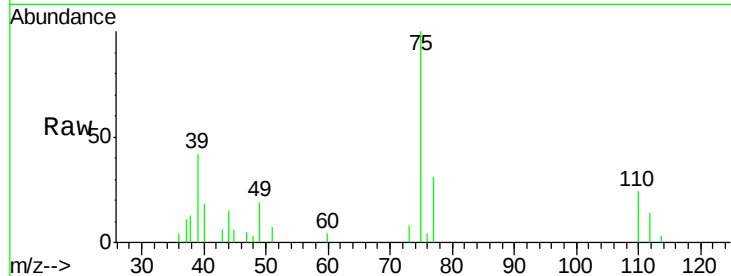
cis-1,3-Dichloropropene
 Concen: 0.920 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	75	Resp:	10966
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.8	38.6
39	42.3	31.4	47.0

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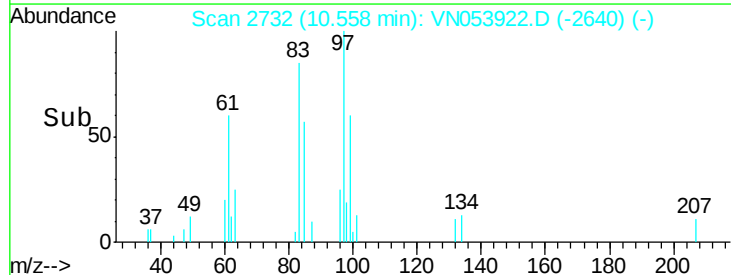
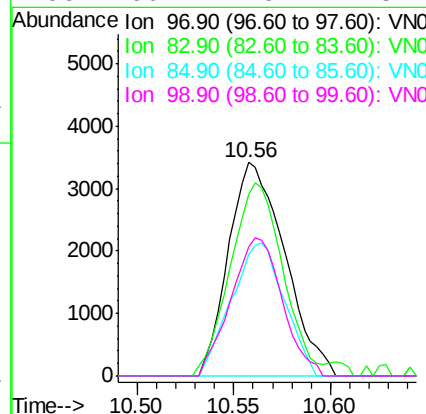
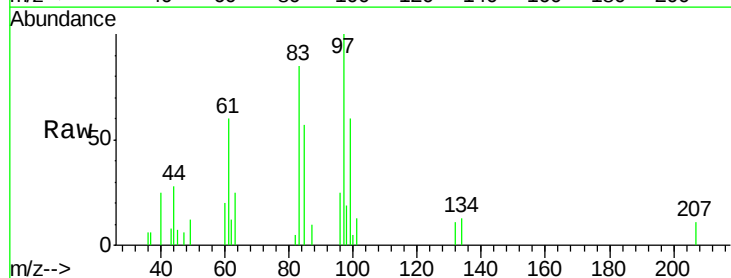
MMDadoda
 2/28/2019 10:47:50 AM

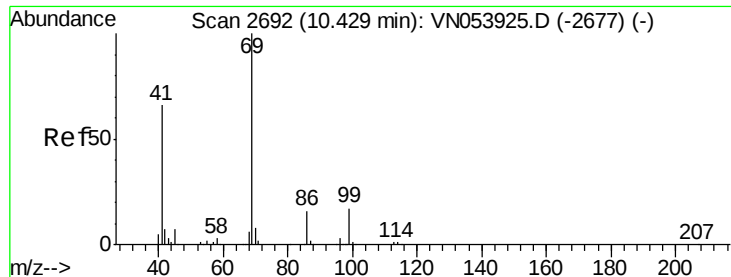


#55

1,1,2-Trichloroethane
 Concen: 1.000 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Tgt Ion:	97	Resp:	6922
Ion Ratio	Lower	Upper	
97	100		
83	85.4	69.5	104.3
85	56.8	45.9	68.9
99	60.4	49.1	73.7





#56

Ethyl methacrylate

Concen: 0.772 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

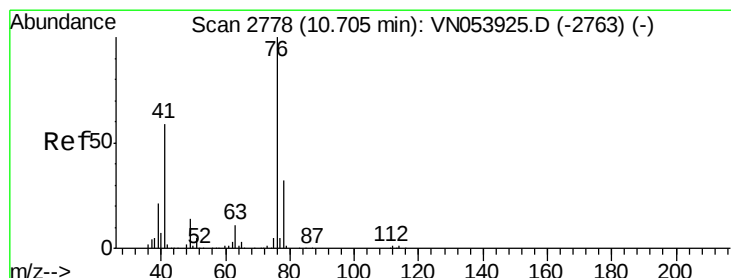
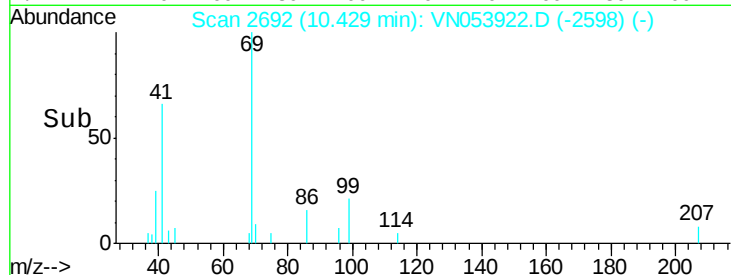
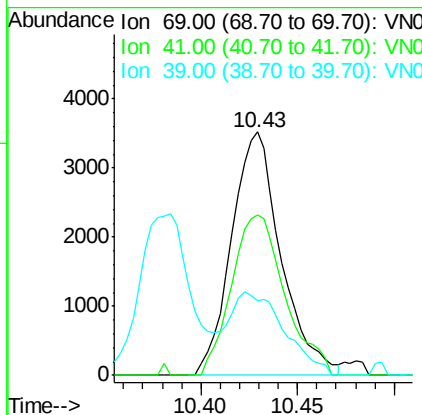
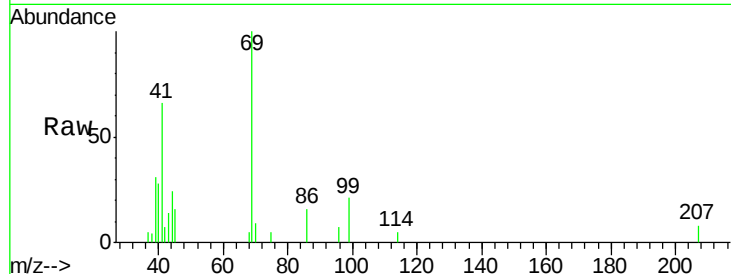
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	6257
Ion	Ratio	Lower	Upper
69	100		
41	71.3	47.5	71.3#
39	39.4	23.4	35.0#

Manual Integrations
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MMDadoda
2/28/2019 10:47:50 AM



#57

1,3-Dichloropropane

Concen: 0.971 ug/l

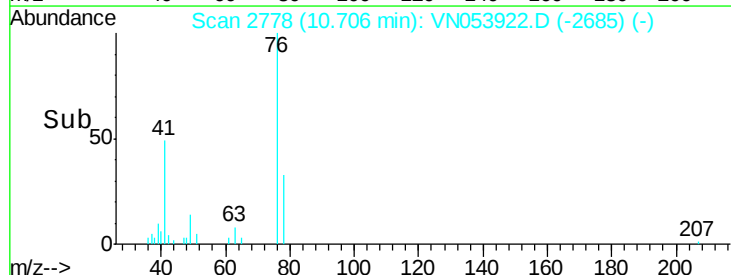
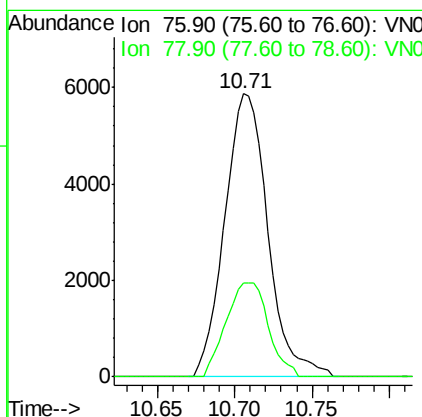
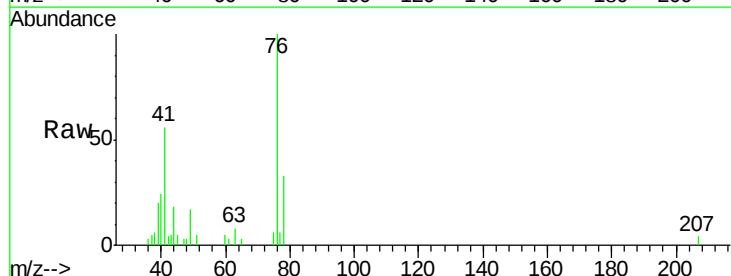
RT: 10.71 min Scan# 2778

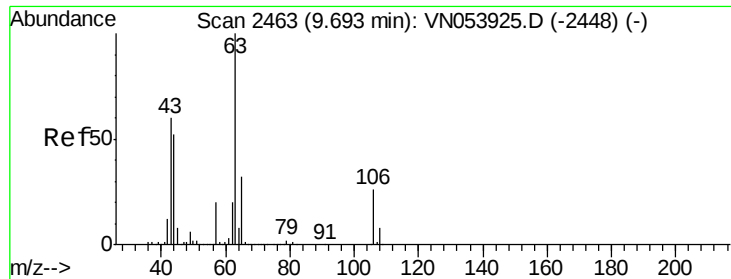
Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Tgt Ion:	76	Resp:	11365
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.2	37.8





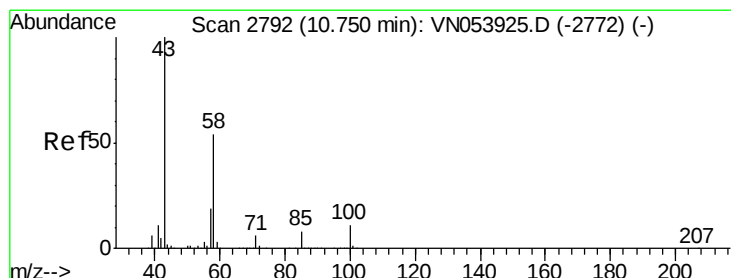
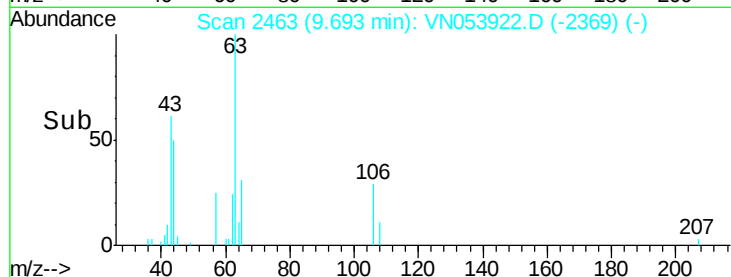
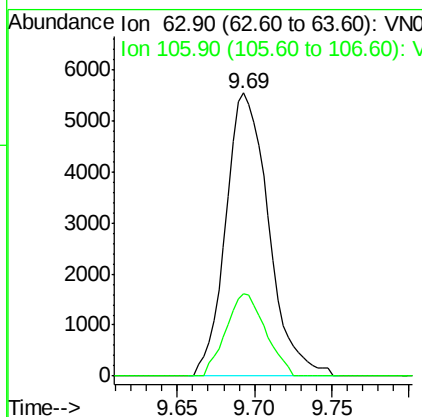
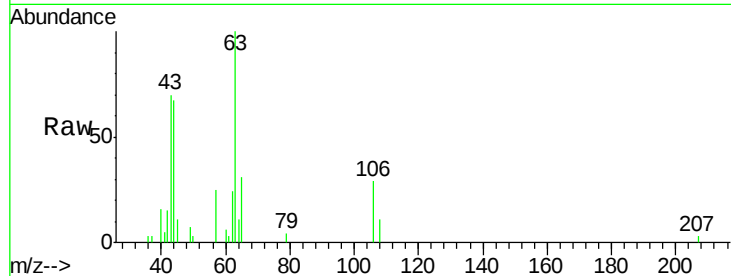
#58
 2-Chloroethyl Vinyl ether
 Concen: 2.990 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 10695
 Ion Ratio Lower Upper
 63 100
 106 26.8 22.2 33.2

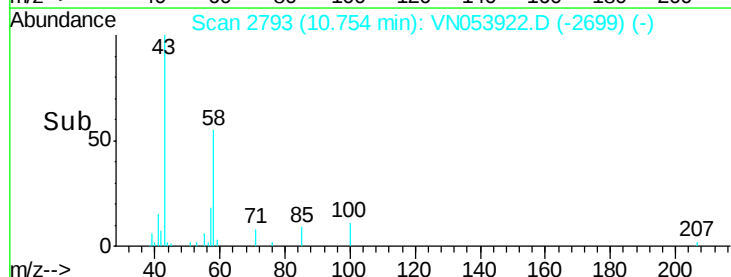
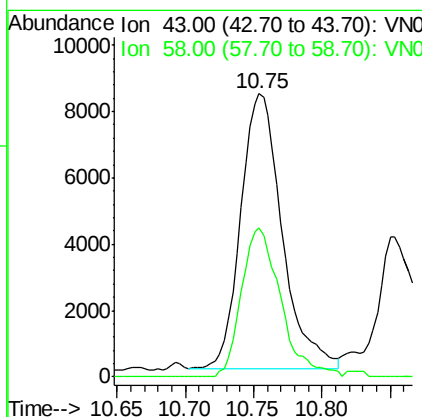
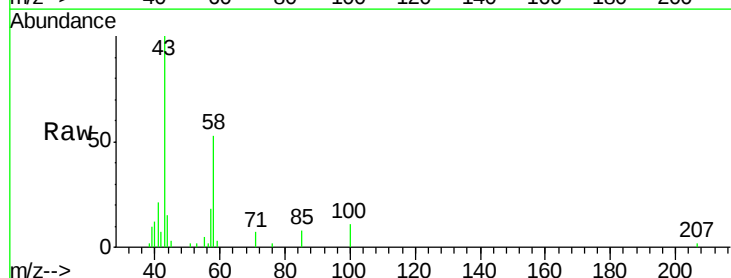
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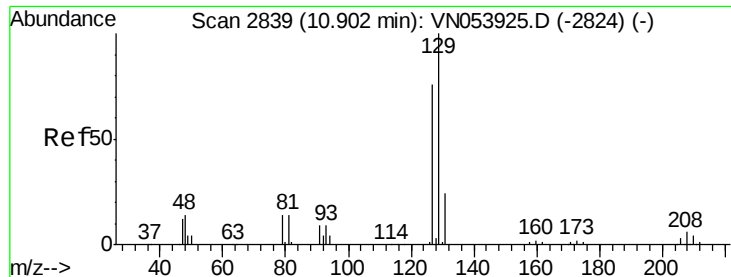
MMDadoda
 2/28/2019 10:47:50 AM



#59
 2-Hexanone
 Concen: 4.232 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Tgt Ion: 43 Resp: 17476
 Ion Ratio Lower Upper
 43 100
 58 51.3 29.1 87.4





#60

Dibromochloromethane

Concen: 1.023 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 7868

Ion Ratio Lower Upper

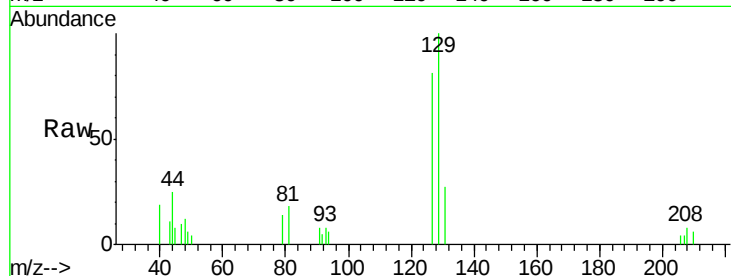
129 100

127 75.4 38.8 116.3

Manual Integrations
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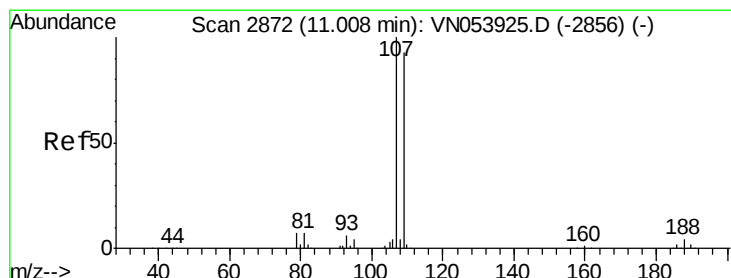
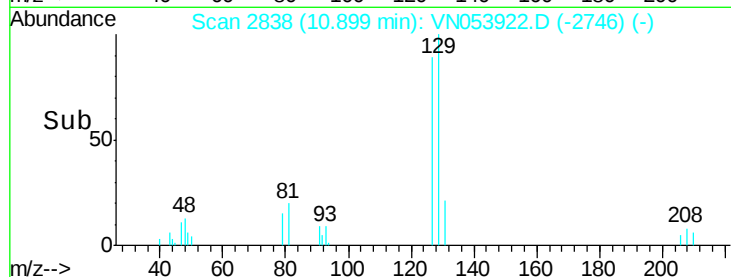
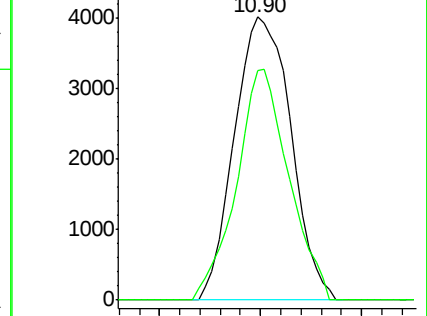
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.989 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053922.D

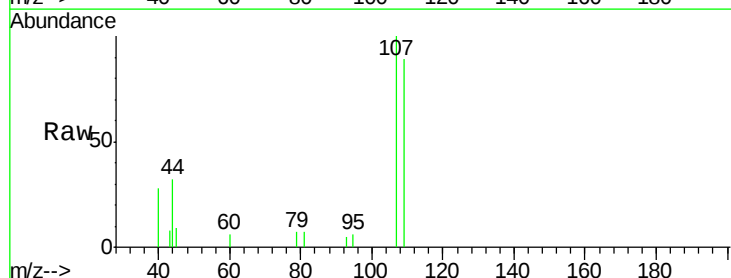
Acq: 25 Feb 2019 11:01

Tgt Ion:107 Resp: 6604

Ion Ratio Lower Upper

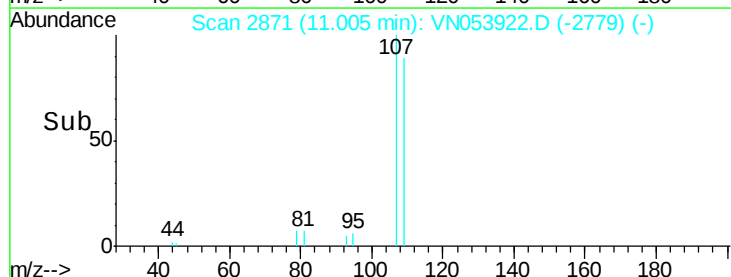
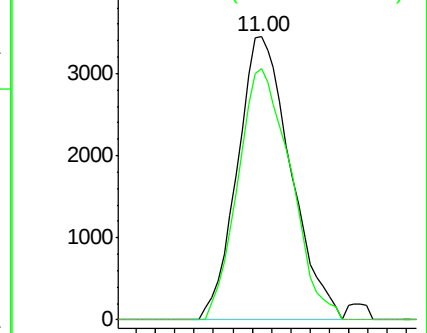
107 100

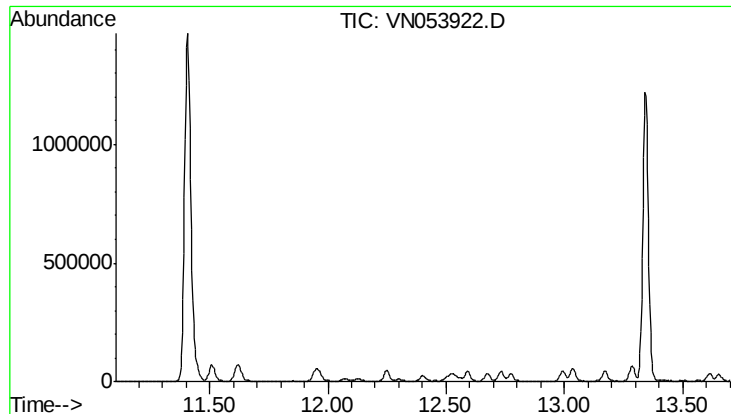
109 87.9 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Tot Ion: 95

Sig Exp Ratio

95 100

174 94.4

176 91.3

Instrument :

MSVOA_N

ClientSampleId :

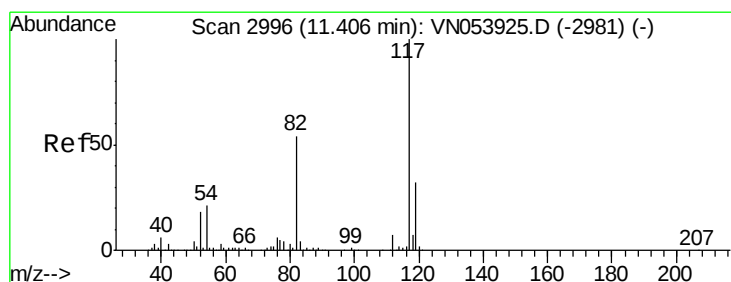
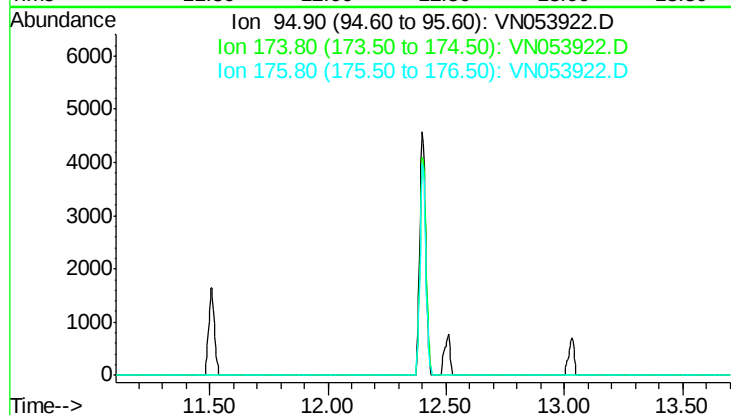
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

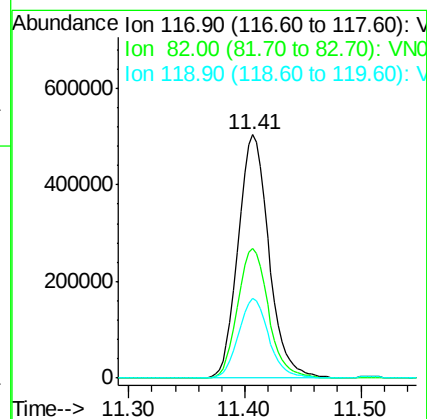
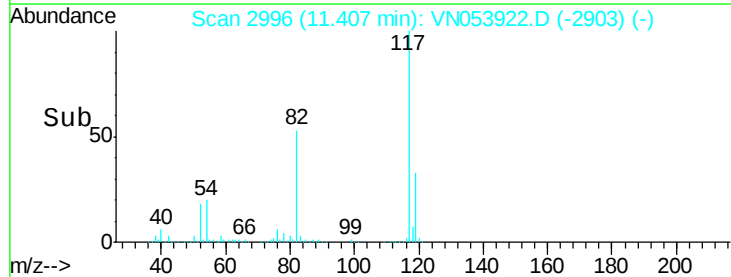
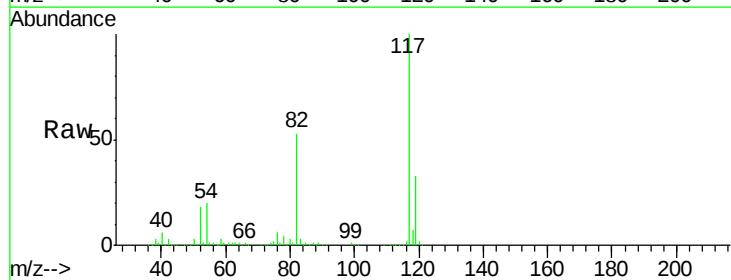
Tgt Ion: 117 Resp: 923985

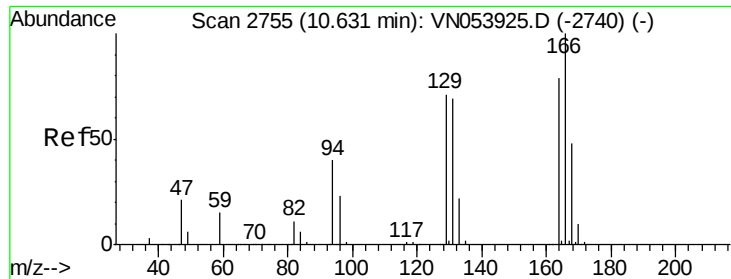
Ion Ratio Lower Upper

117 100

82 53.4 41.4 62.2

119 32.7 25.3 37.9





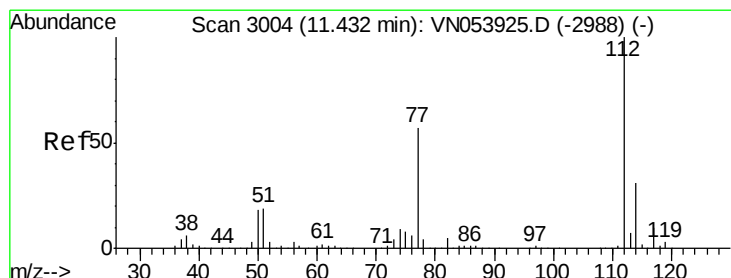
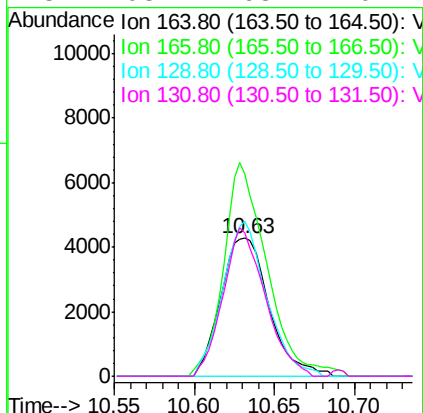
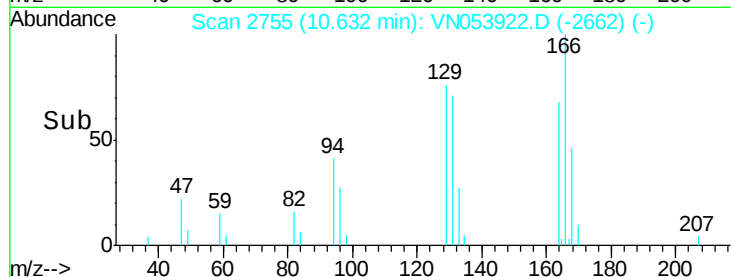
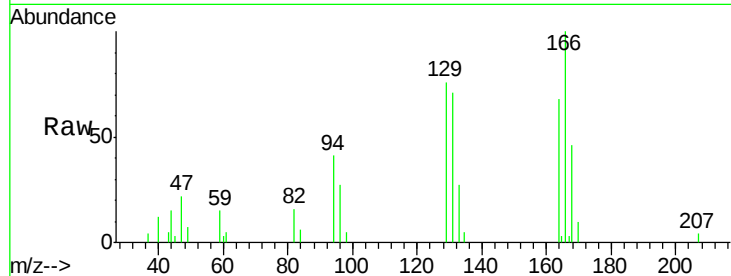
#64
Tetrachloroethene
Concen: 1.132 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	146.4	102.6	153.8
129	112.0	69.4	104.0
131	103.7	68.1	102.1

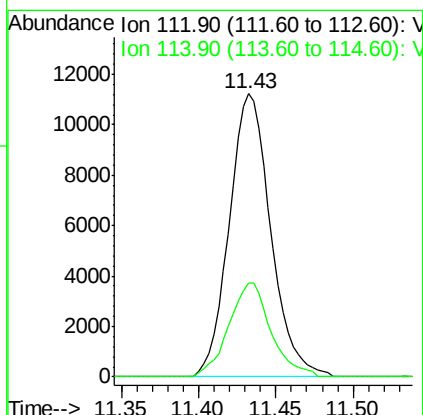
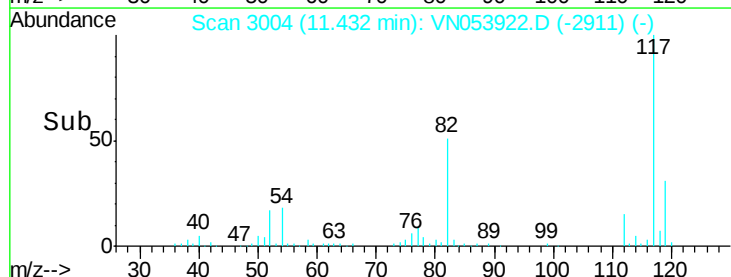
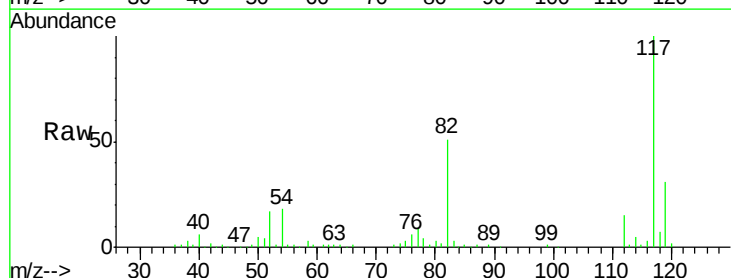
Manual Integrations
APPROVED

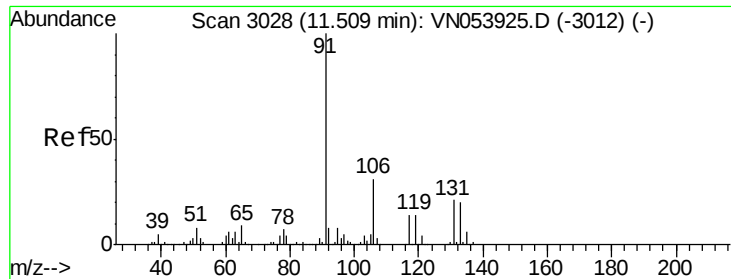
MMDadoda
2/28/2019 10:47:50 AM



#65
Chlorobenzene
Concen: 1.071 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.7	38.5





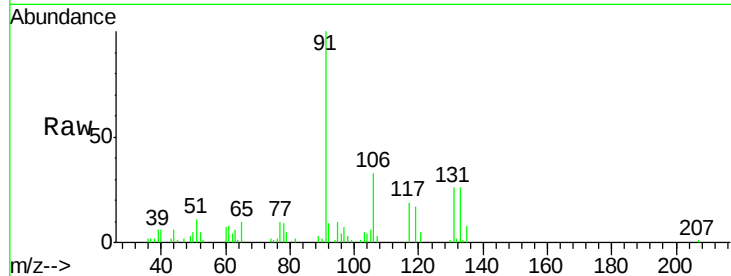
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.039 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

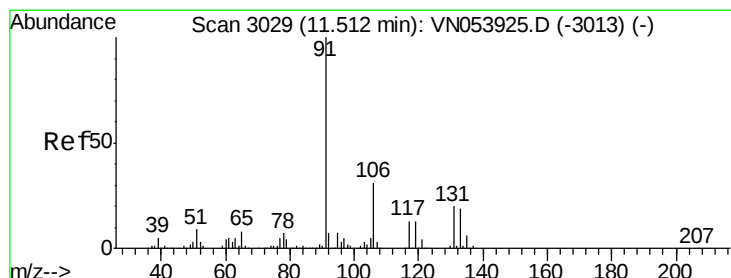
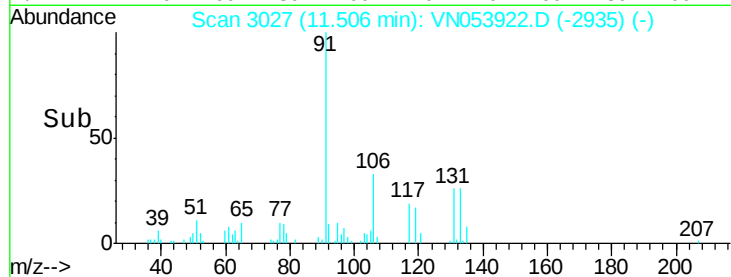
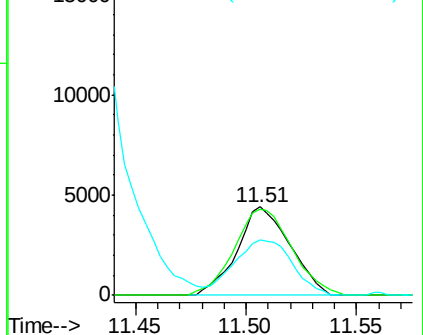
Tot Ion	Ratio	Lower	Upper
131	100		
133	106.9	47.7	143.1
119	0.0	33.1	99.3#

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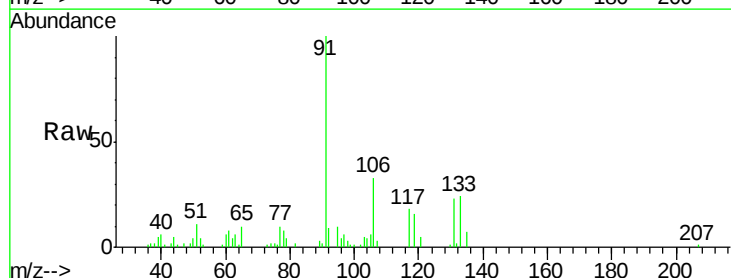


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

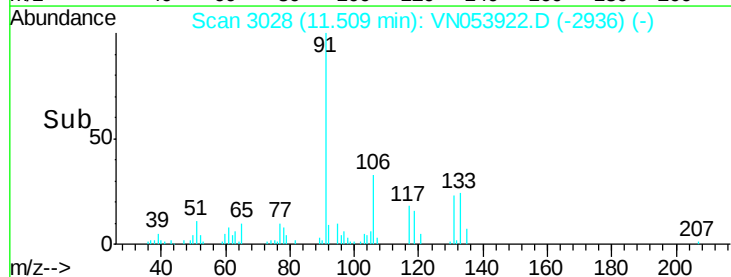
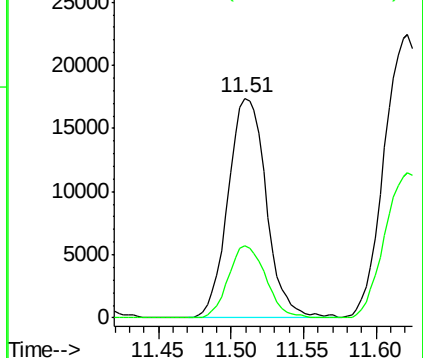


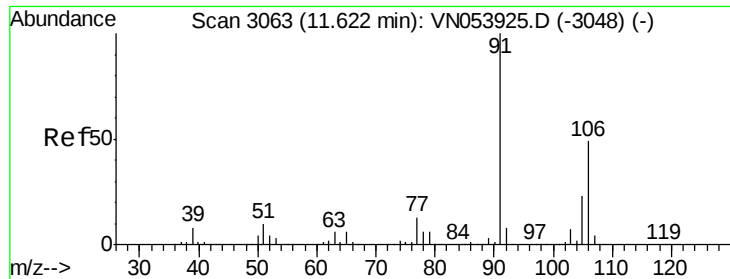
#67
 Ethyl Benzene
 Concen: 0.974 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.2	37.8



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 106.00 (105.70 to 106.70): V





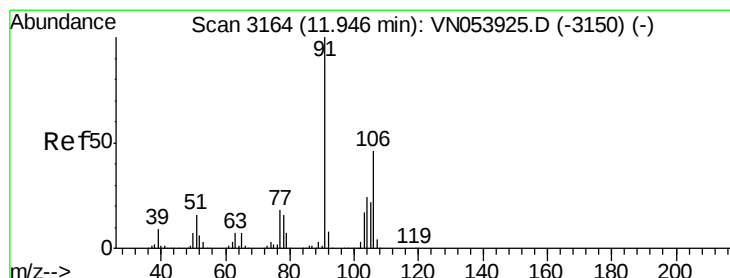
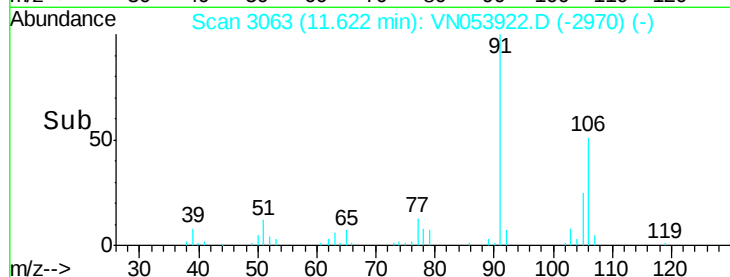
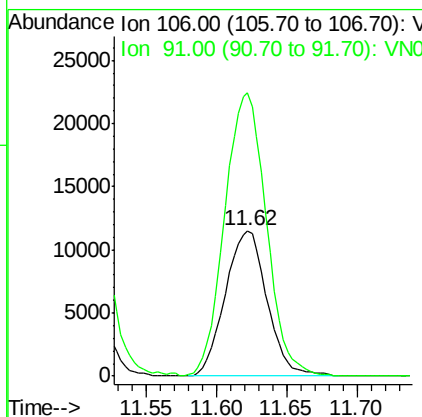
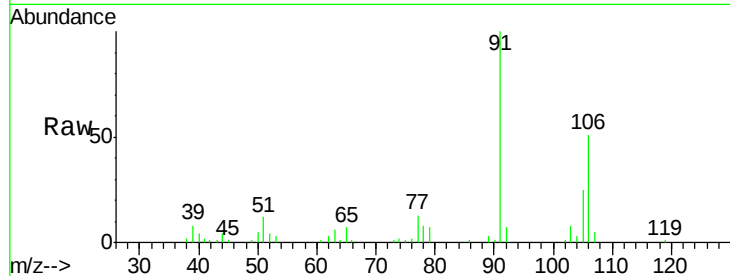
#68
m/p-Xvlenes
Concen: 1.926 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 23769
Ion Ratio Lower Upper
106 100
91 194.5 158.9 238.3

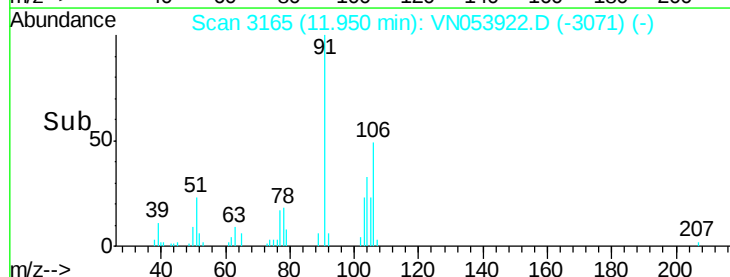
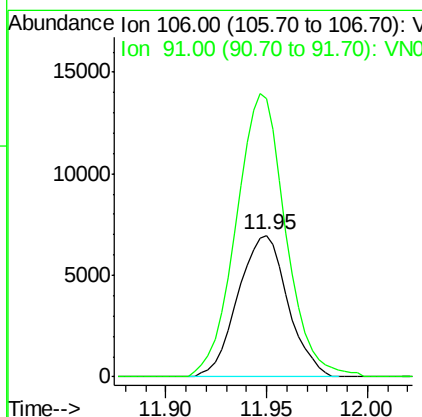
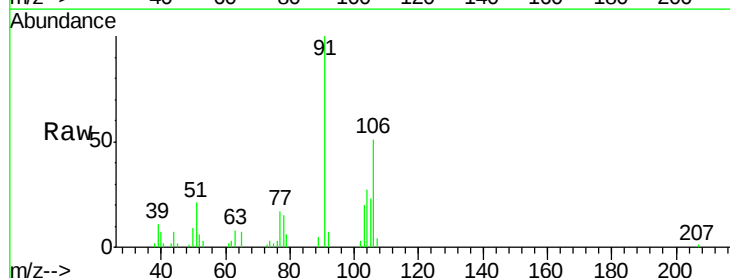
Manual Integrations
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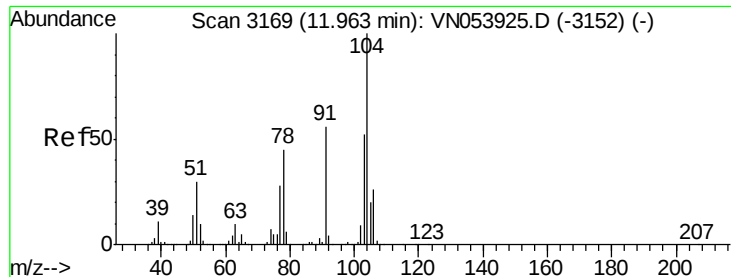
MMDadoda
2/28/2019 10:47:50 AM



#69
o-Xylene
Concen: 0.993 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion:106 Resp: 12040
Ion Ratio Lower Upper
106 100
91 199.4 106.0 318.0





#70

Stvrene

Concen: 0.818 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

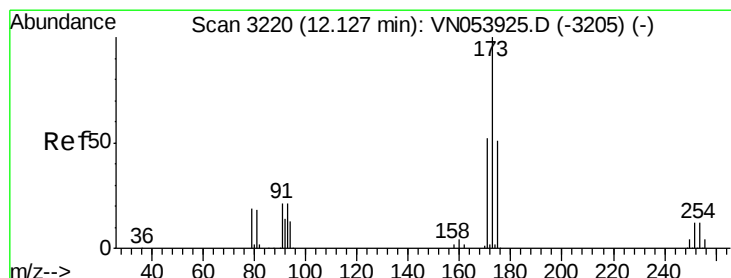
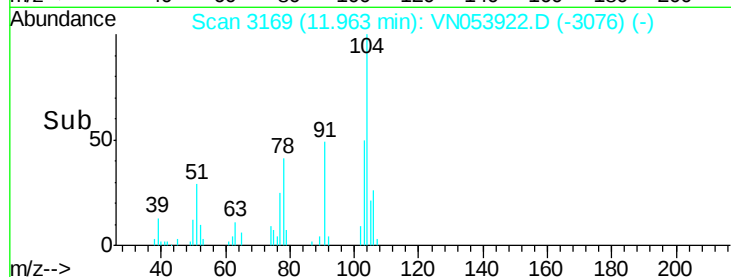
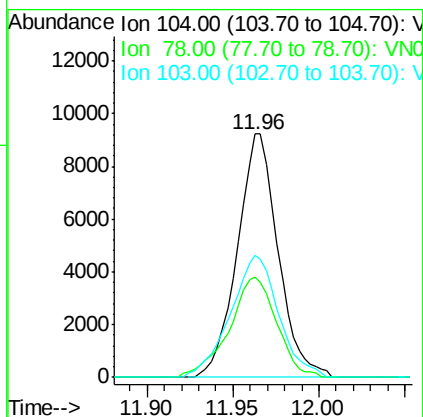
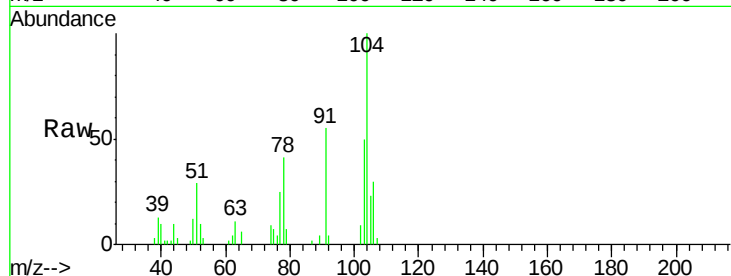
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	15251
Ion Ratio	Lower	Upper	
104	100		
78	47.8	38.1	57.1
103	59.1	44.6	67.0

Manual Integrations
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2/28/2019 10:47:50 AM



#71

Bromoform

Concen: 0.940 ug/l

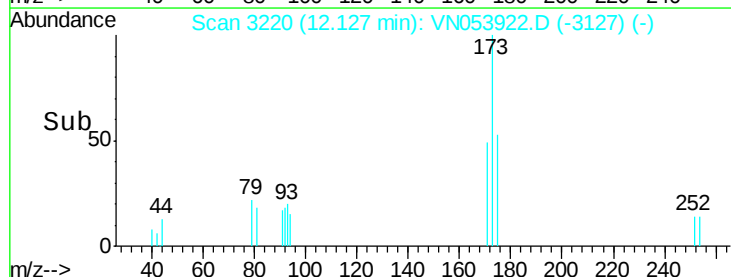
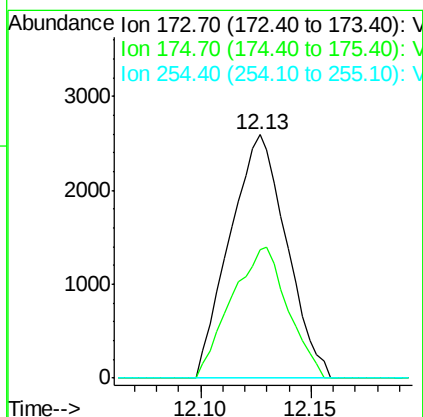
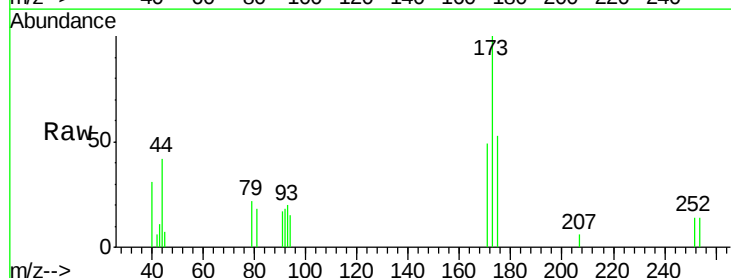
RT: 12.13 min Scan# 3220

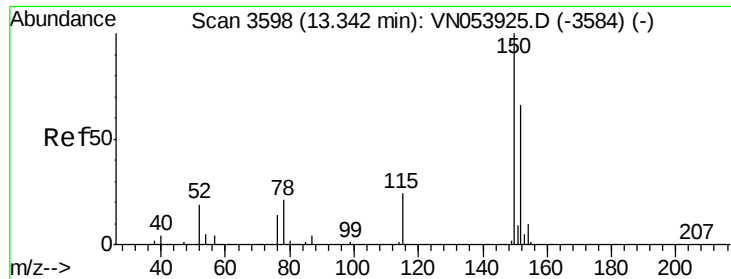
Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Tgt Ion:	173	Resp:	4594
Ion Ratio	Lower	Upper	
173	100		
175	53.7	24.3	72.8
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

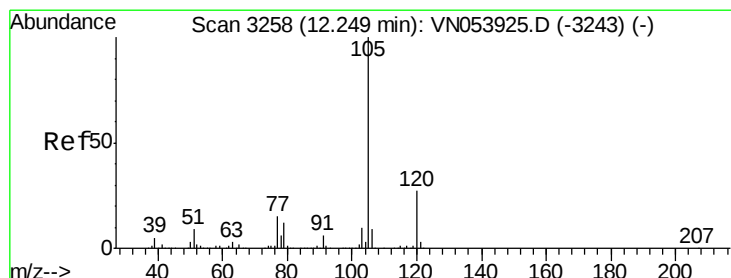
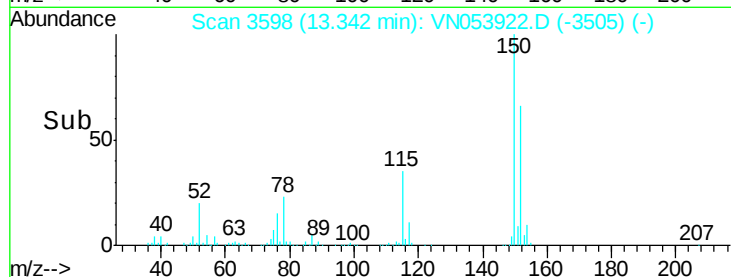
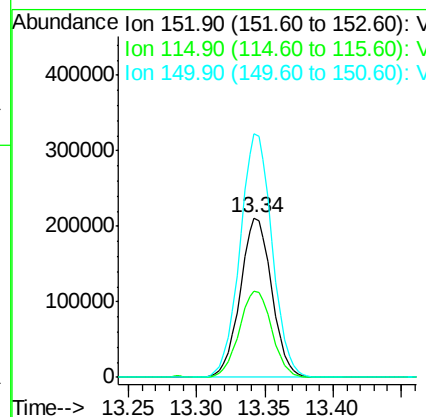
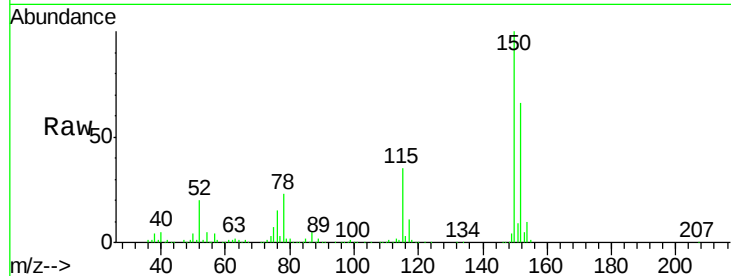
ClientSampled :

VSTDIC001

Tot Ion:	152	Resp:	338253
Ion Ratio	Lower	Upper	
152	100		
115	55.6	27.2	81.6
150	155.3	0.0	348.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.109 ug/l

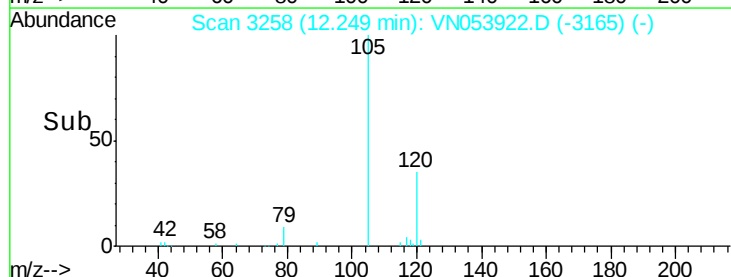
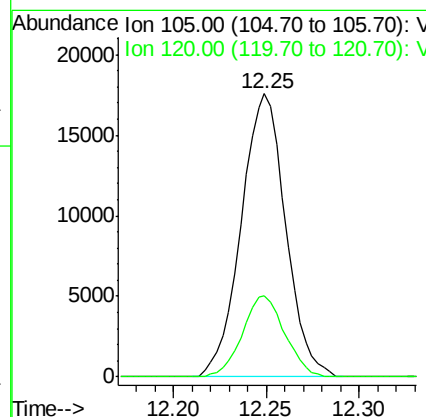
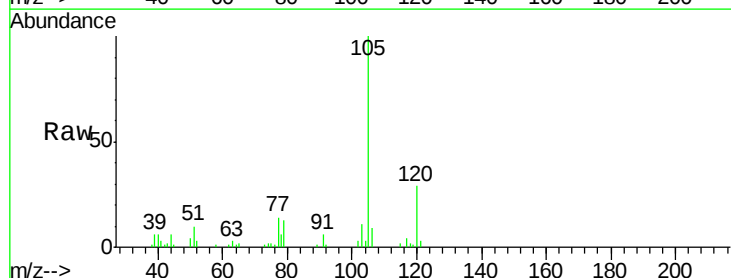
RT: 12.25 min Scan# 3258

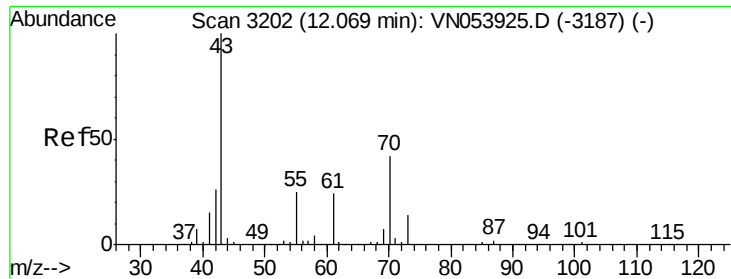
Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Tgt Ion:	105	Resp:	29209
Ion Ratio	Lower	Upper	
105	100		
120	27.2	13.5	40.5





#74

N-amvl acetate

Concen: 0.870 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

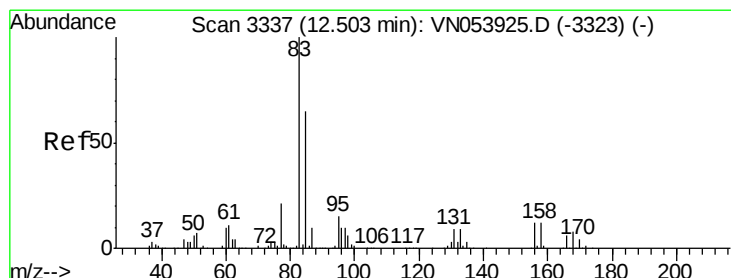
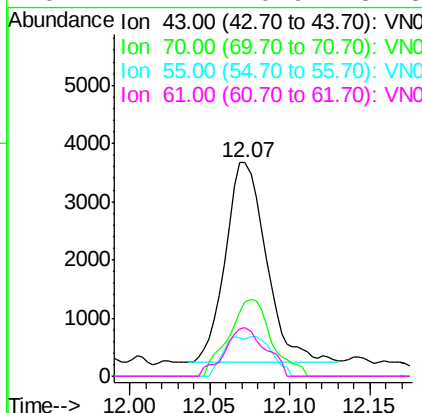
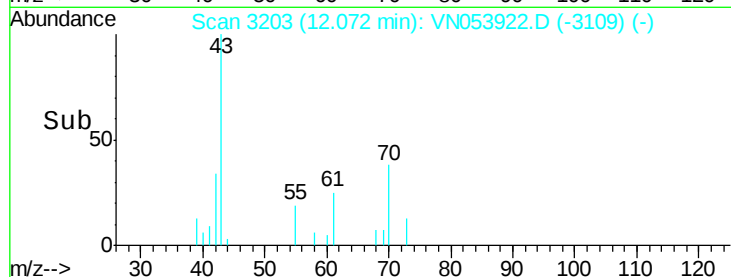
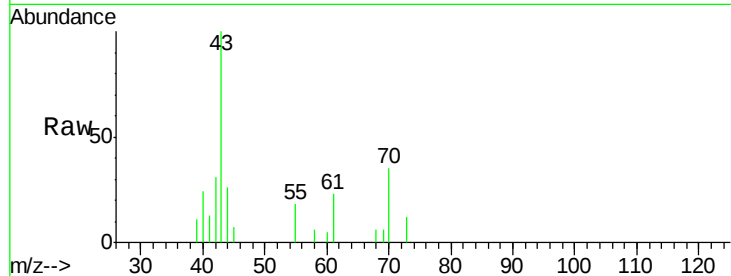
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	6004
Ion	Ratio	Lower	Upper
43	100		
70	39.9	37.4	56.2
55	11.3	21.4	32.0
61	24.1	20.9	31.3

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.151 ug/l

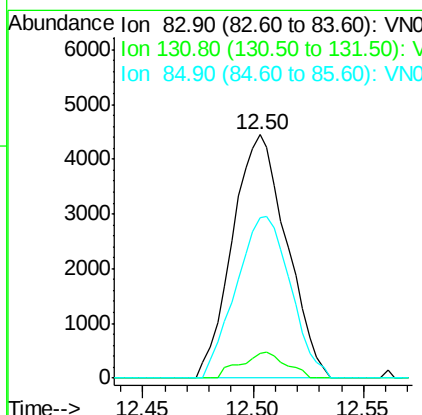
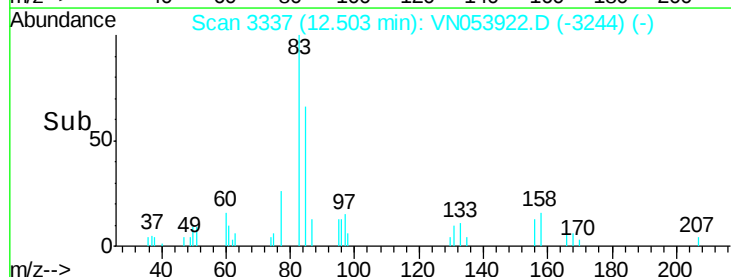
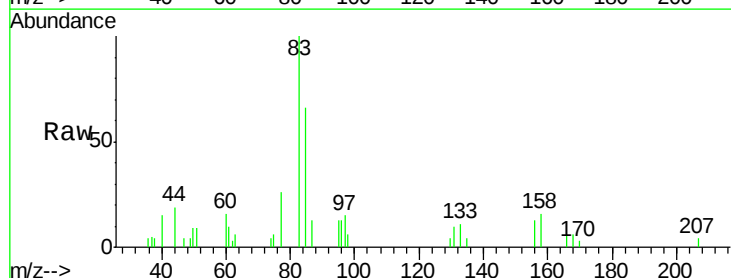
RT: 12.50 min Scan# 3337

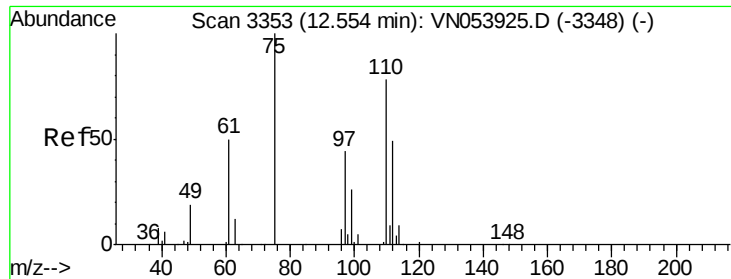
Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Tgt Ion:	83	Resp:	7579
Ion	Ratio	Lower	Upper
83	100		
131	8.8	5.3	16.1
85	66.5	31.9	95.9





#76

1,2,3-Trichloropropane

Concen: 1.221 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 6624

Ion Ratio Lower Upper

75 100

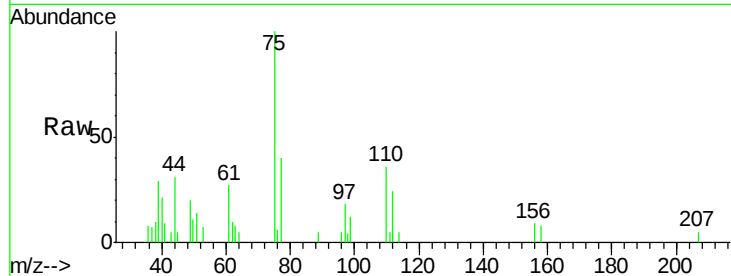
77 0.0 0.0 0.0

Manual Integrations

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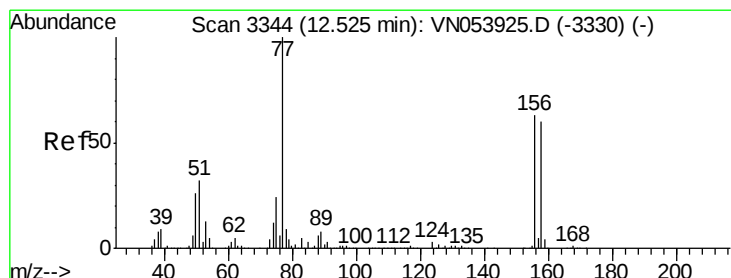
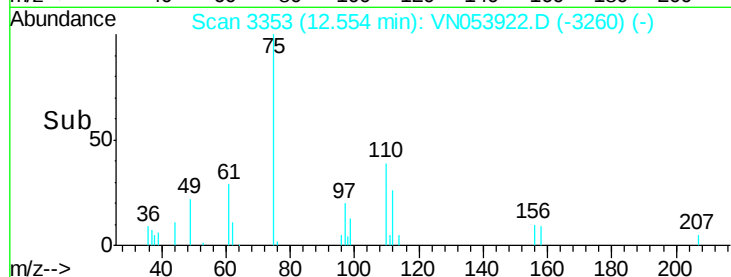
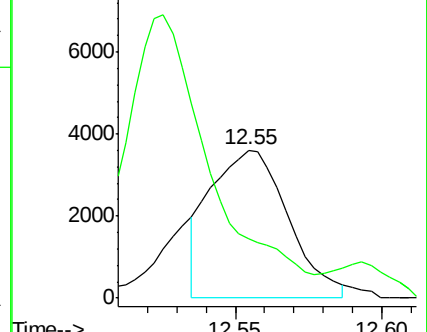
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Abundance Ion 74.90 (74.60 to 75.60): VN053922.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053922.D (-3348) (-)



#77

Bromobenzene

Concen: 1.112 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

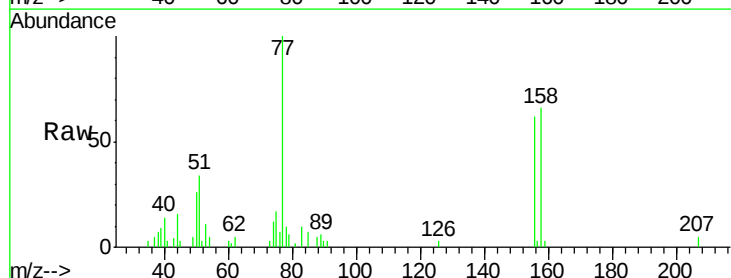
Tgt Ion: 156 Resp: 7434

Ion Ratio Lower Upper

156 100

77 190.6 84.0 252.2

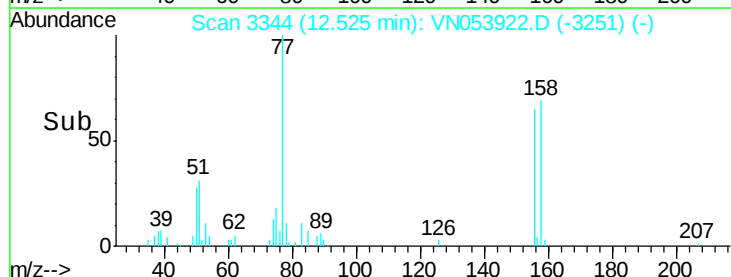
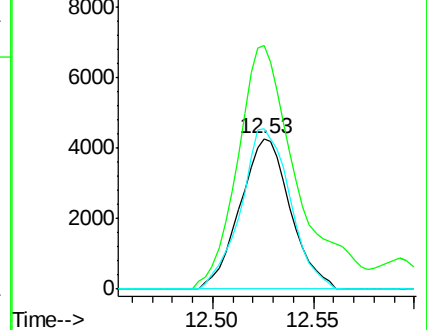
158 104.5 48.5 145.6

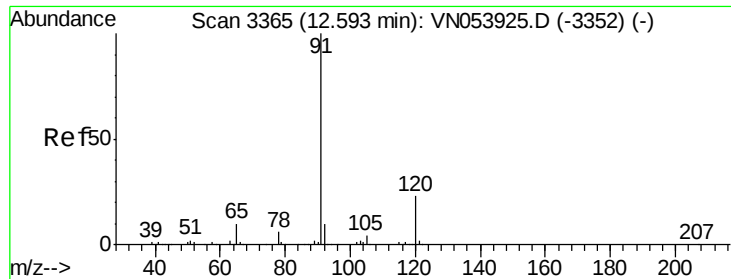


Abundance Ion 155.80 (155.50 to 156.50): VN053922.D (-3330) (-)

Ion 77.00 (76.70 to 77.70): VN053922.D (-3330) (-)

Ion 157.80 (157.50 to 158.50): VN053922.D (-3330) (-)





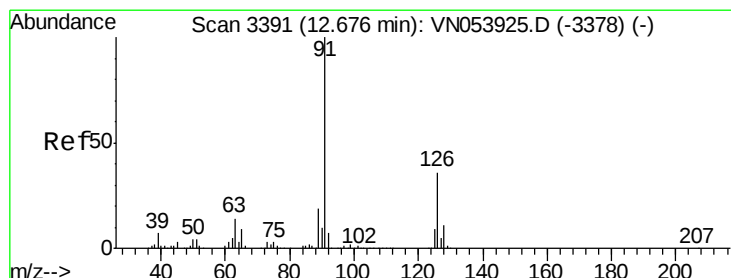
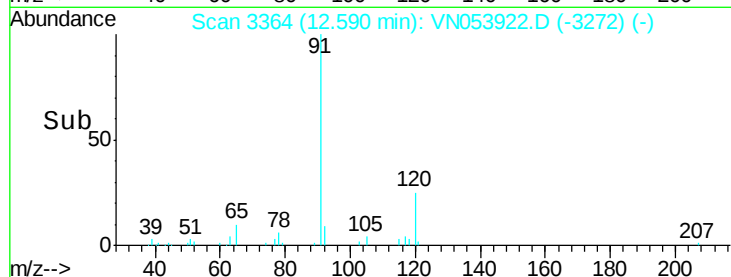
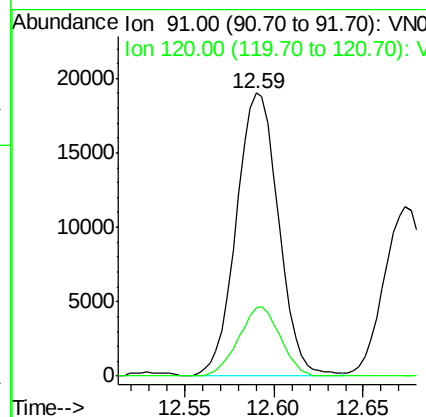
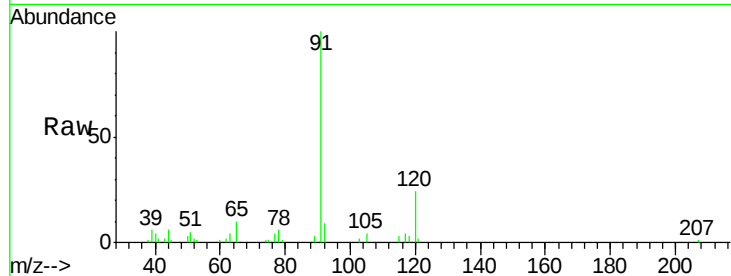
#78
n-propylbenzene
Concen: 1.046 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 31335
Ion Ratio Lower Upper
91 100
120 24.1 11.9 35.9

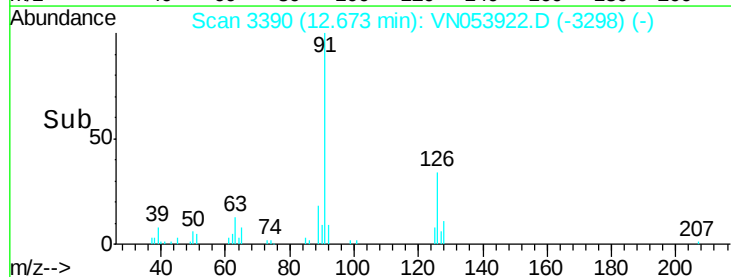
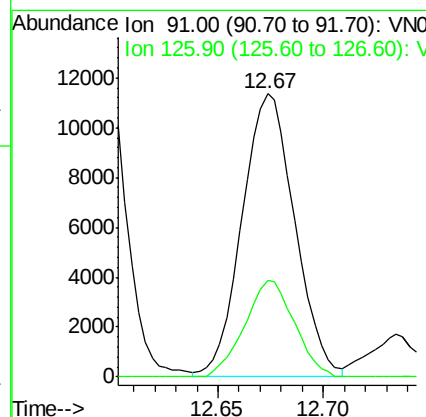
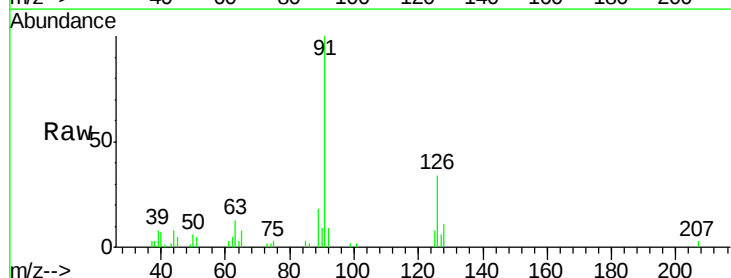
Manual Integrations
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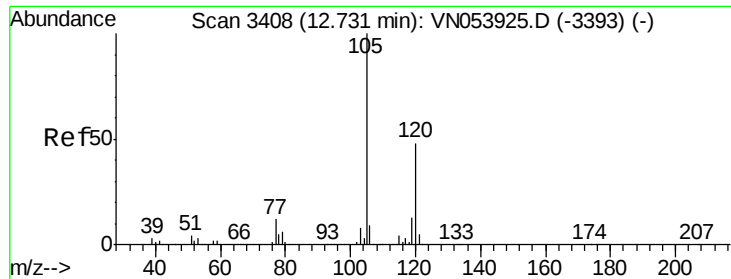
MMDadoda
2/28/2019 10:47:50 AM



#79
2-Chlorotoluene
Concen: 1.098 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion: 91 Resp: 19758
Ion Ratio Lower Upper
91 100
126 32.0 18.1 54.4





#80

1,3,5-Trimethylbenzene

Concen: 1.013 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 21830

Ion Ratio Lower Upper

105 100

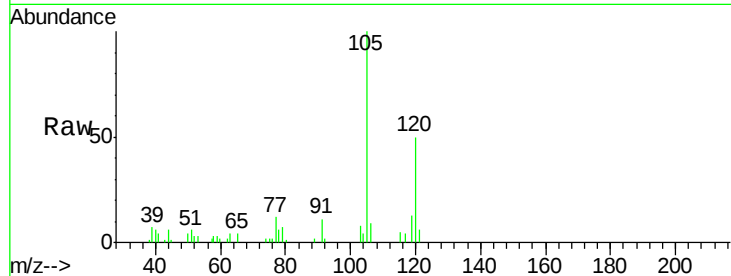
120 51.2 25.1 75.2

Manual Integrations

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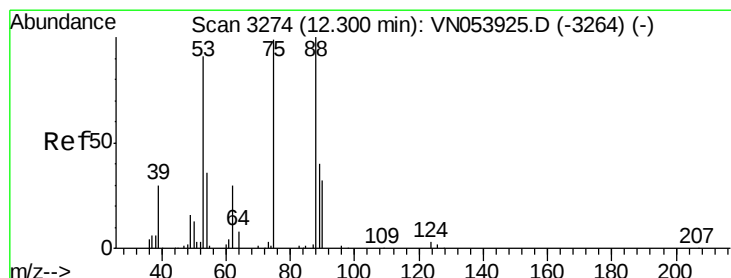
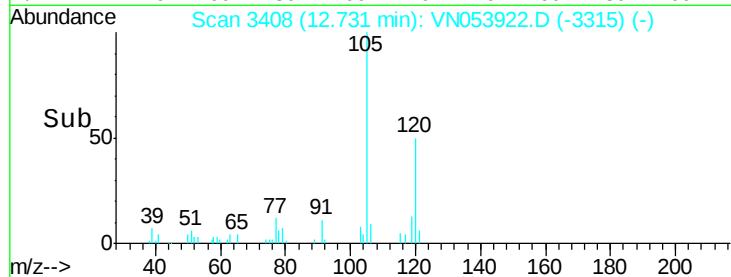
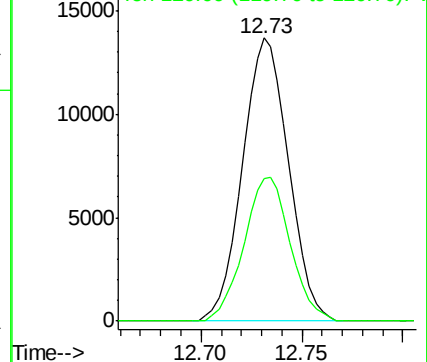
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 0.991 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

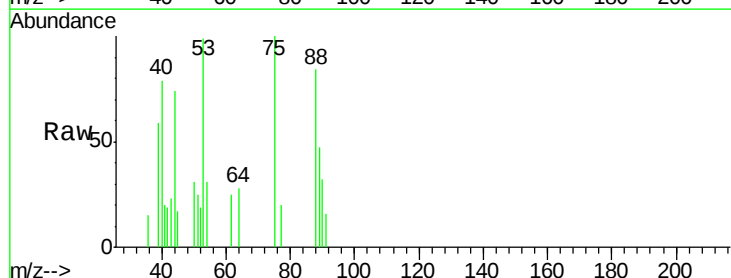
Tgt Ion: 75 Resp: 1701

Ion Ratio Lower Upper

75 100

53 101.4 68.6 102.8

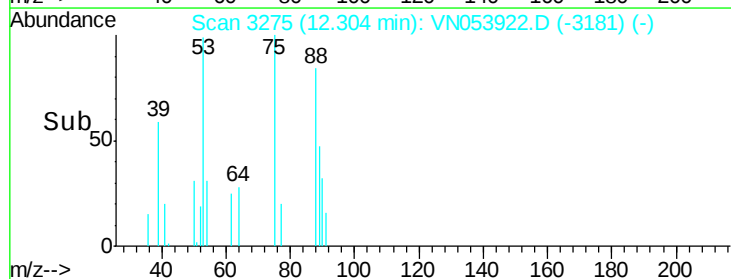
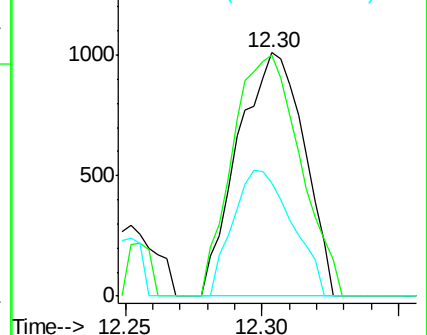
89 46.3 35.3 52.9

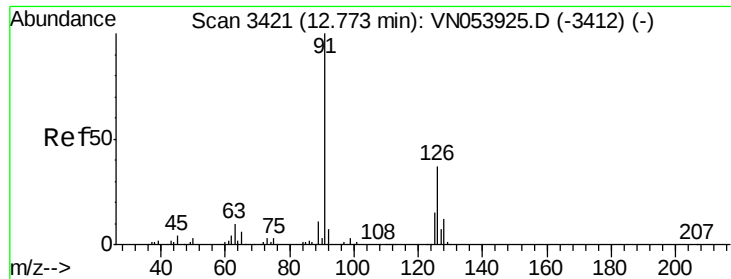


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





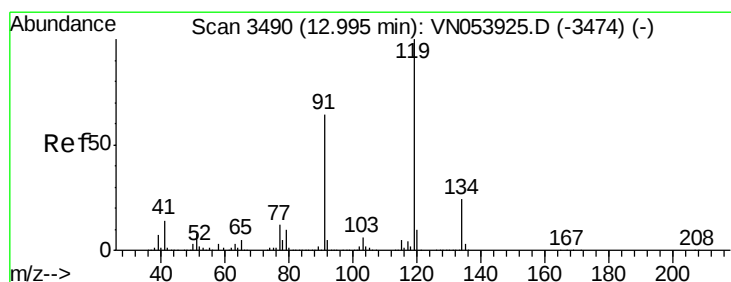
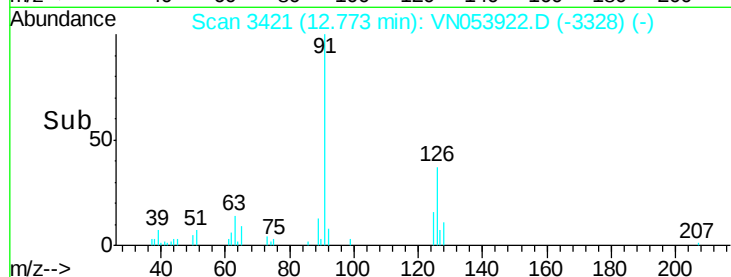
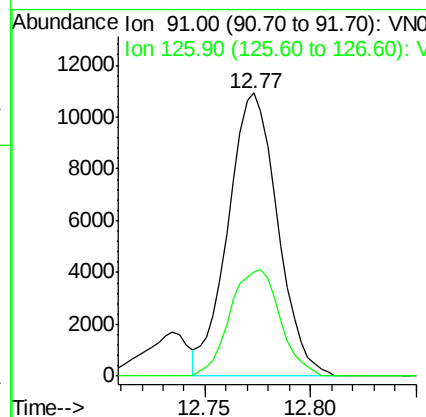
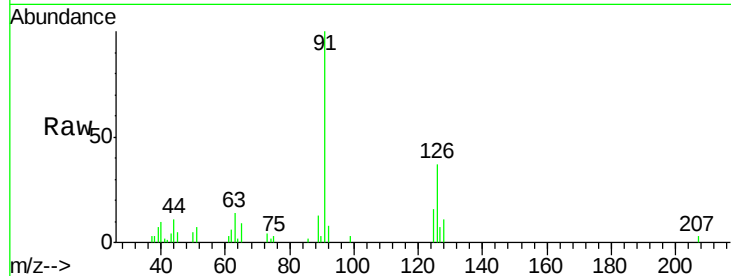
#82
4-Chlorotoluene
Concen: 1.001 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 17795
Ion Ratio Lower Upper
91 100
126 38.1 18.0 54.0

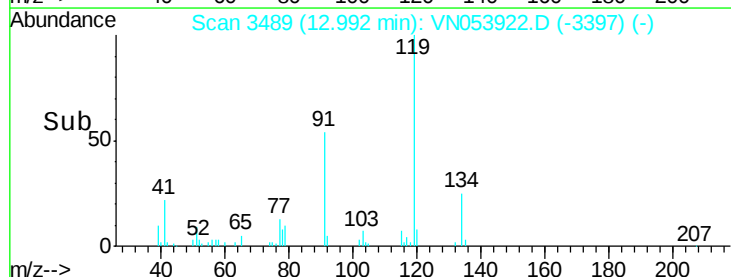
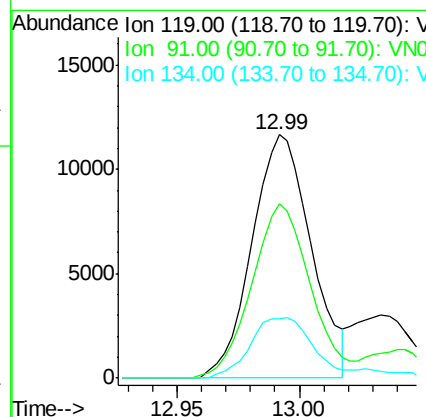
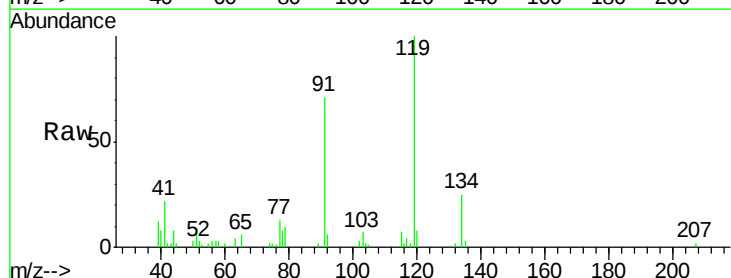
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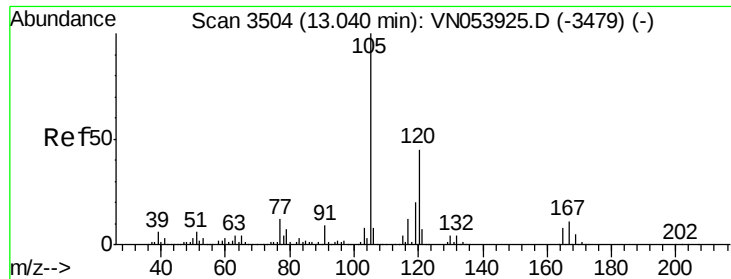
MMDadoda
2/28/2019 10:47:50 AM



#83
tert-Butylbenzene
Concen: 1.026 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053922.D
Acq: 25 Feb 2019 11:01

Tgt Ion: 119 Resp: 19568
Ion Ratio Lower Upper
119 100
91 70.7 30.6 91.8
134 26.1 13.0 39.0





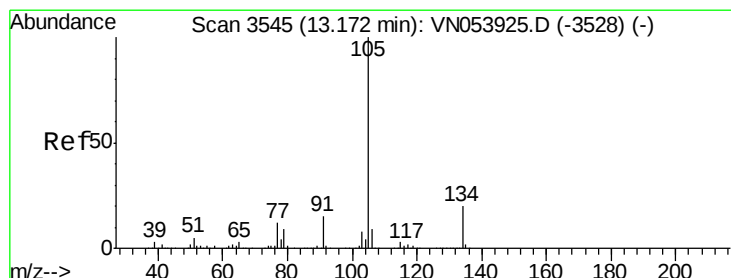
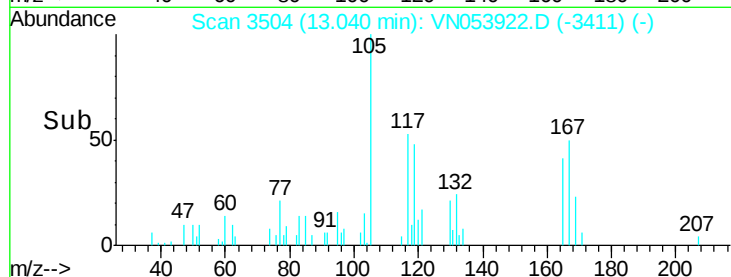
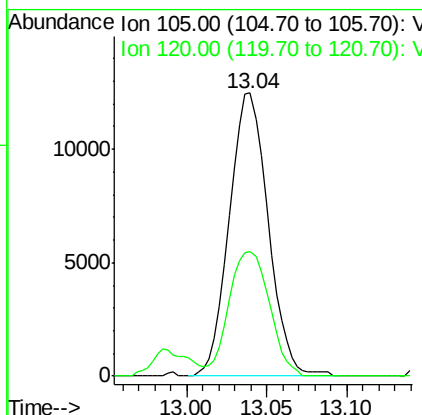
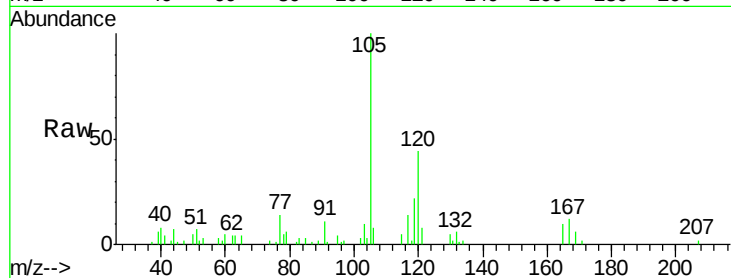
#84
 1,2,4-Trimethylbenzene
 Concen: 0.962 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.5

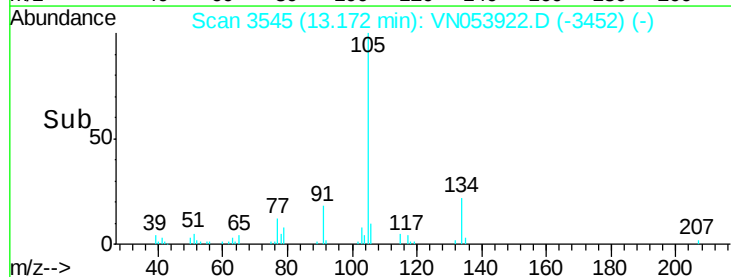
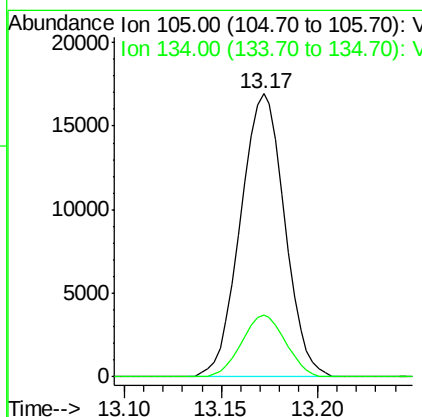
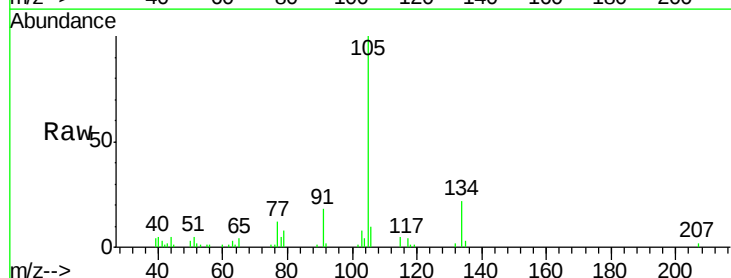
Manual Integrations
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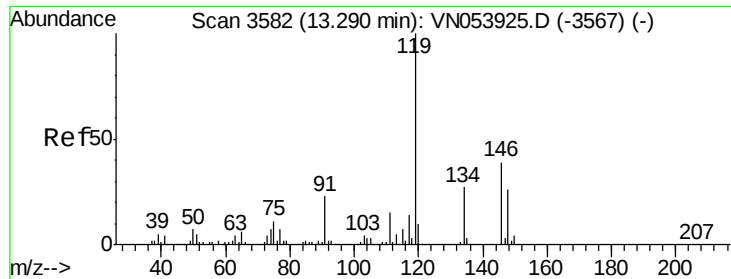
MMDadoda
 2/28/2019 10:47:50 AM



#85
 sec-Butylbenzene
 Concen: 1.035 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.4	31.1





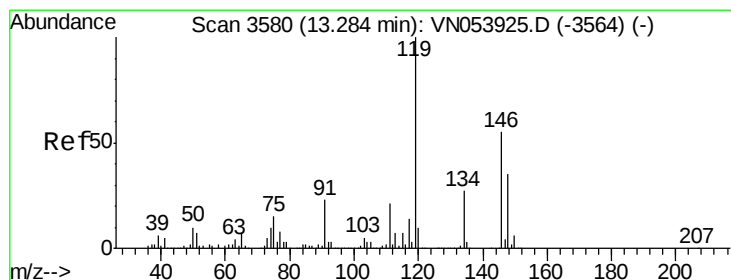
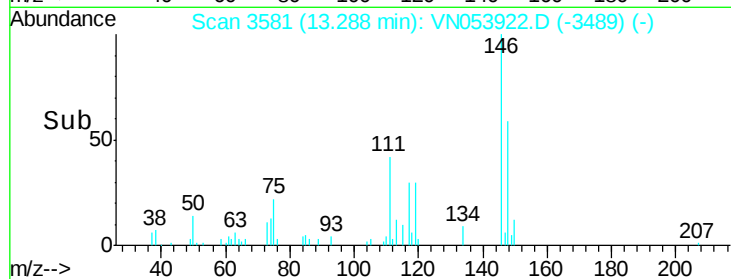
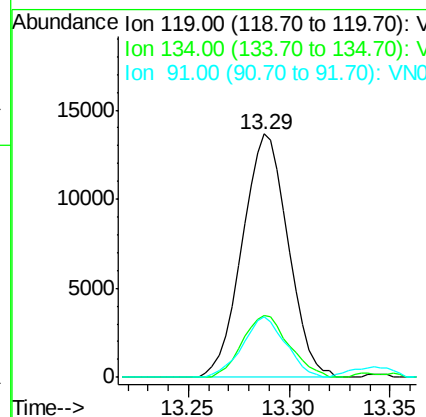
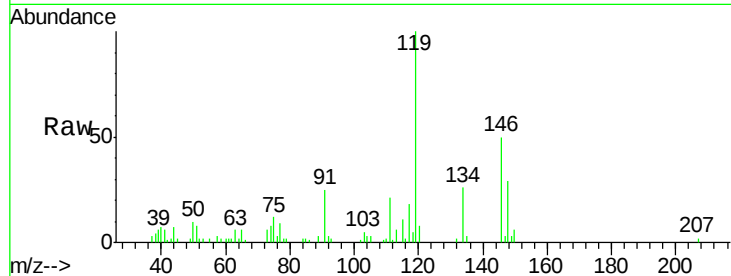
#86
 p-Isopropyltoluene
 Concen: 0.987 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	21722		
134	25.7		13.5	40.4
91	23.5		10.9	32.6

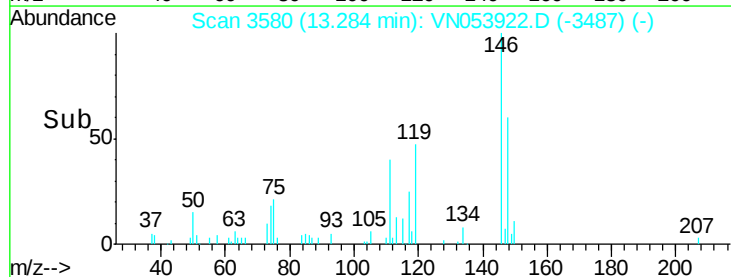
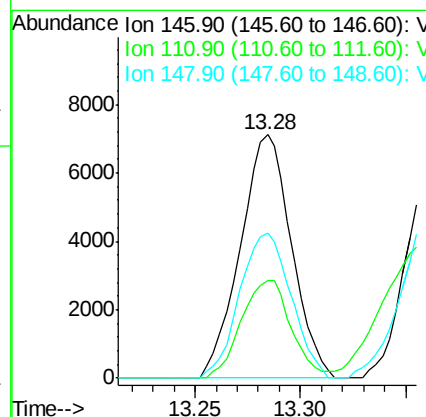
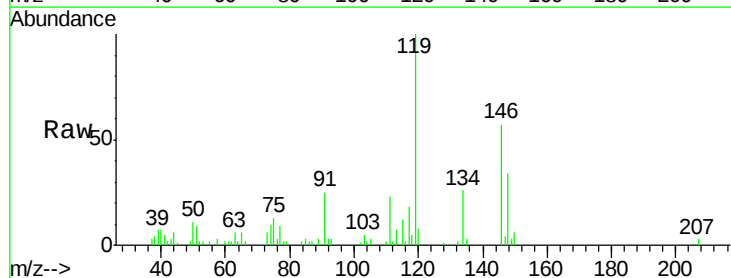
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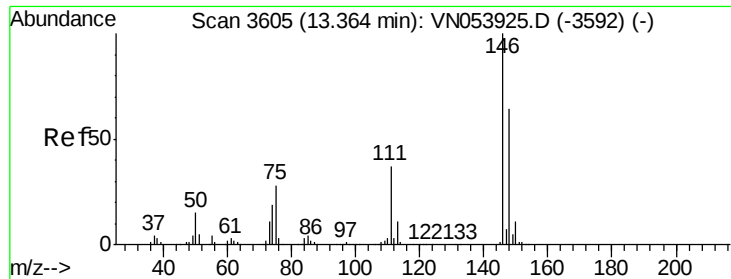
MMDadoda
 2/28/2019 10:47:50 AM



#87
 1,3-Dichlorobenzene
 Concen: 1.035 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	11973		
111	39.5		18.7	56.1
148	60.2		32.0	96.2





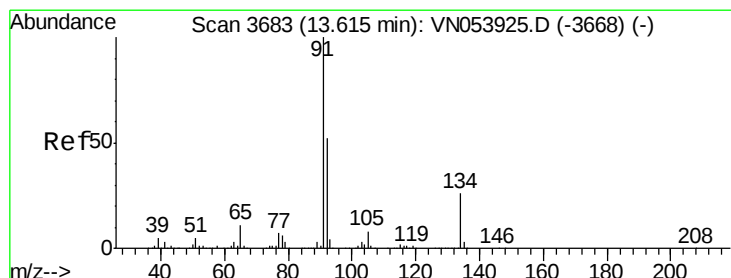
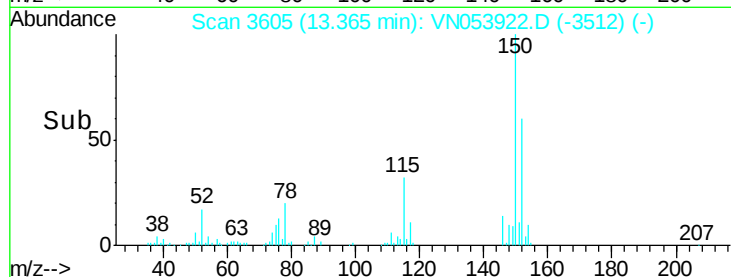
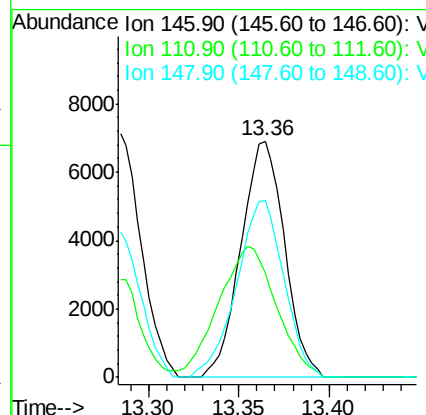
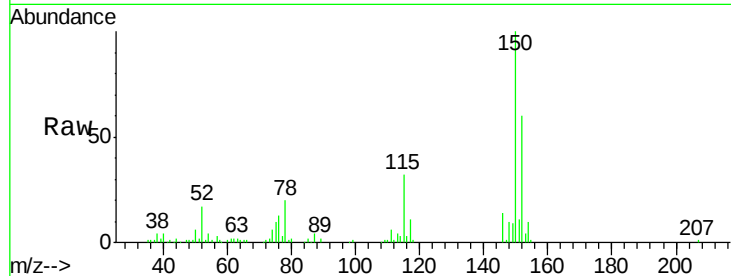
#88
 1,4-Dichlorobenzene
 Concen: 1.031 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.0	54.0
148	62.3	32.1	96.5

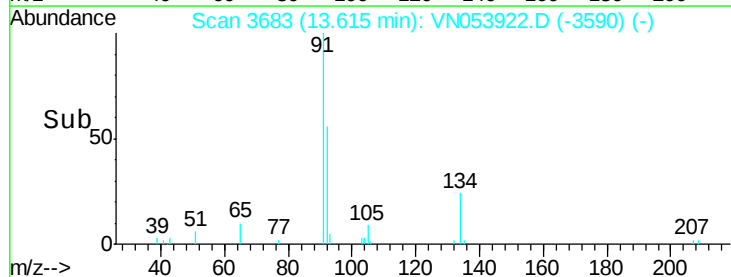
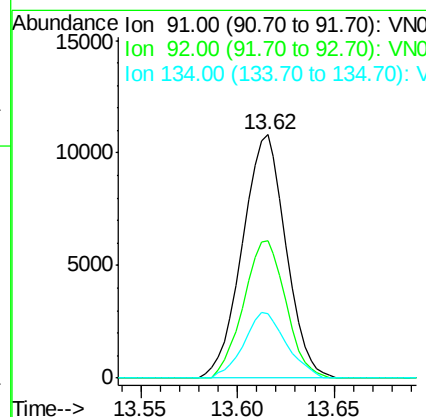
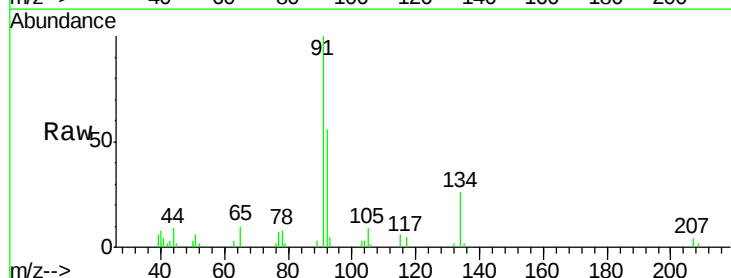
Manual Integrations
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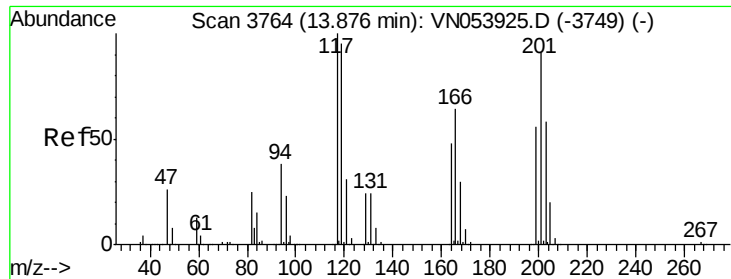
MMDadoda
 2/28/2019 10:47:50 AM



#89
 n-Butylbenzene
 Concen: 0.914 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.1	78.2
134	26.1	13.6	40.8





#90

Hexachloroethane

Concen: 1.164 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 4967

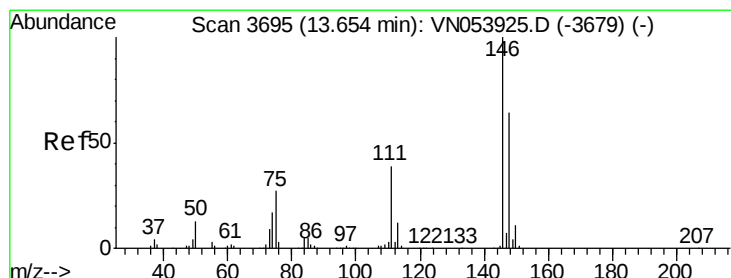
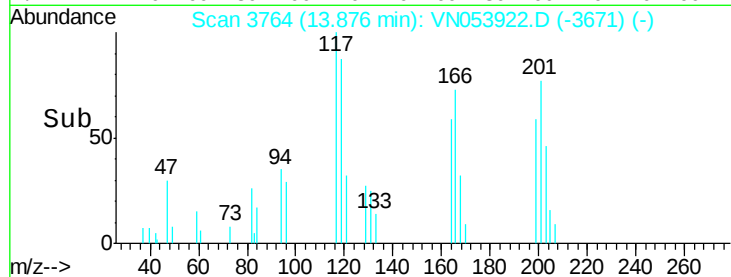
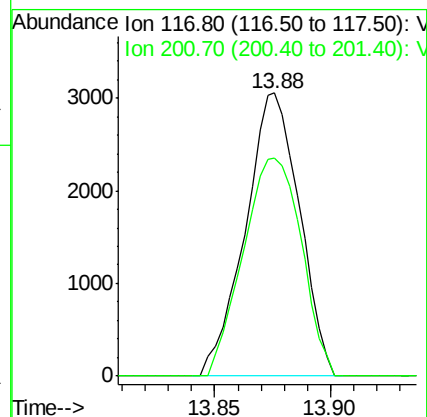
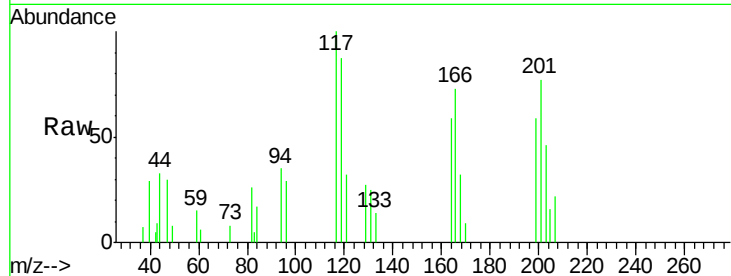
Ion Ratio Lower Upper

117 100

201 82.8 48.0 144.2

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#91

1,2-Dichlorobenzene

Concen: 1.052 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

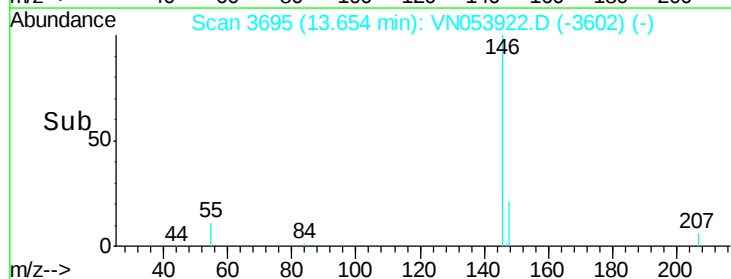
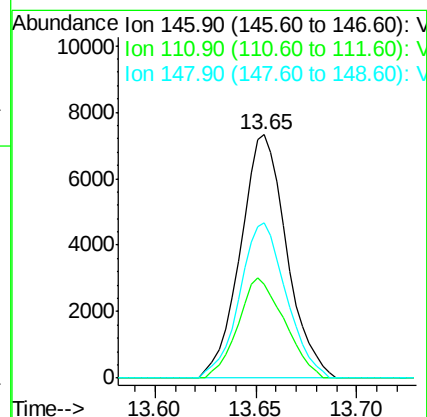
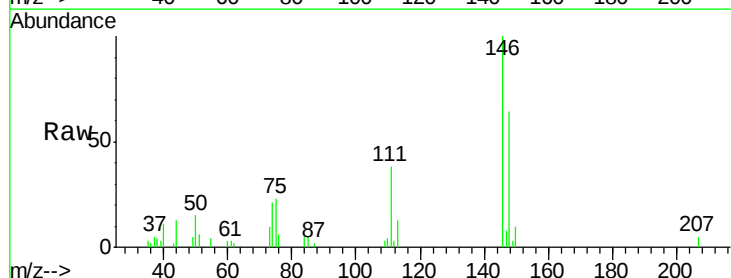
Tgt Ion:146 Resp: 11778

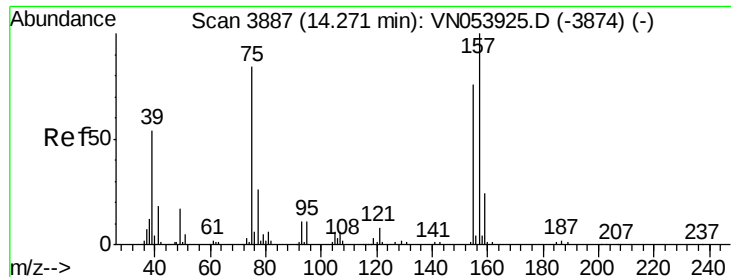
Ion Ratio Lower Upper

146 100

111 41.0 19.1 57.5

148 64.1 32.1 96.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.110 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 1033

Ion Ratio Lower Upper

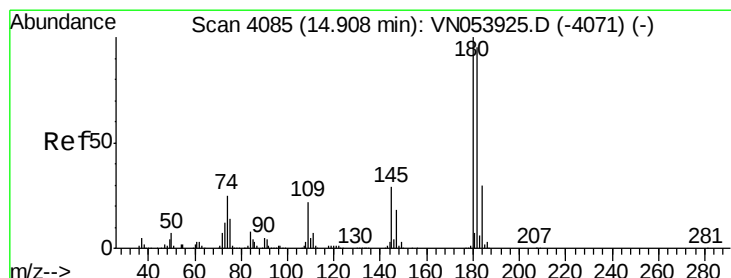
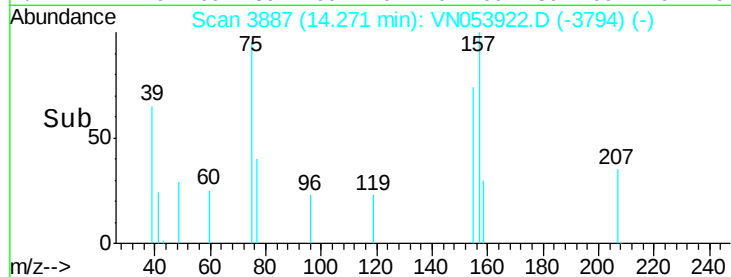
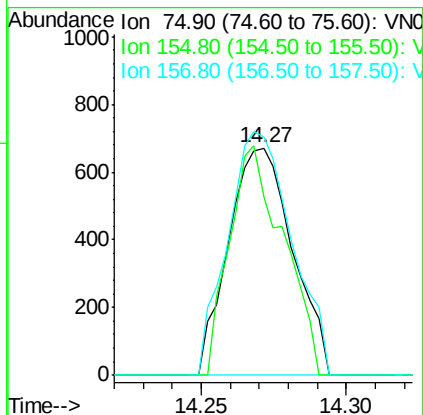
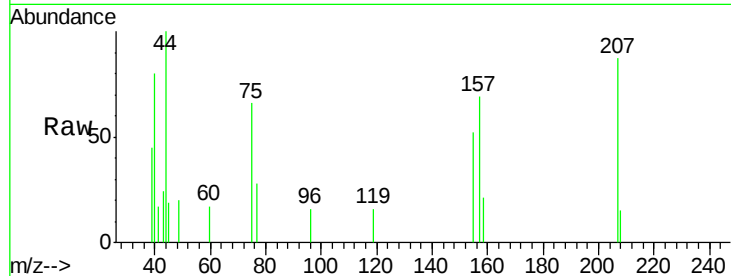
75 100

155 85.0 49.5 148.5

157 107.4 64.8 194.6

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#93

1,2,4-Trichlorobenzene

Concen: 0.598 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

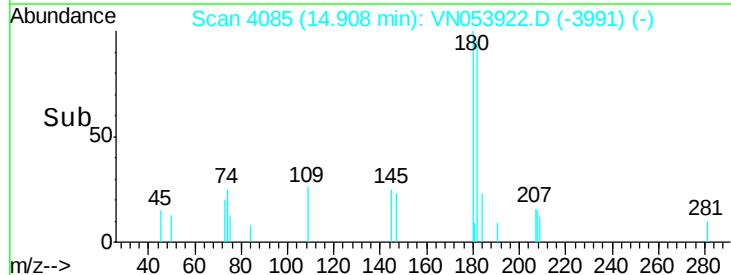
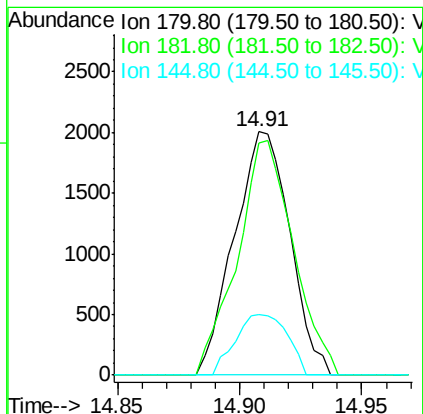
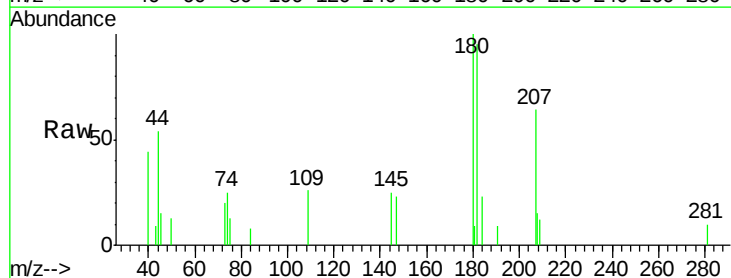
Tgt Ion: 180 Resp: 3176

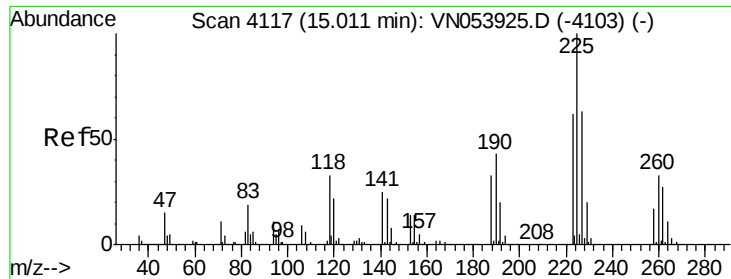
Ion Ratio Lower Upper

180 100

182 96.9 48.6 145.9

145 23.3 13.8 41.3





#94

Hexachlorobutadiene

Concen: 1.168 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN053922.D

Acq: 25 Feb 2019 11:01

Instrument :

MSVOA_N

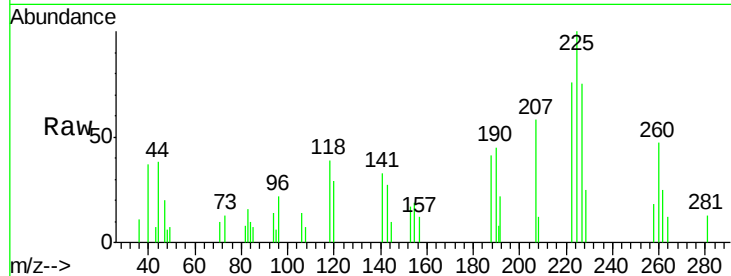
ClientSampleId :

VSTDIC001

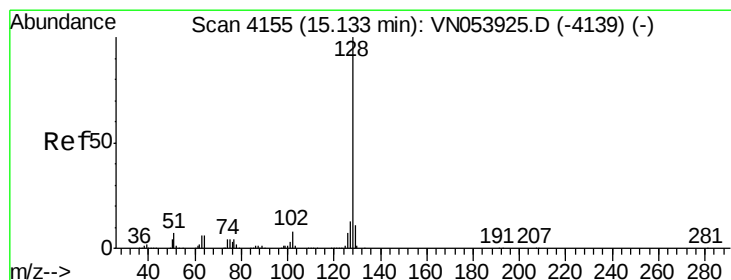
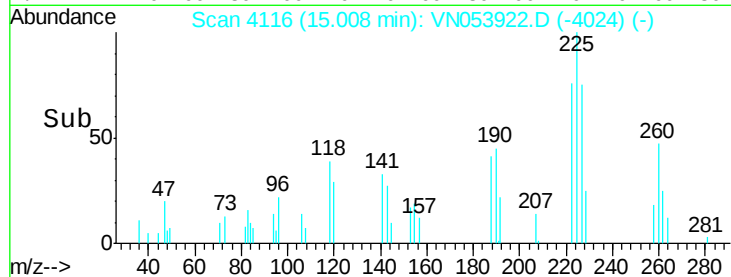
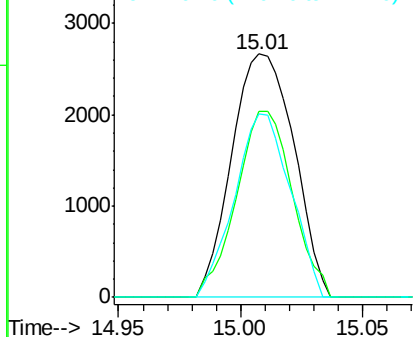
Tot Ion:	225	Resp:	4724
Ion Ratio	Lower	Upper	
225	100		
223	68.6	30.9	92.5
227	67.9	32.5	97.4

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.544 ug/l

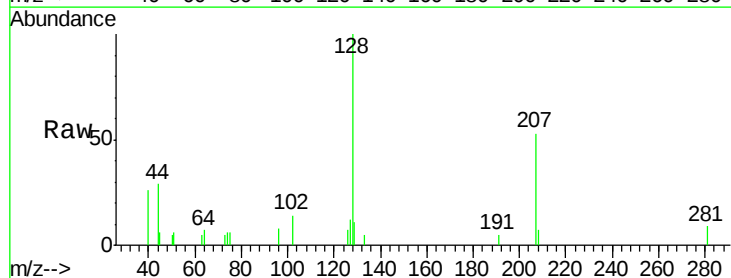
RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

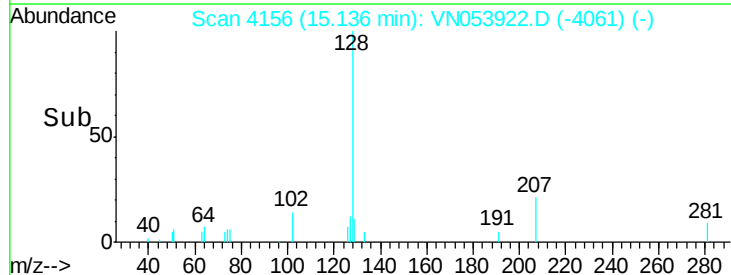
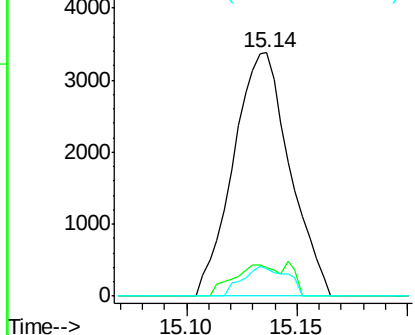
Lab File: VN053922.D

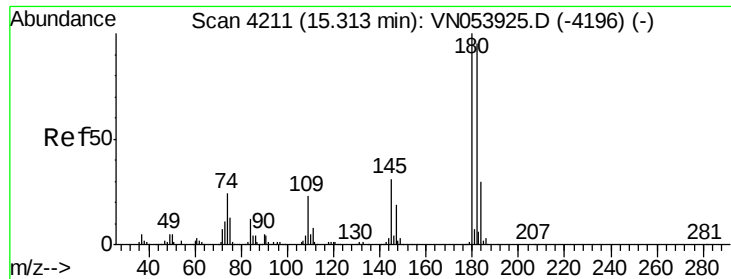
Acq: 25 Feb 2019 11:01

Tgt Ion:	128	Resp:	5992
Ion Ratio	Lower	Upper	
128	100		
127	10.2	10.2	15.2
129	9.7	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.683 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053922.D
 Acq: 25 Feb 2019 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	3642
Ion Ratio	Lower	Upper	
180	100		
182	103.5	47.3	141.8
145	27.9	14.4	43.0

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:47:50 AM

