

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055034.D
 Acq On : 15 Apr 2019 9:15
 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
 4/17/2019 1:48:41 PM

Quant Time: Apr 15 12:13:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 11:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	420677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	679306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	562620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164986	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	4930	1.062	ug/l	96
3) Chloromethane	2.06	50	6856	1.102	ug/l	97
4) Vinyl Chloride	2.19	62	5828	1.154	ug/l	99
5) Bromomethane	2.56	94	3403	1.164	ug/l	98
6) Chloroethane	2.70	64	3069	1.102	ug/l	93
7) Trichlorofluoromethane	3.02	101	7094	1.120	ug/l	86
8) Diethyl Ether	3.41	74	2383	1.196	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	3698m	1.119	ug/l	
12) 1,1-Dichloroethene	3.72	96	3912	1.203	ug/l #	63
14) Allyl chloride	4.32	41	8891m	1.119	ug/l	
15) Acrylonitrile	5.00	53	8418	4.698	ug/l #	84
16) Acetone	3.82	43	8224	5.671	ug/l	97
17) Carbon Disulfide	4.03	76	12422	1.173	ug/l	98
18) Methyl Acetate	4.33	43	6864	1.527	ug/l #	91
19) Methyl tert-butyl Ether	5.05	73	12228m	1.052	ug/l	
20) Methylene Chloride	4.54	84	6625	1.247	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	5089	1.188	ug/l	89
22) Diisopropyl ether	5.95	45	16883	1.048	ug/l #	86
23) Vinyl Acetate	5.90	43	47207	4.189	ug/l	99
24) 1,1-Dichloroethane	5.84	63	9274	1.066	ug/l #	94
25) 2-Butanone	6.85	43	9602	4.299	ug/l	91
26) 2,2-Dichloropropane	6.81	77	5164	0.897	ug/l #	68
27) cis-1,2-Dichloroethene	6.82	96	5228m	1.050	ug/l	
28) Bromochloromethane	7.20	49	4563m	1.105	ug/l	
29) Tetrahydrofuran	7.22	42	7437	5.079	ug/l	94
30) Chloroform	7.37	83	9468	1.141	ug/l	92
31) Cyclohexane	7.66	56	16321	1.704	ug/l #	40
32) 1,1,1-Trichloroethane	7.56	97	7260	1.098	ug/l #	51
36) 1,1-Dichloropropene	7.79	75	7296	1.162	ug/l #	89
37) Ethyl Acetate	6.94	43	6506m	1.380	ug/l	
38) Carbon Tetrachloride	7.77	117	7380	1.249	ug/l #	83
39) Methylcyclohexane	9.08	83	7335	1.021	ug/l	99
40) Benzene	8.04	78	19521	1.028	ug/l	91
41) Methacrylonitrile	7.17	41	2829	0.975	ug/l #	53

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

42) 1,2-Dichloroethane	8.13	62	6977	1.045	ug/l	98
43) Isopropyl Acetate	8.17	43	7191	0.892	ug/l #	94
44) Trichloroethene	8.83	130	4680	0.965	ug/l	96
45) 1,2-Dichloropropane	9.12	63	5658	1.056	ug/l	90
46) Dibromomethane	9.21	93	2987	0.973	ug/l	93
47) Bromodichloromethane	9.40	83	6493	1.040	ug/l	87
48) Methyl methacrylate	9.20	41	3595	0.866	ug/l	97
49) 1,4-Dioxane	9.20	88	643m	14.402	ug/l	
51) 4-Methyl-2-Pentanone	9.99	43	20569	4.359	ug/l	98
52) Toluene	10.15	92	10396	0.926	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	5023	0.889	ug/l #	88
54) cis-1,3-Dichloropropene	9.84	75	6303	0.905	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	4301	1.029	ug/l	90
56) Ethyl methacrylate	10.43	69	4229	0.786	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	6654	0.922	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.70	63	7341	3.487	ug/l	95
59) 2-Hexanone	10.75	43	12742	4.321	ug/l	92
60) Dibromochloromethane	10.90	129	3647	0.876	ug/l	96
61) 1,2-Dibromoethane	11.01	107	3654	0.913	ug/l	97
64) Tetrachloroethene	10.63	164	5425	1.233	ug/l	91
65) Chlorobenzene	11.43	112	11781	1.086	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	4526	1.132	ug/l #	60
67) Ethyl Benzene	11.51	91	20335	1.020	ug/l	96
68) m/p-Xylenes	11.62	106	13775	1.889	ug/l	98
69) o-Xylene	11.95	106	6398	0.887	ug/l	84
70) Styrene	11.97	104	10219	0.893	ug/l	96
71) Bromoform	12.13	173	2055	0.851	ug/l #	96
73) Isopropylbenzene	12.25	105	17676	1.260	ug/l	100
74) N-amyl acetate	12.07	43	3964	0.938	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	4889	1.346	ug/l #	90
76) 1,2,3-Trichloropropane	12.55	75	3708m	1.222	ug/l	
77) Bromobenzene	12.52	156	4590	1.332	ug/l	87
78) n-propylbenzene	12.59	91	18605	1.217	ug/l	94
79) 2-Chlorotoluene	12.67	91	11574	1.226	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	13678	1.198	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.31	75	682m	0.927	ug/l	
82) 4-Chlorotoluene	12.77	91	9729	1.066	ug/l	99
83) tert-Butylbenzene	12.99	119	11773	1.203	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	11909	1.088	ug/l	97
85) sec-Butylbenzene	13.17	105	15021	1.203	ug/l	97
86) p-Isopropyltoluene	13.29	119	12388	1.140	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	5704	1.018	ug/l	89
88) 1,4-Dichlorobenzene	13.36	146	5334	0.995	ug/l	82
89) n-Butylbenzene	13.61	91	8393	0.984	ug/l	95
90) Hexachloroethane	13.87	117	2269	1.264	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	5872	1.079	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	506	1.071	ug/l	83
93) 1,2,4-Trichlorobenzene	14.91	180	2071	0.904	ug/l	92
94) Hexachlorobutadiene	15.01	225	1929	1.017	ug/l	95
95) Naphthalene	15.13	128	4072	0.759	ug/l #	86

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VSTDICC001

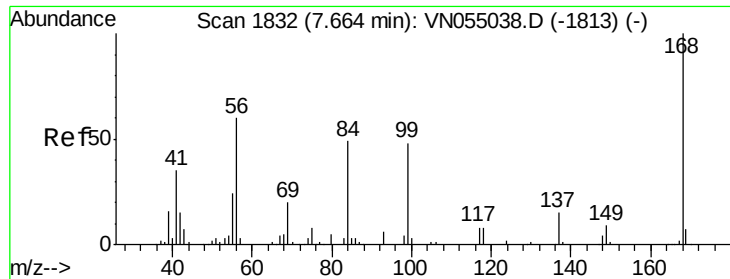
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	2014	0.821	ug/l	98

(#) = 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: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 420677

Ion Ratio Lower Upper

168 100

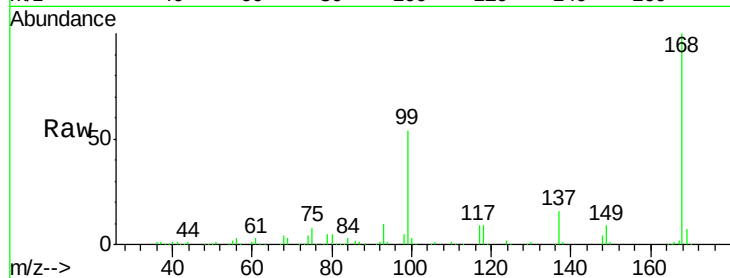
99 54.1 41.9 62.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

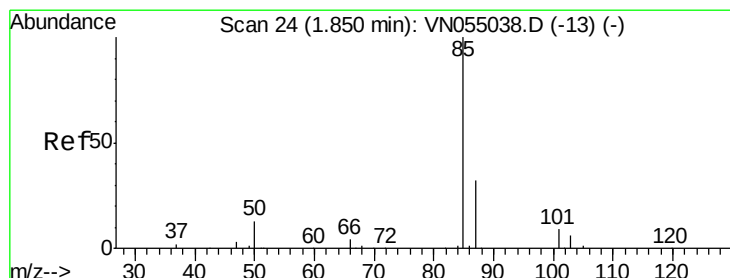
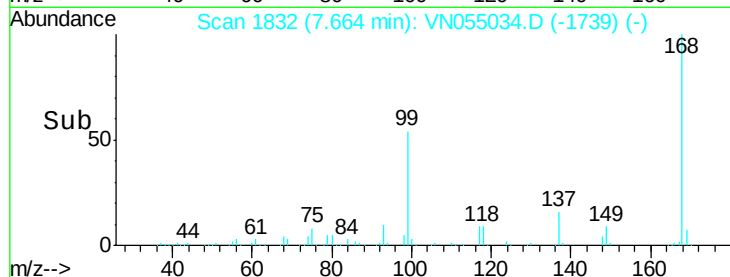
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.062 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055034.D

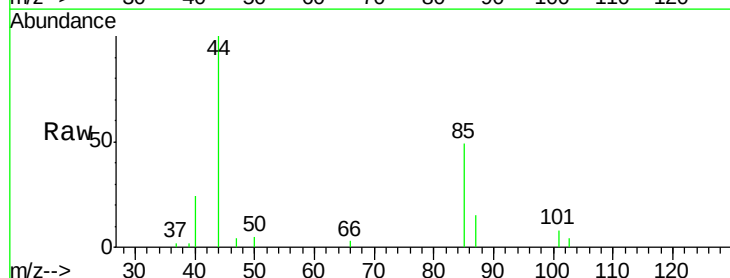
Acq: 15 Apr 2019 9:15

Tgt Ion: 85 Resp: 4930

Ion Ratio Lower Upper

85 100

87 30.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

4000

3000

2000

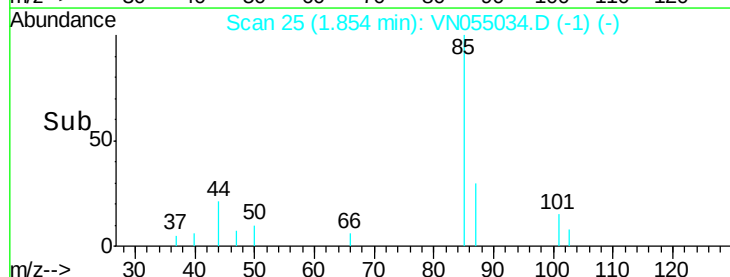
1000

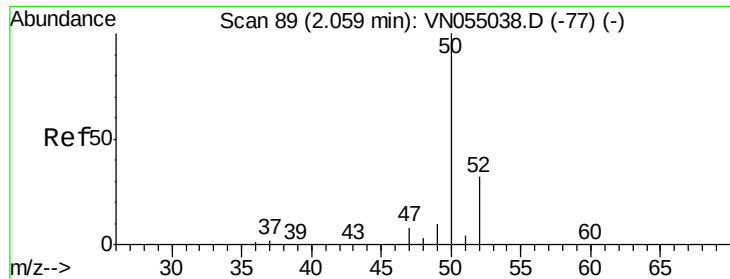
0

1.85

1.90

Time-->





#3

Chloromethane

Concen: 1.102 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 6856

Ion Ratio Lower Upper

50 100

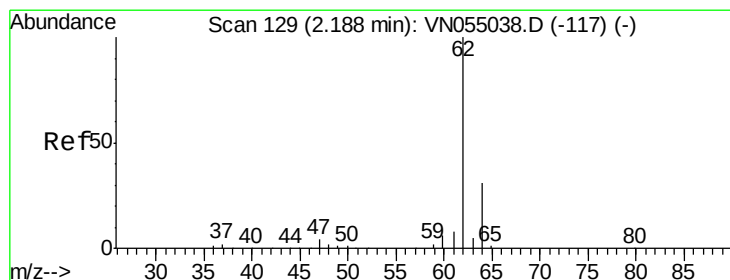
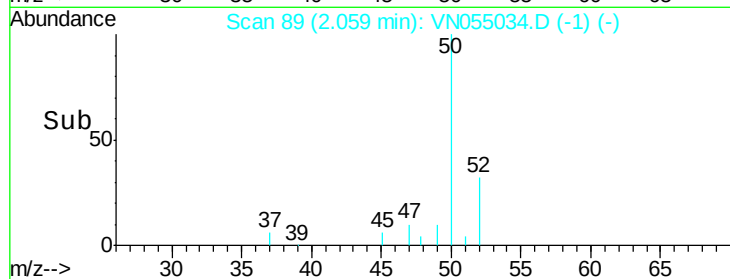
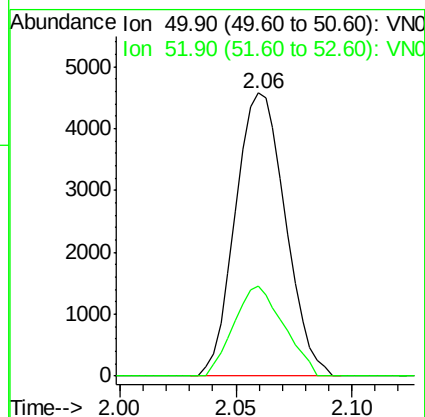
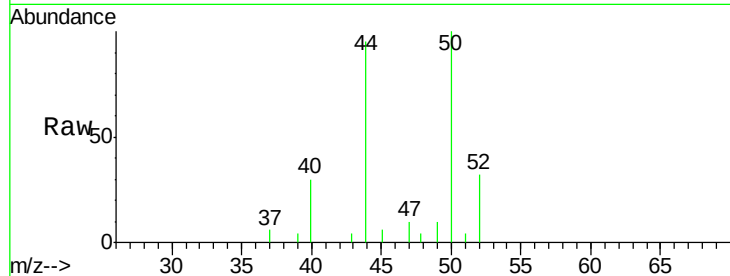
52 31.8 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.154 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055034.D

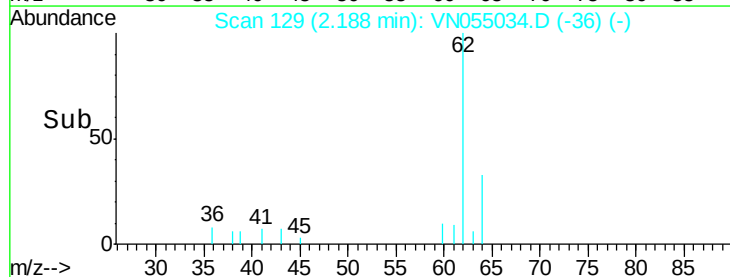
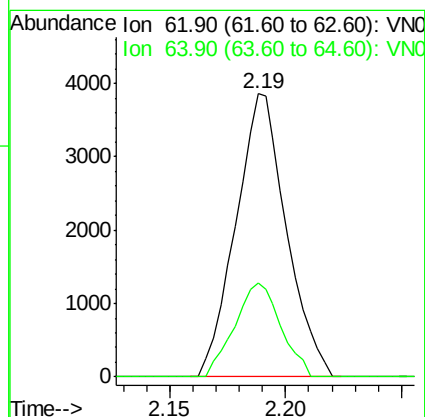
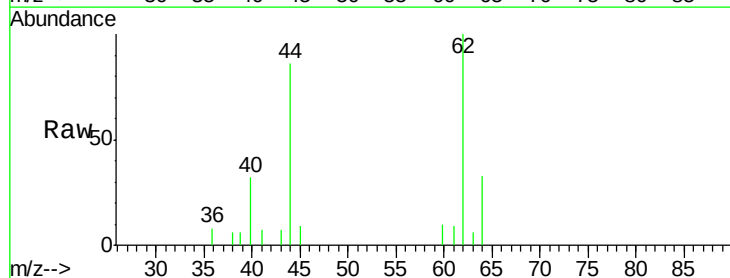
Acq: 15 Apr 2019 9:15

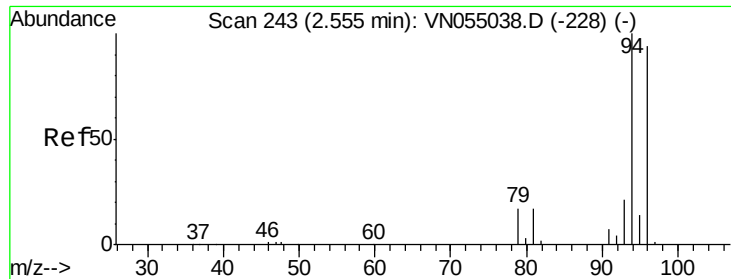
Tgt Ion: 62 Resp: 5828

Ion Ratio Lower Upper

62 100

64 33.0 25.8 38.6





#5

Bromomethane

Concen: 1.164 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 3403

Ion Ratio Lower Upper

94 100

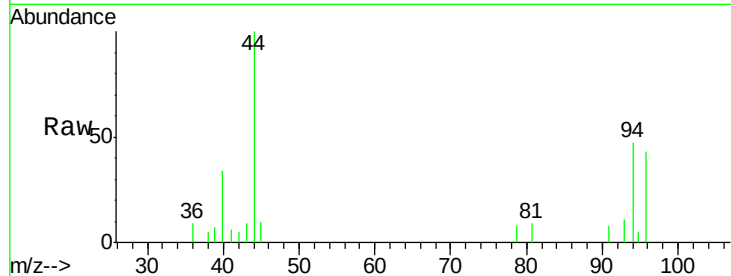
96 93.1 76.2 114.4

Manual Integrations

APPROVED

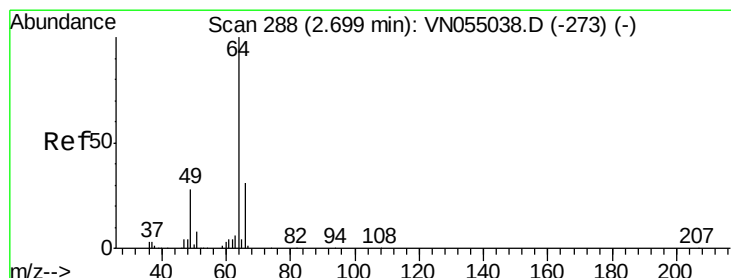
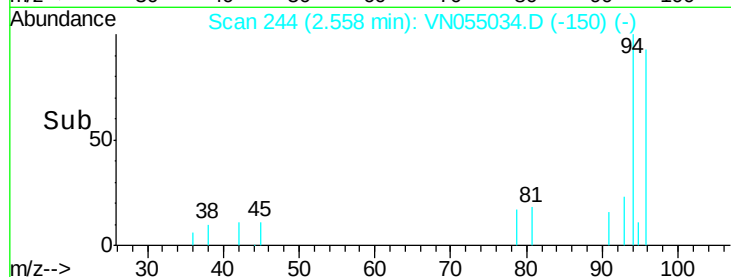
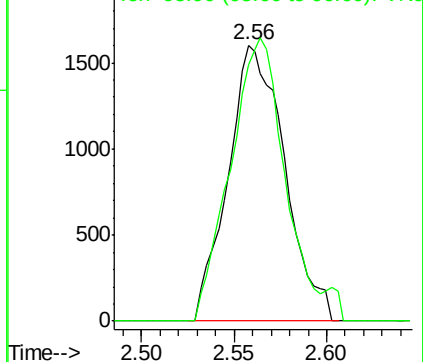
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.102 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055034.D

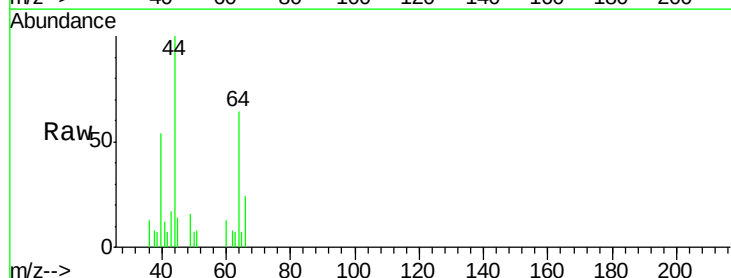
Acq: 15 Apr 2019 9:15

Tgt Ion: 64 Resp: 3069

Ion Ratio Lower Upper

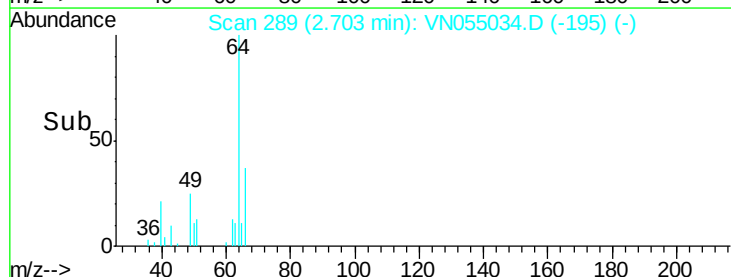
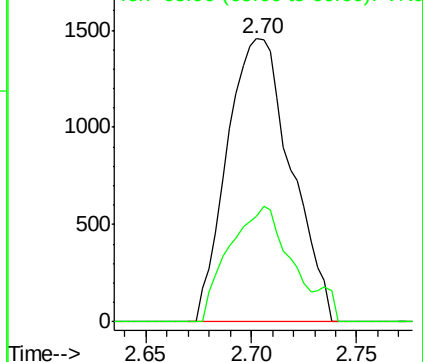
64 100

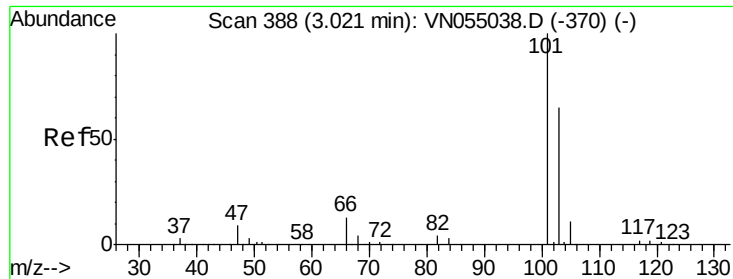
66 37.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

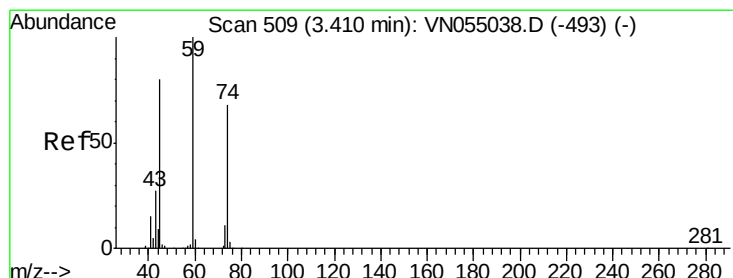
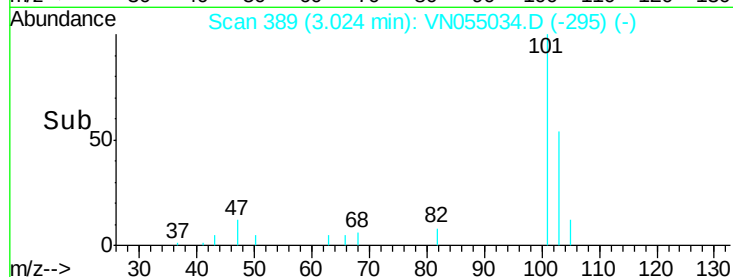
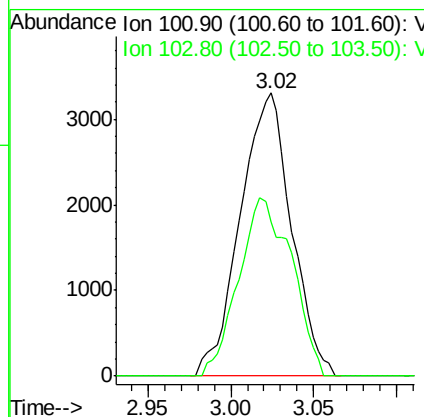
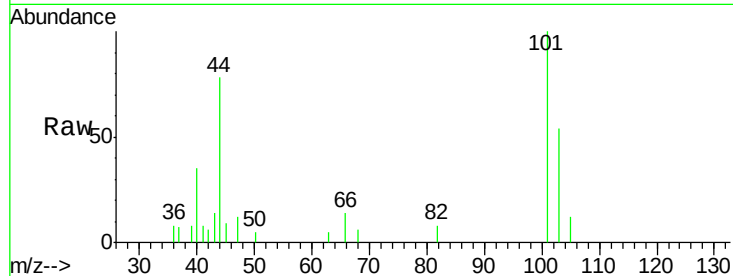
Trichlorofluoromethane
Concen: 1.120 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

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Tot Ion	Ratio	Lower	Upper
101	100		
103	54.4	52.5	78.7

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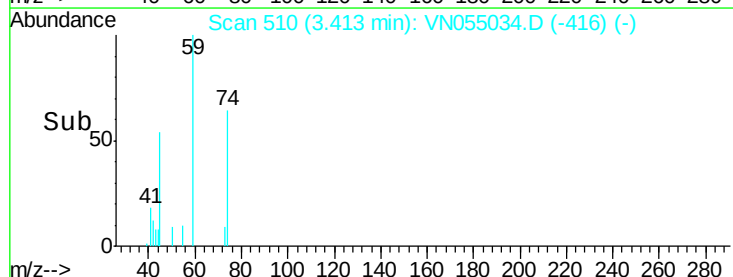
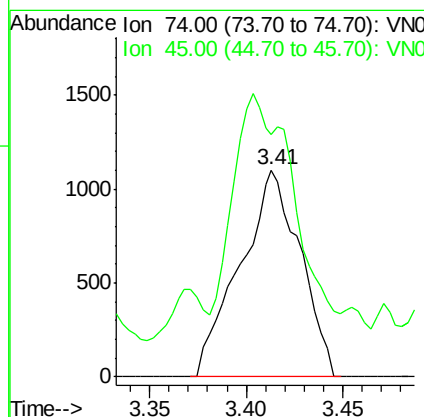
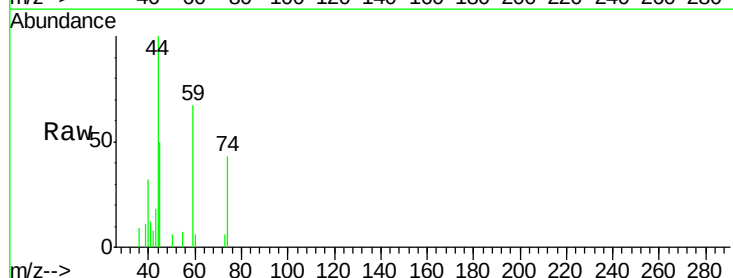
MMDadoda
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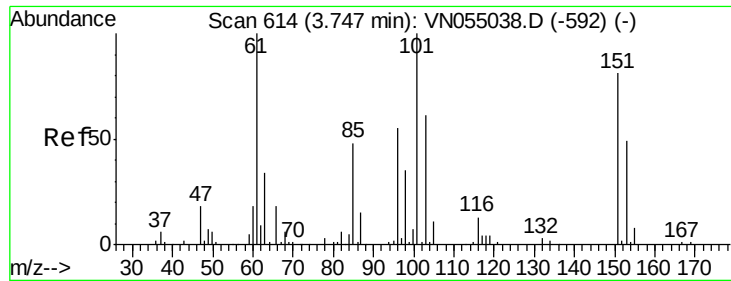


#8

Diethyl Ether
Concen: 1.196 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.119 ug/l m

RT: 3.75 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

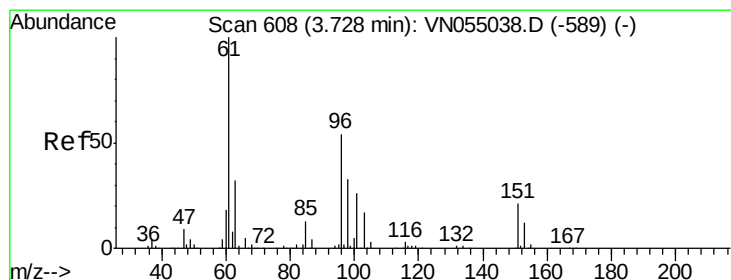
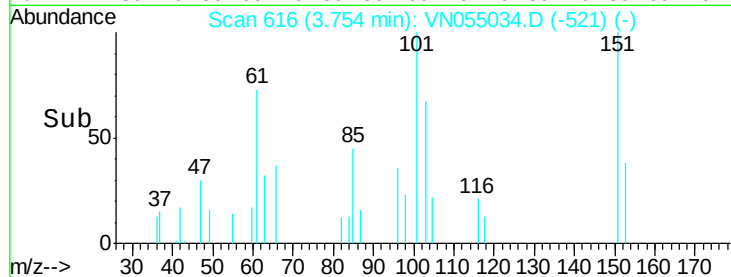
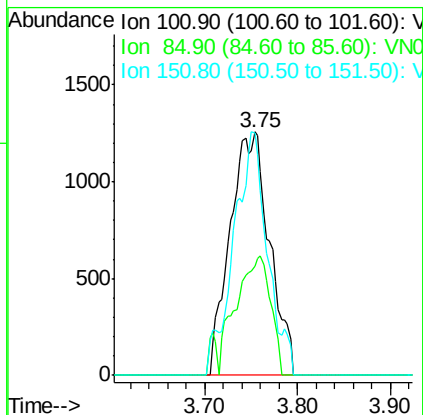
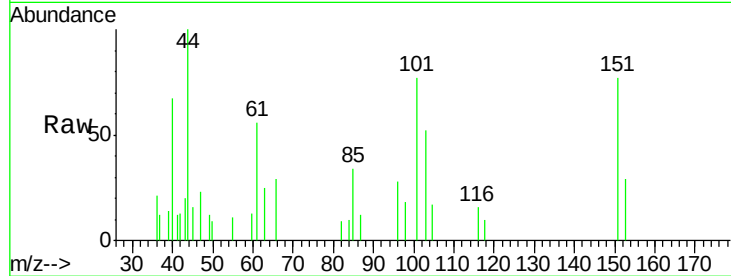
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	3698
Ion Ratio	Lower	Upper	
101	100		
85	43.1	36.9	55.3
151	85.6	64.4	96.6

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#12

1,1-Dichloroethene

Concen: 1.203 ug/l

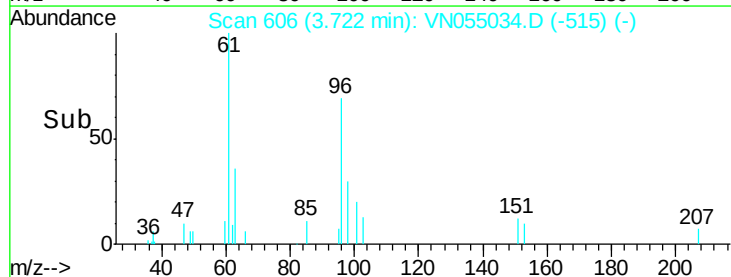
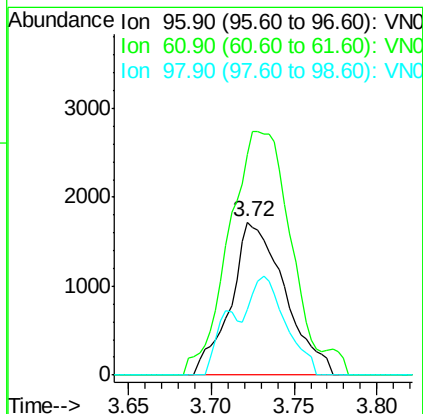
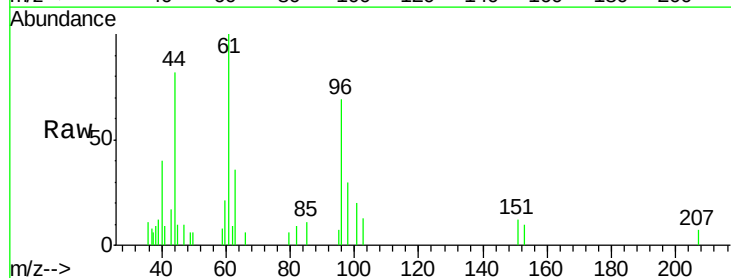
RT: 3.72 min Scan# 606

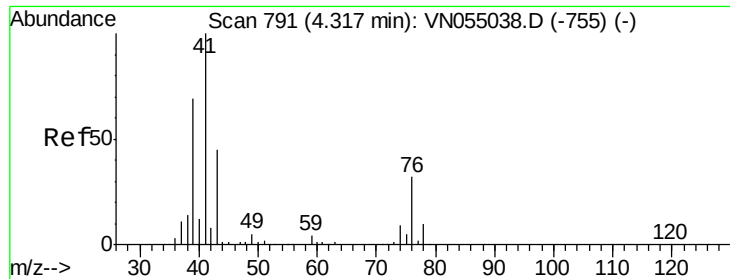
Delta R.T. -0.01 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Tgt Ion:	96	Resp:	3912
Ion Ratio	Lower	Upper	
96	100		
61	133.5	154.2	231.4#
98	42.8	52.9	79.3#





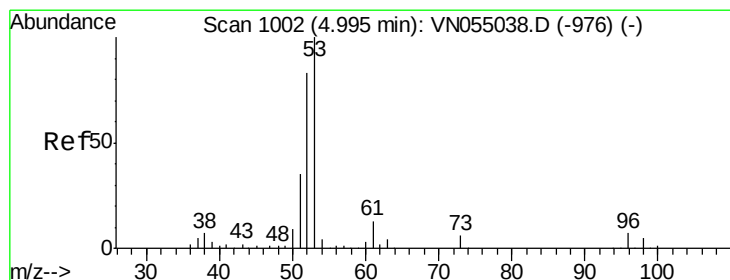
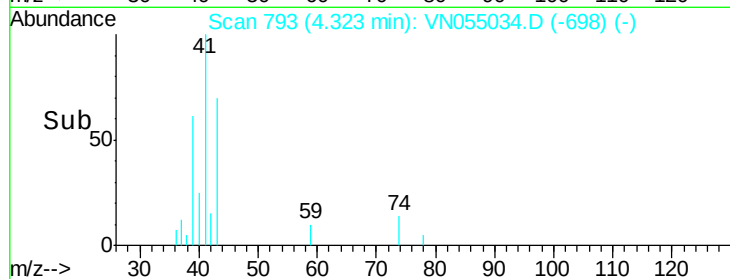
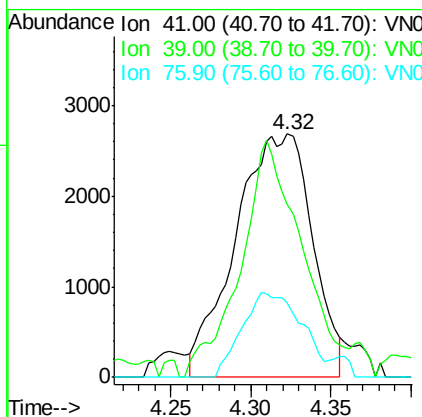
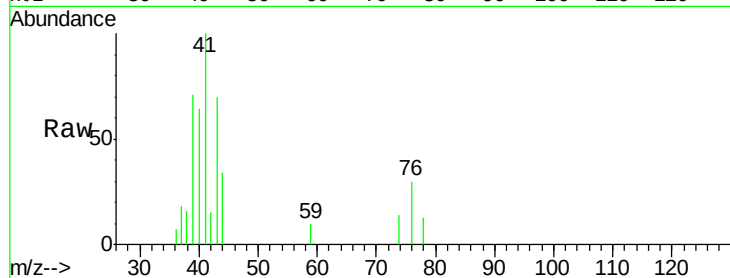
#14
Allvl chloride
Concen: 1.119 ug/l m
RT: 4.32 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.0	52.7	79.1
76	27.2	23.2	34.8

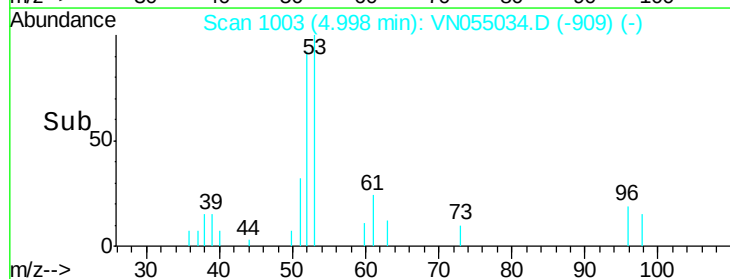
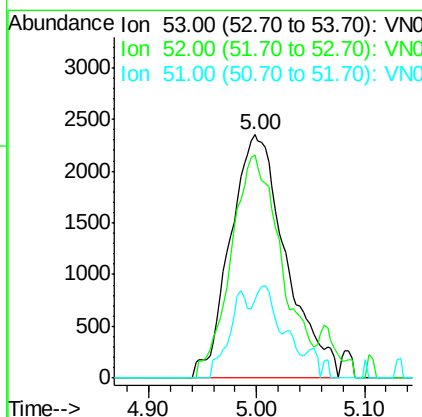
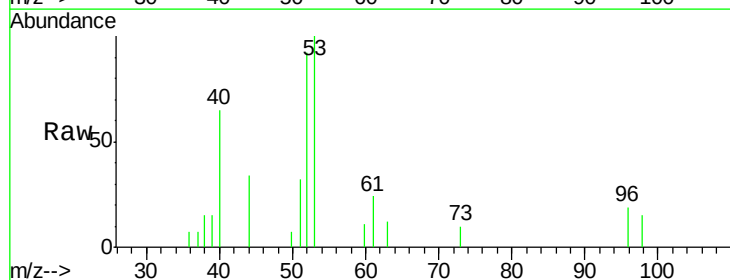
Manual Integrations
APPROVED

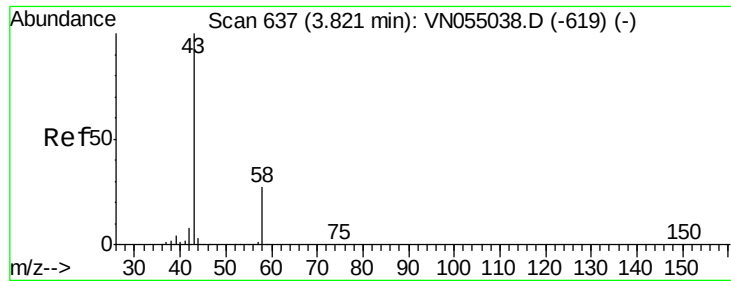
MMDadoda
4/17/2019 1:48:41 PM



#15
Acrylonitrile
Concen: 4.698 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.9	98.9
51	7.5	29.7	44.5#





#16

Acetone

Concen: 5.671 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Tot Ion: 43 Resp: 8224

Ion Ratio Lower Upper

43 100

58 24.3 20.9 31.3

Instrument :

MSVOA_N

ClientSampleId :

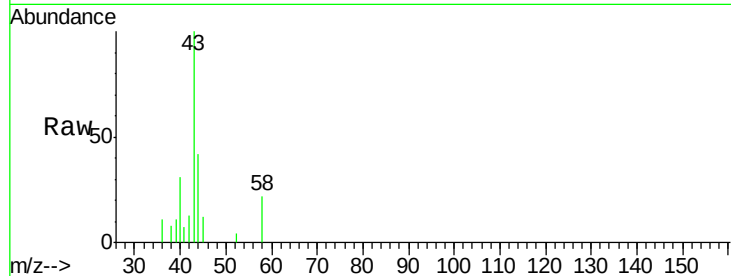
VSTDIC001

Manual Integrations

APPROVED

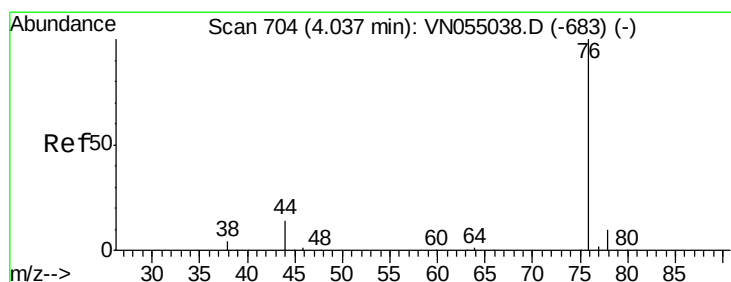
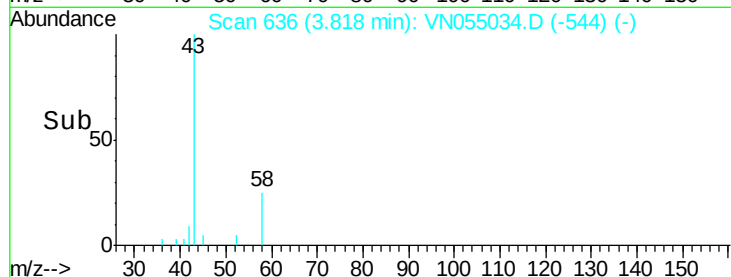
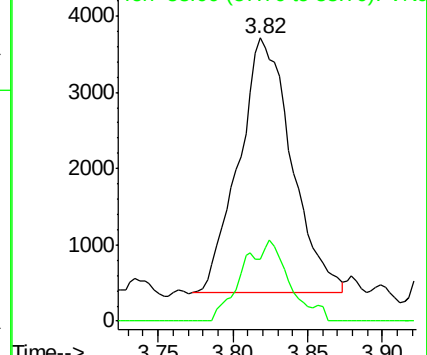
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 1.173 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN055034.D

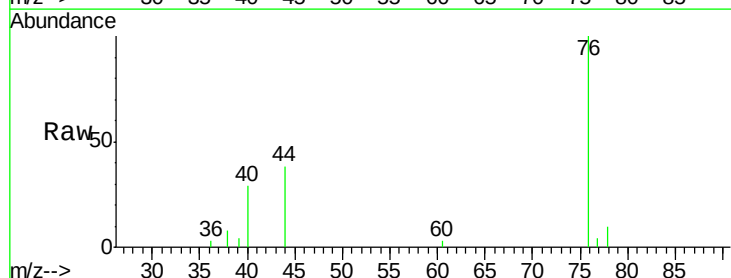
Acq: 15 Apr 2019 9:15

Tgt Ion: 76 Resp: 12422

Ion Ratio Lower Upper

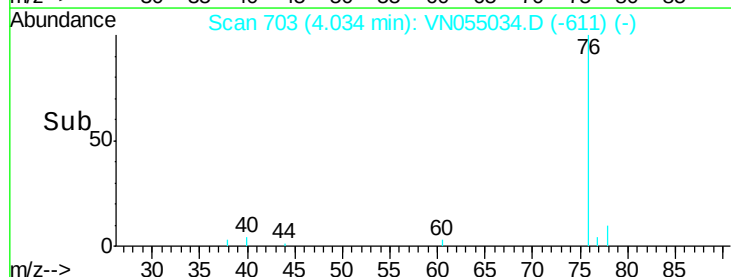
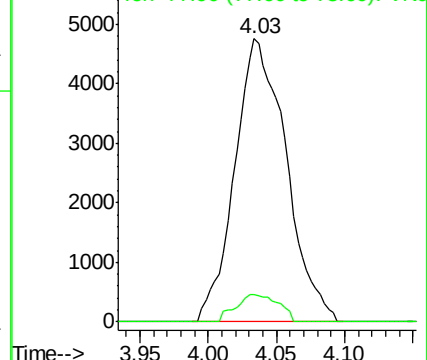
76 100

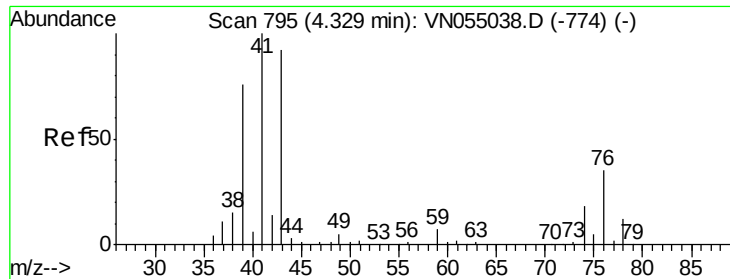
78 9.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





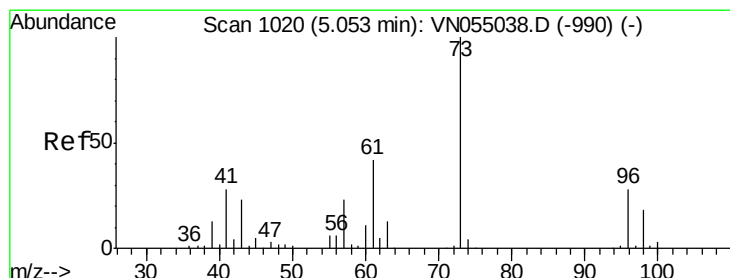
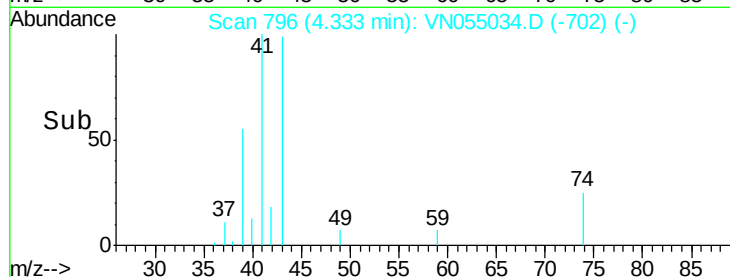
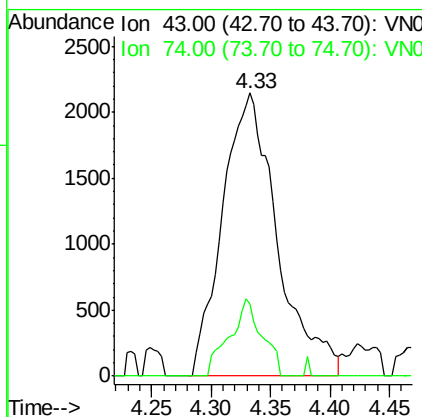
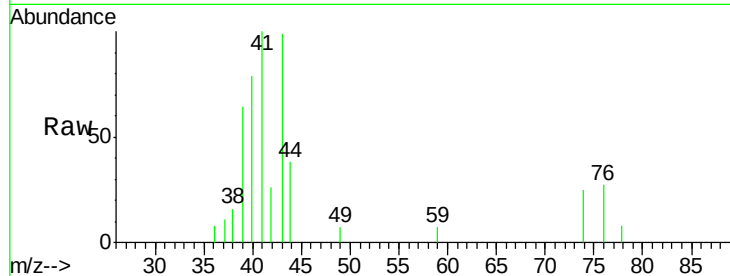
#18
Methyl Acetate
Concen: 1.527 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 6864
Ion Ratio Lower Upper
43 100
74 16.1 16.1 24.1#

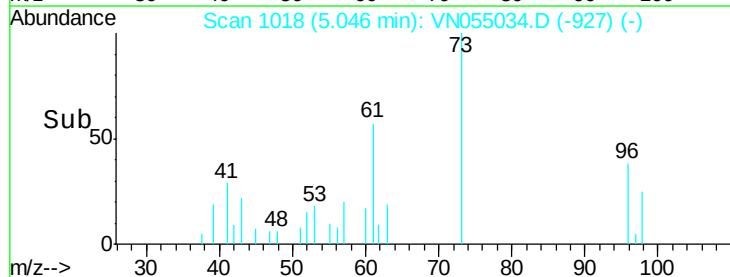
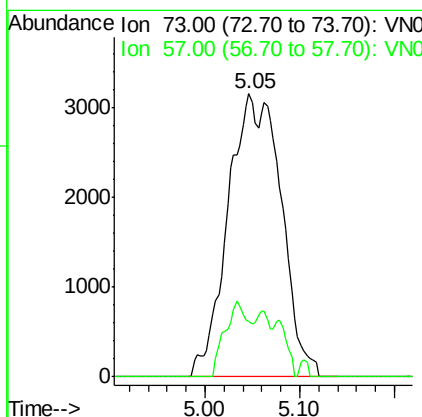
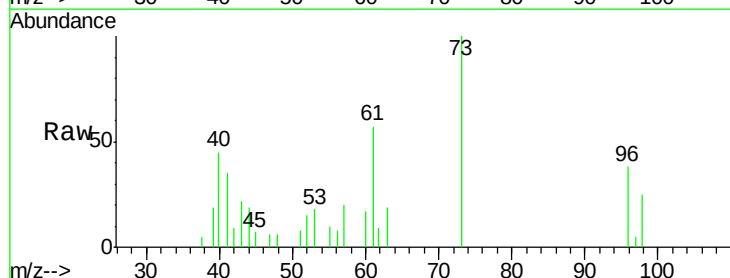
Manual Integrations
APPROVED

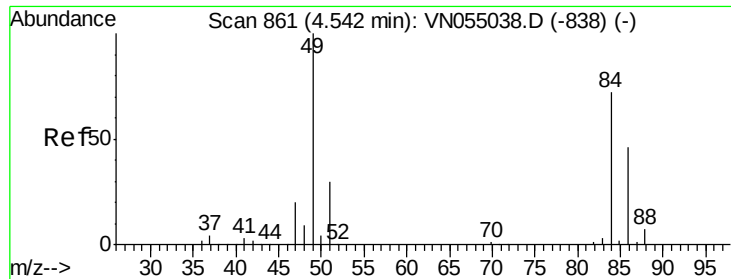
MMDadoda
4/17/2019 1:48:41 PM



#19
Methyl tert-butyl Ether
Concen: 1.052 ug/l m
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion: 73 Resp: 12228
Ion Ratio Lower Upper
73 100
57 19.7 19.0 28.4





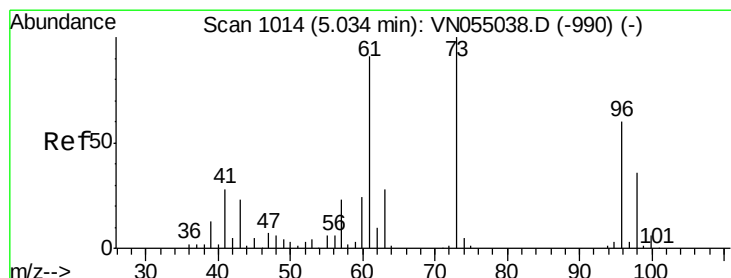
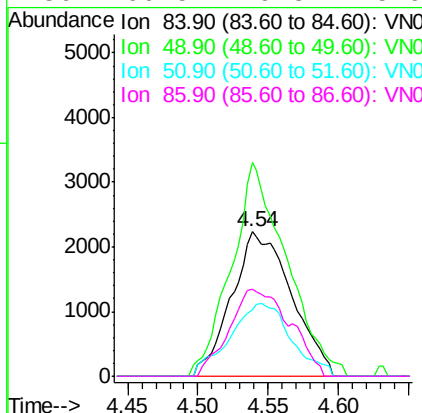
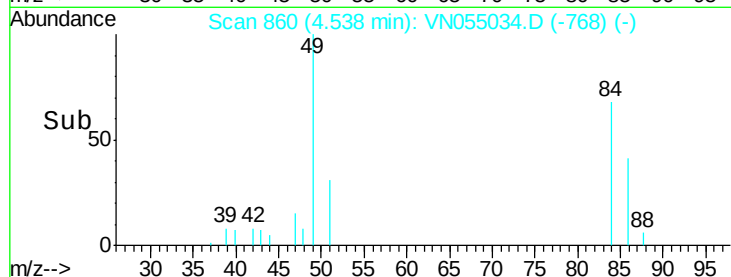
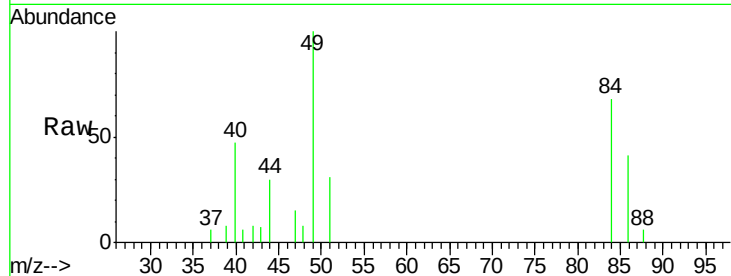
#20
Methvlene Chloride
Concen: 1.247 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:	84	Resp:	6625
Ion	Ratio	Lower	Upper
84	100		
49	148.1	109.4	164.2
51	46.5	32.2	48.4
86	60.5	49.3	73.9

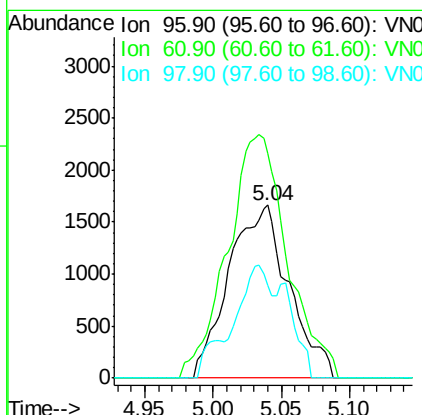
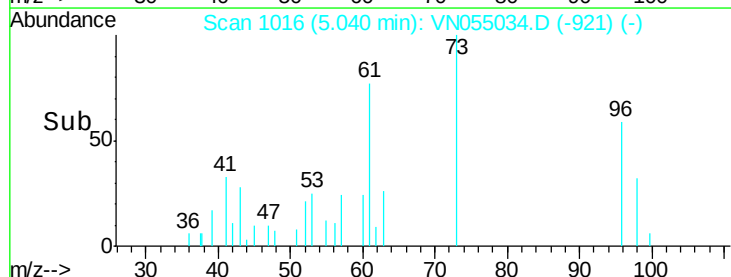
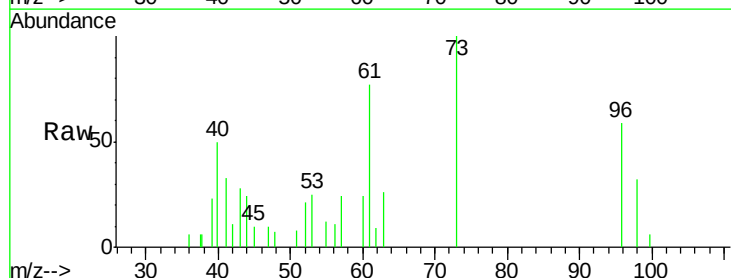
Manual Integrations
APPROVED

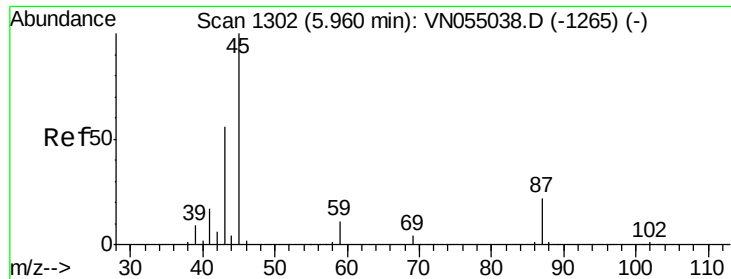
MMDadoda
4/17/2019 1:48:41 PM



#21
trans-1,2-Dichloroethene
Concen: 1.188 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion:	96	Resp:	5089
Ion	Ratio	Lower	Upper
96	100		
61	129.6	114.9	172.3
98	53.4	48.4	72.6





#22

Diisopropyl ether

Concen: 1.048 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

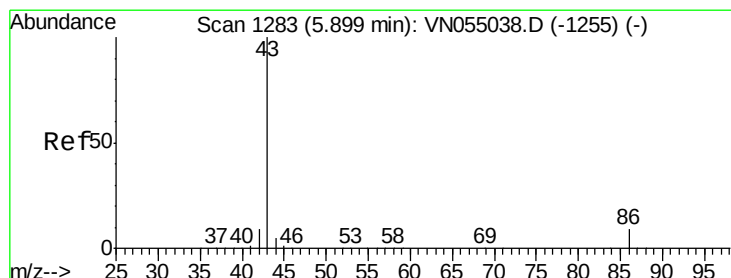
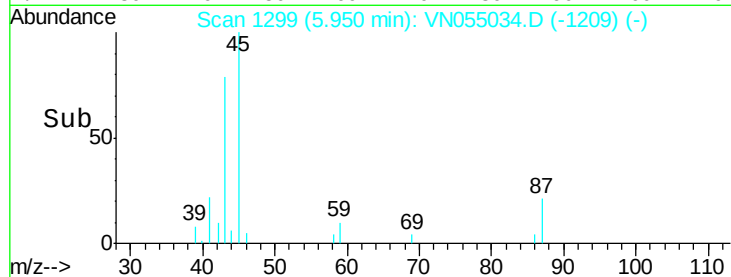
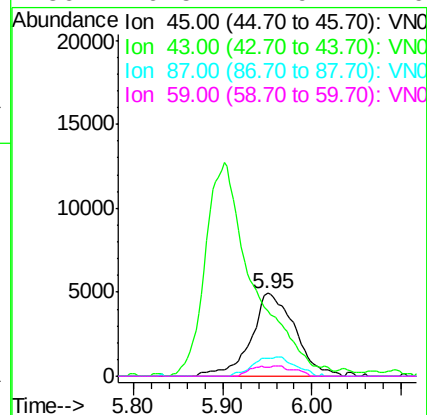
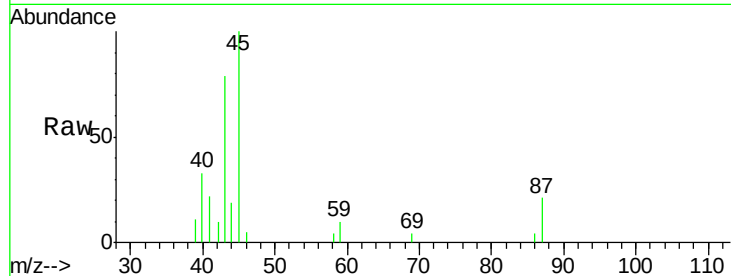
ClientSampleId :

VSTDIC001

Tot Ion	45	Resp	16883
Ion Ratio	Lower	Upper	
45	100		
43	70.3	44.8	67.2#
87	21.3	18.9	28.3
59	10.5	7.9	11.9

Manual Integrations
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4/17/2019 1:48:41 PM



#23

Vinyl Acetate

Concen: 4.189 ug/l

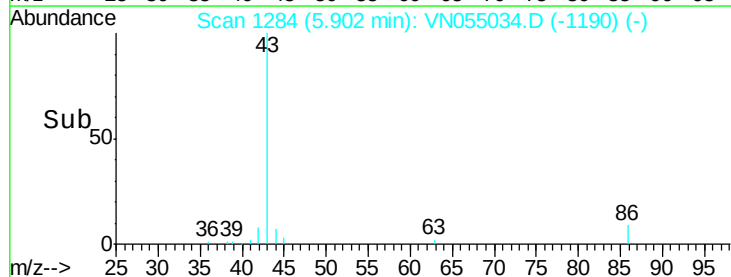
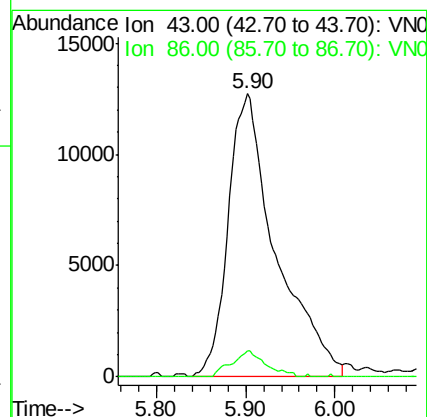
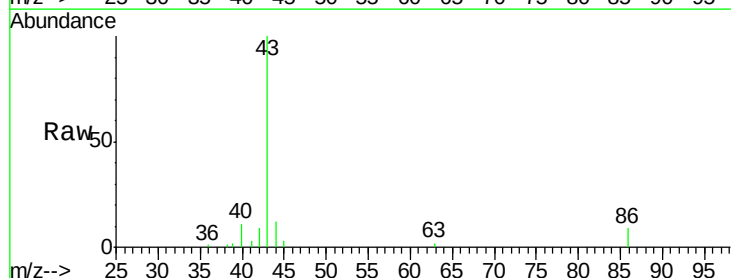
RT: 5.90 min Scan# 1284

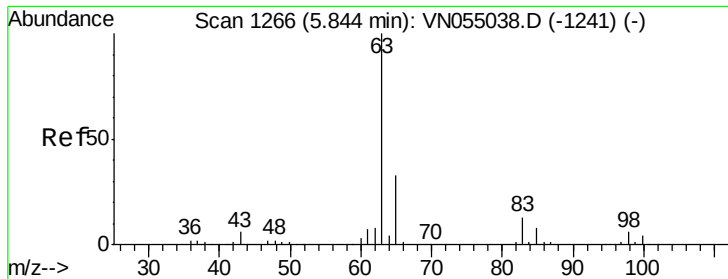
Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Tgt Ion	43	Resp	47207
Ion Ratio	Lower	Upper	
43	100		
86	9.2	7.0	10.4





#24

1,1-Dichloroethane

Concen: 1.066 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

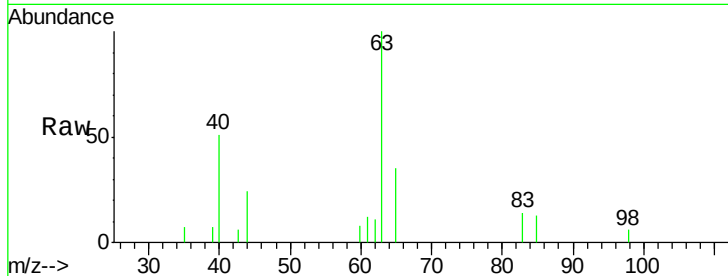
ClientSampleId :

VSTDIC001

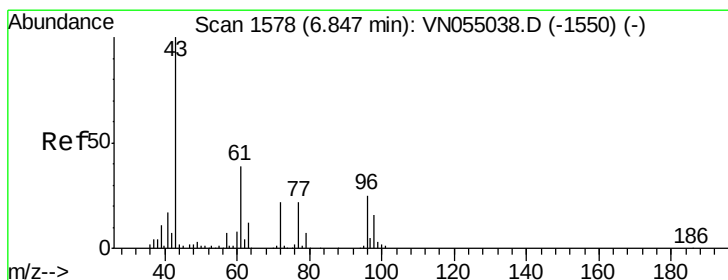
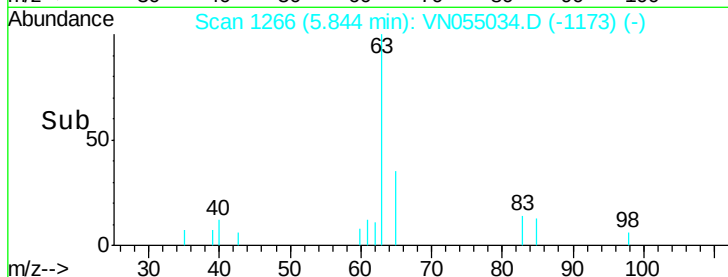
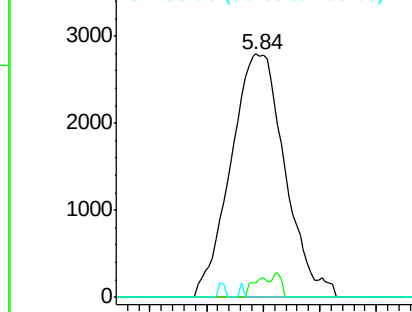
Tot Ion:	63	Resp:	9274
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.8	8.4
100	0.0	2.0	5.8#

Manual Integrations
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Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 4.299 ug/l

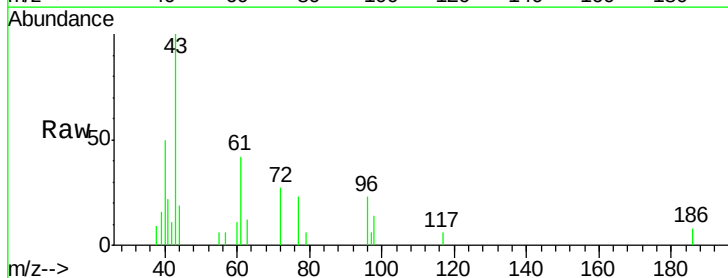
RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

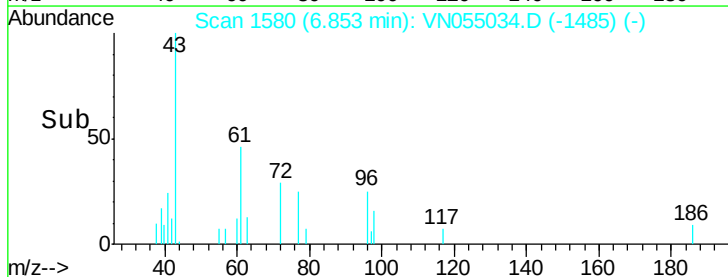
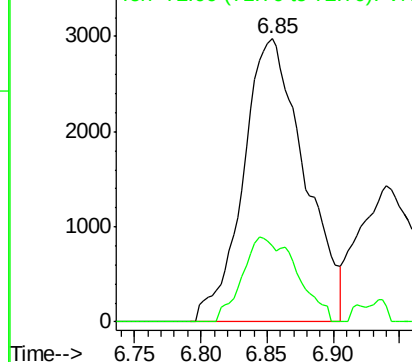
Lab File: VN055034.D

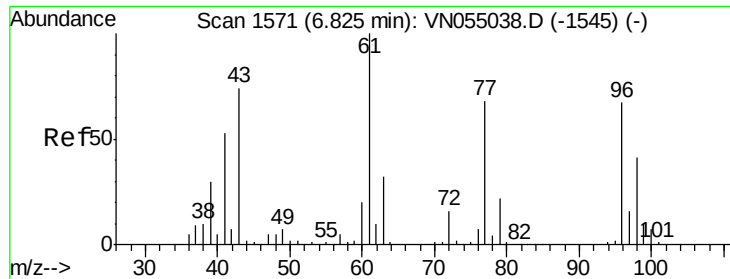
Acq: 15 Apr 2019 9:15

Tgt Ion:	43	Resp:	9602
Ion Ratio	Lower	Upper	
43	100		
72	26.8	18.1	27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





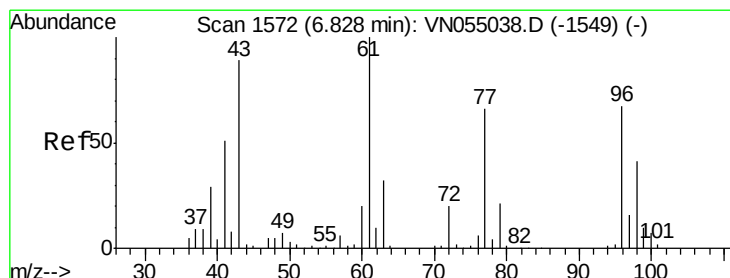
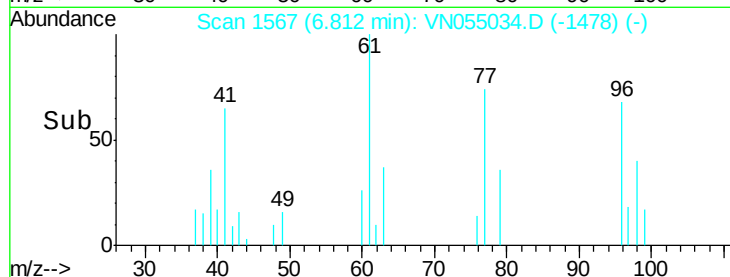
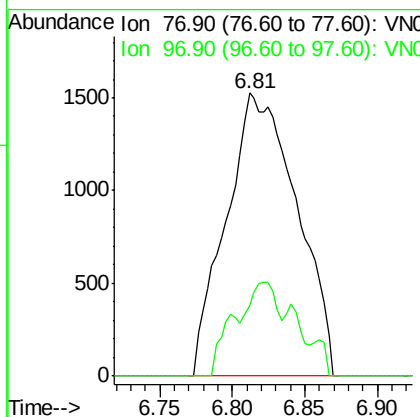
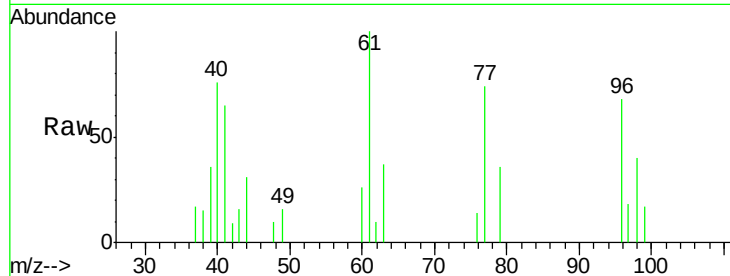
#26
 2,2-Dichloropropane
 Concen: 0.897 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 5164
 Ion Ratio Lower Upper
 77 100
 97 7.2 11.3 33.9#

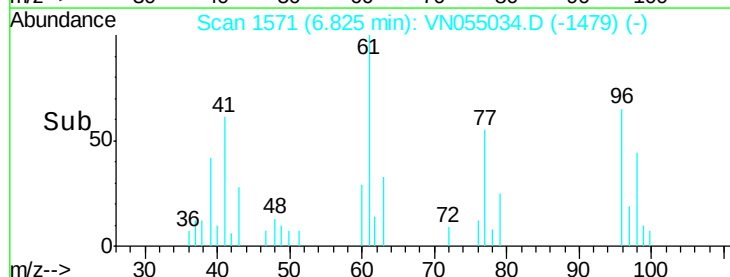
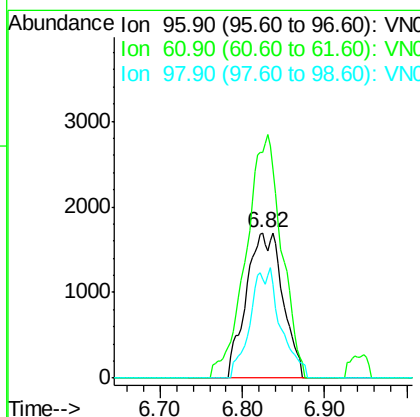
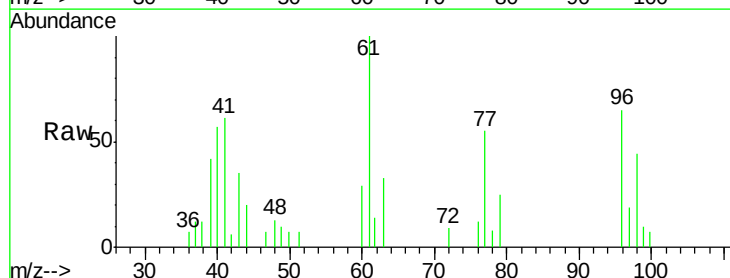
Manual Integrations
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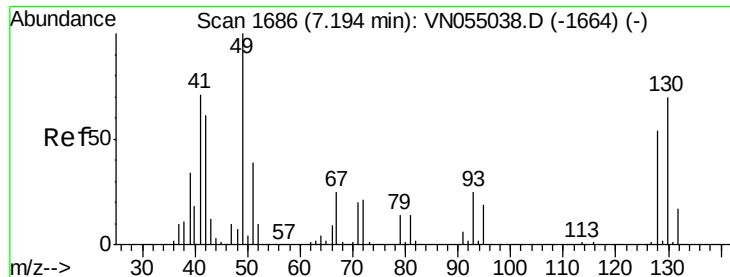
MMDadoda
 4/17/2019 1:48:41 PM



#27
 cis-1,2-Dichloroethene
 Concen: 1.050 ug/l m
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Tgt Ion: 96 Resp: 5228
 Ion Ratio Lower Upper
 96 100
 61 163.2 0.0 311.0
 98 33.2 0.0 127.4





#28

Bromochloromethane

Concen: 1.105 ug/l m

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 4563

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.0

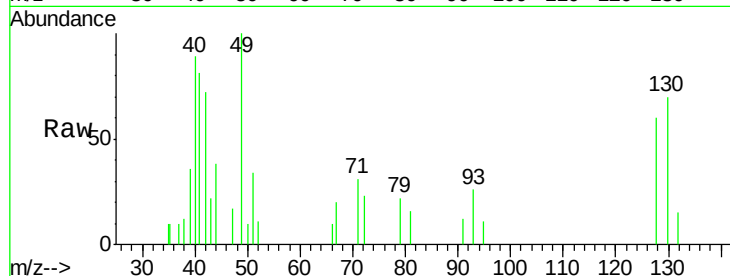
130 71.8 53.4 80.2

Manual Integrations

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MMDadoda

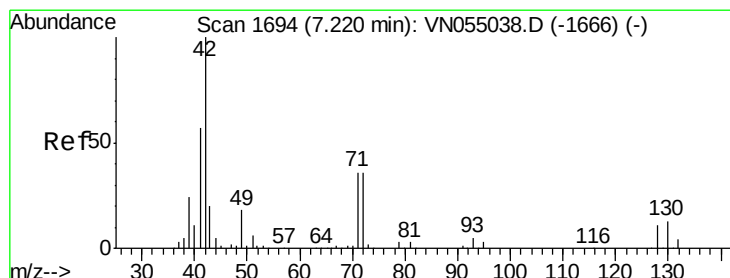
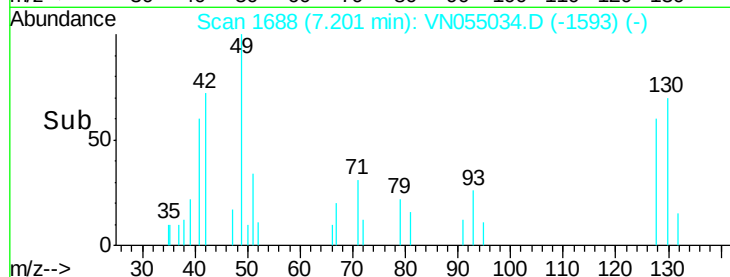
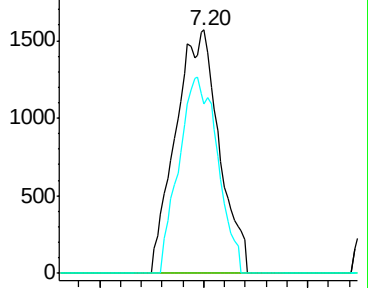
4/17/2019 1:48:41 PM



Abundance Ion 48.90 (48.60 to 49.60): VN055038.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN055038.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN055038.D (-1664) (-)



#29

Tetrahydrofuran

Concen: 5.079 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

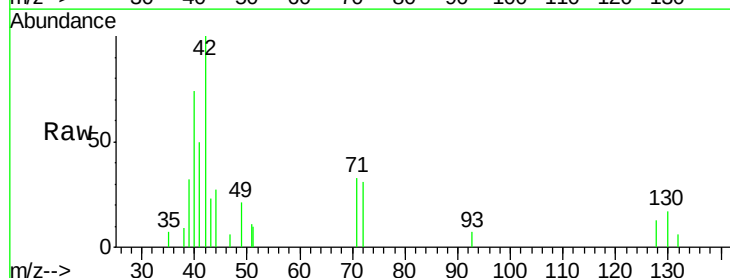
Tgt Ion: 42 Resp: 7437

Ion Ratio Lower Upper

42 100

72 31.7 29.4 44.0

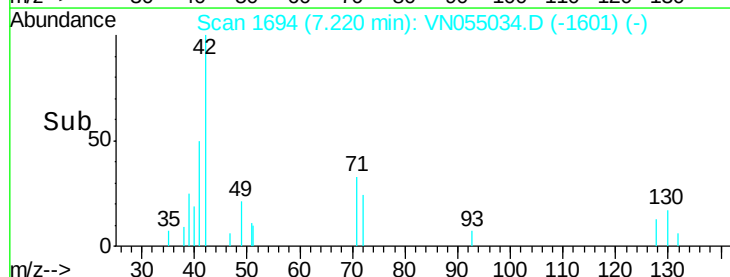
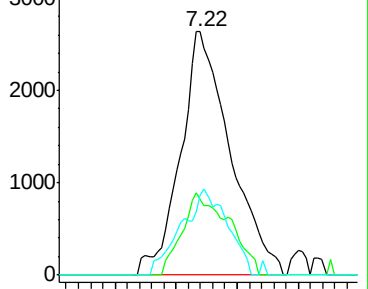
71 32.7 27.8 41.6

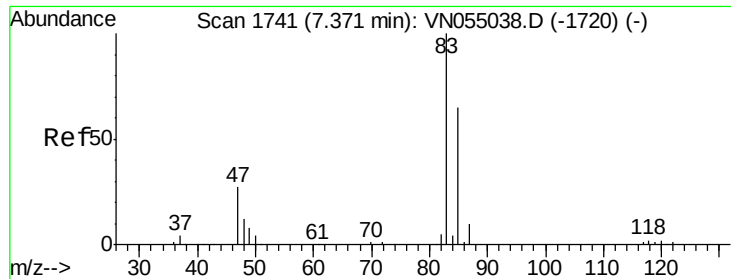


Abundance Ion 42.00 (41.70 to 42.70): VN055038.D (-1666) (-)

Ion 72.00 (71.70 to 72.70): VN055038.D (-1666) (-)

Ion 71.00 (70.70 to 71.70): VN055038.D (-1666) (-)





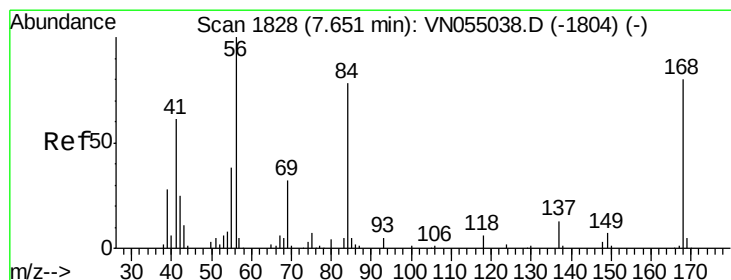
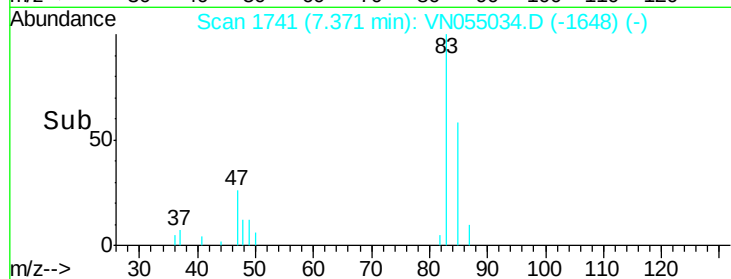
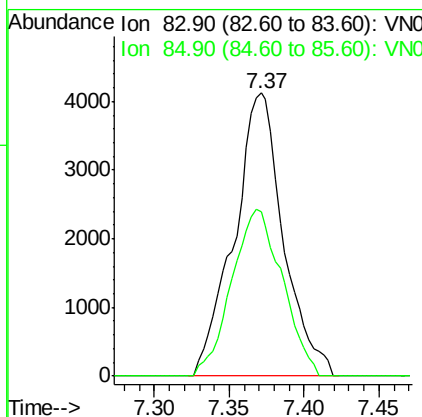
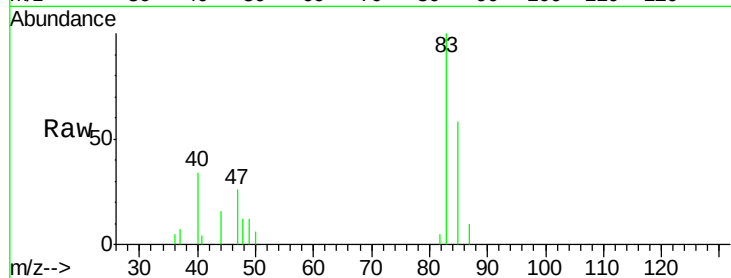
#30
Chloroform
Concen: 1.141 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	9468
Ion Ratio	100	Lower	Upper
85	58.2	51.8	77.6

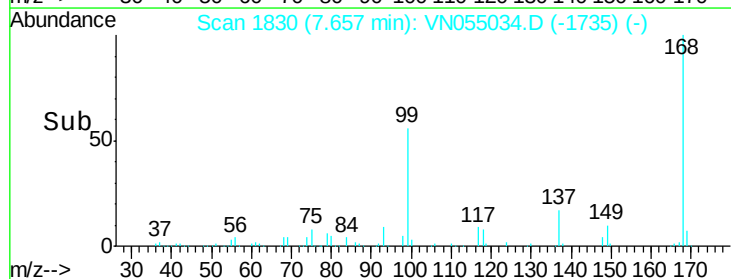
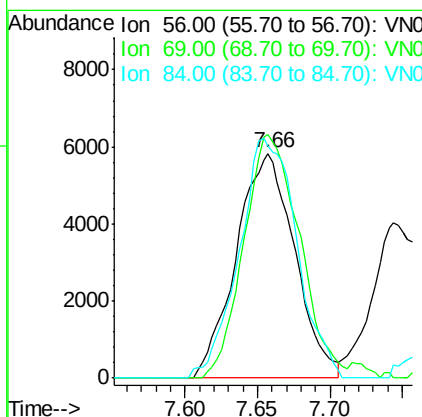
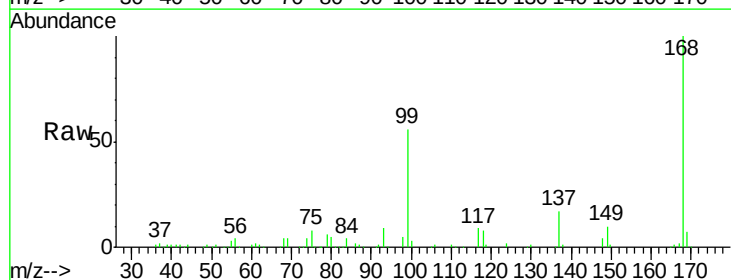
Manual Integrations
APPROVED

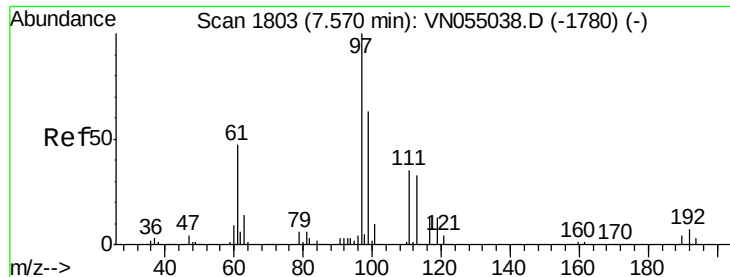
MMDadoda
4/17/2019 1:48:41 PM



#31
Cyclohexane
Concen: 1.704 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion	56	Resp	16321
Ion Ratio	100	Lower	Upper
69	108.4	24.5	36.7#
84	103.1	62.9	94.3#





#32

1,1,1-Trichloroethane

Concen: 1.098 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.01 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 7260

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

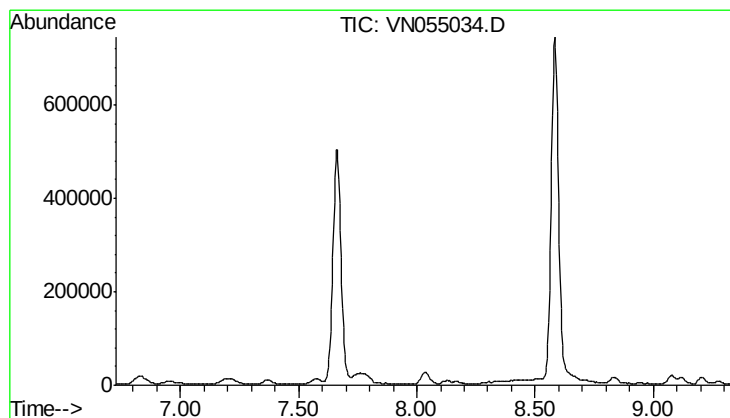
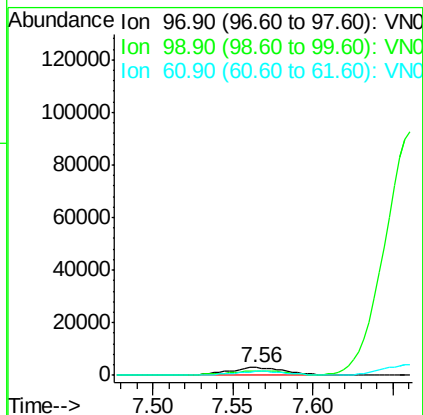
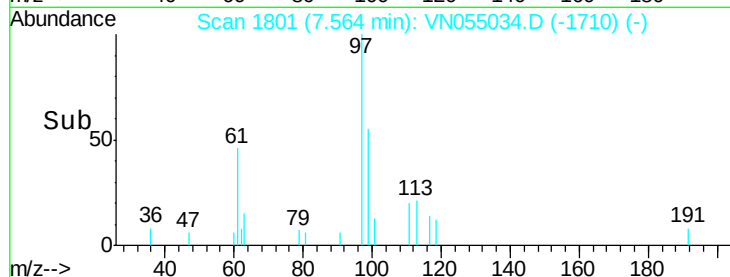
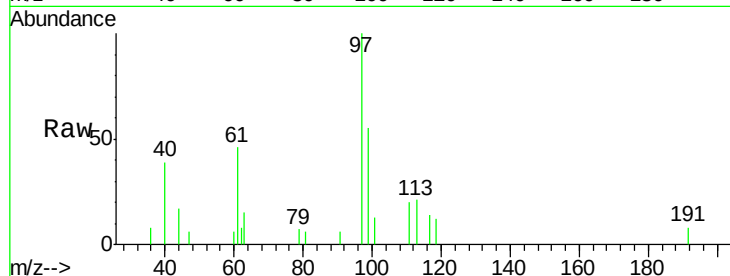
61 51.0 38.3 57.5

Manual Integrations

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4/17/2019 1:48:41 PM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN055034.D

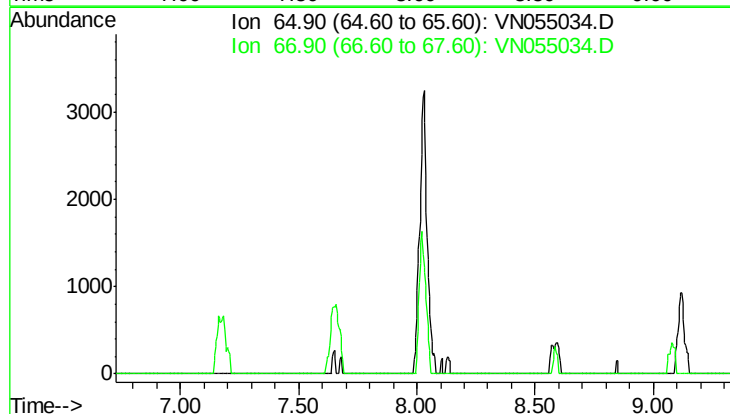
Acq: 15 Apr 2019 9:15

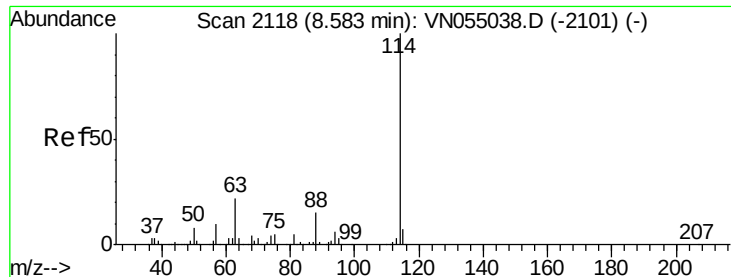
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.2





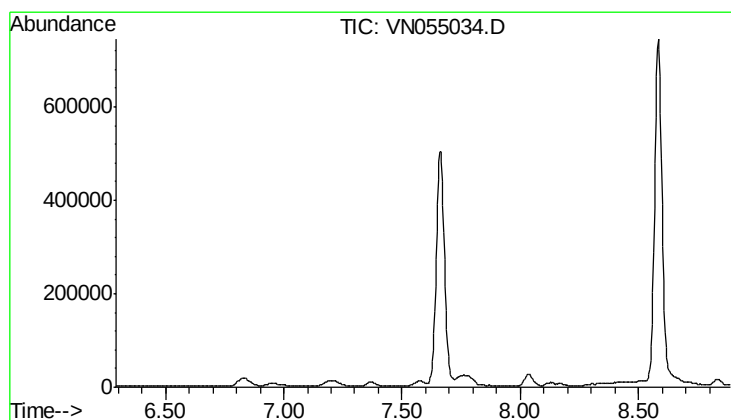
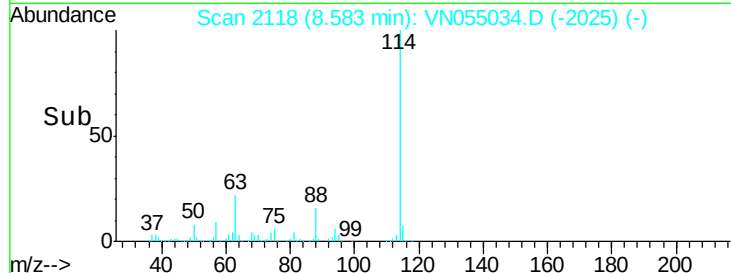
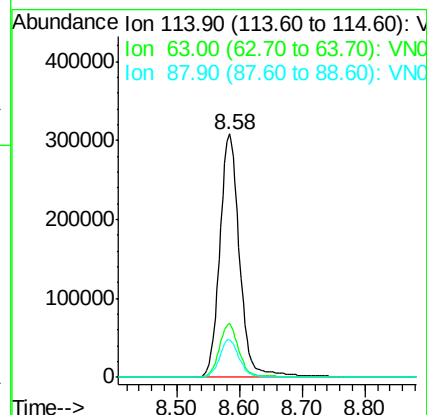
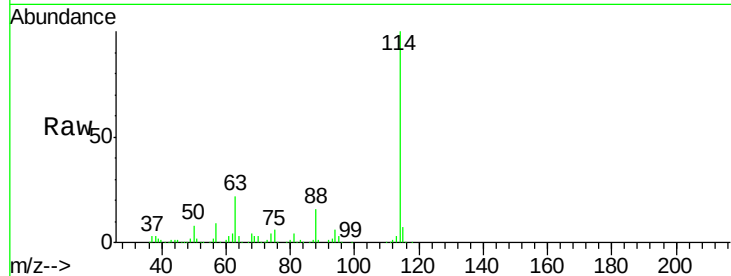
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	22.2	0.0	45.2
88	15.7	0.0	31.8

Manual Integrations
 APPROVED

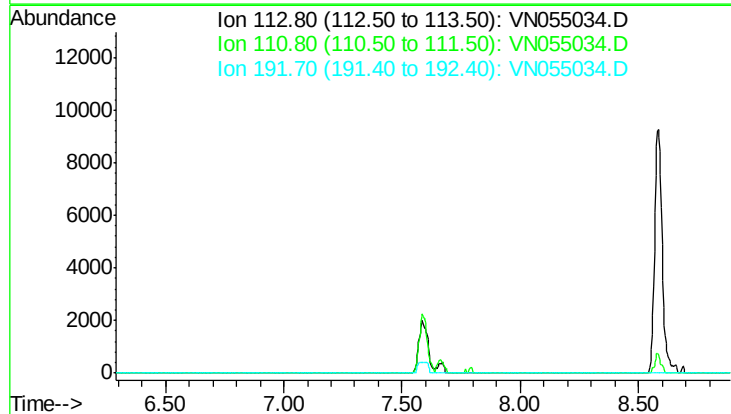
MMDadoda
 4/17/2019 1:48:41 PM

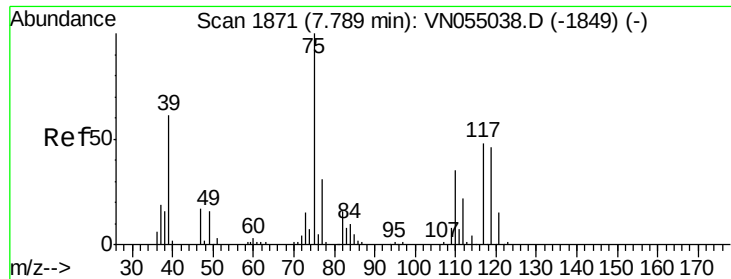


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min

Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Tgt Ion	Exp Ratio
113	100
111	102.6
192	20.6





#36

1,1-Dichloropropene

Concen: 1.162 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 7296

Ion Ratio Lower Upper

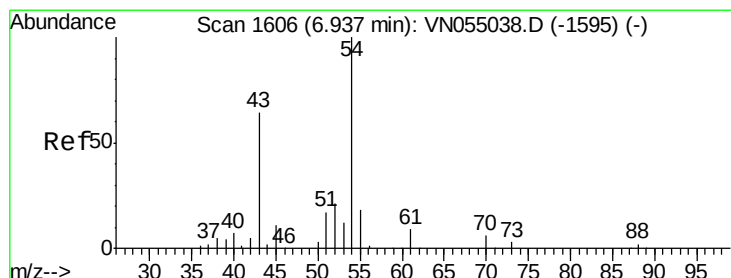
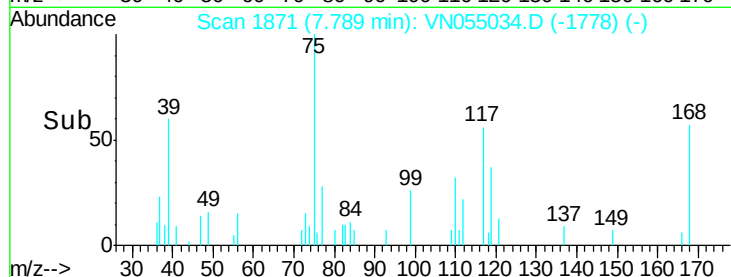
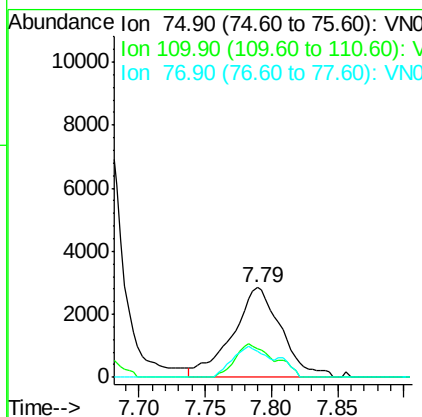
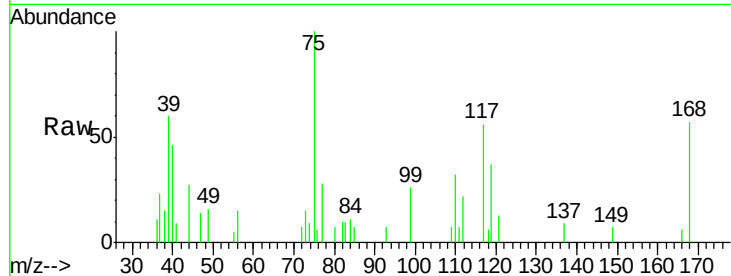
75 100

110 30.1 17.5 52.5

77 24.0 24.9 37.3#

Manual Integrations
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#37

Ethyl Acetate

Concen: 1.380 ug/l m

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

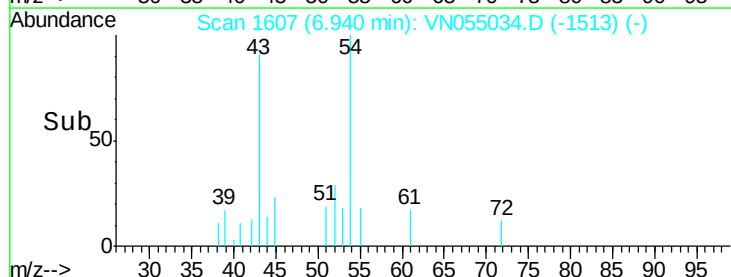
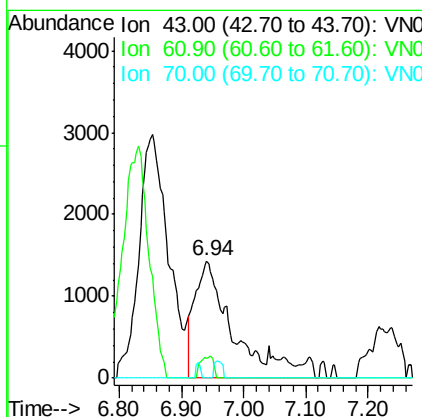
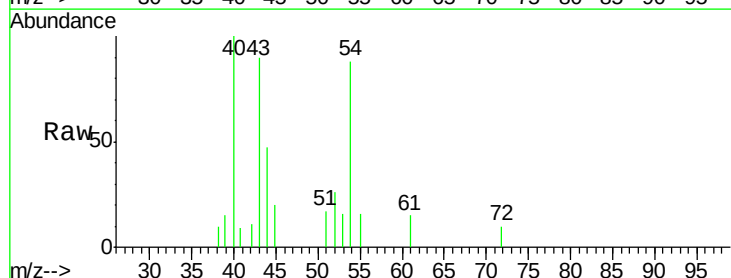
Tgt Ion: 43 Resp: 6506

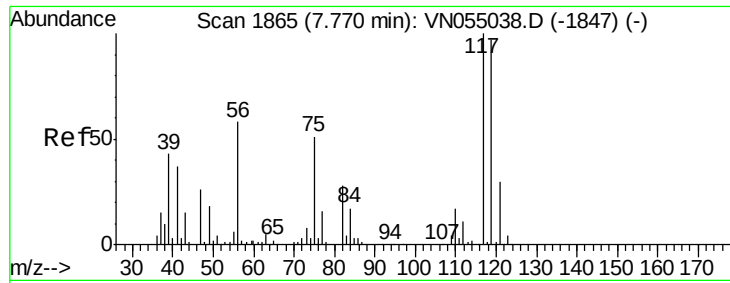
Ion Ratio Lower Upper

43 100

61 6.0 10.0 15.0#

70 1.5 7.1 10.7#





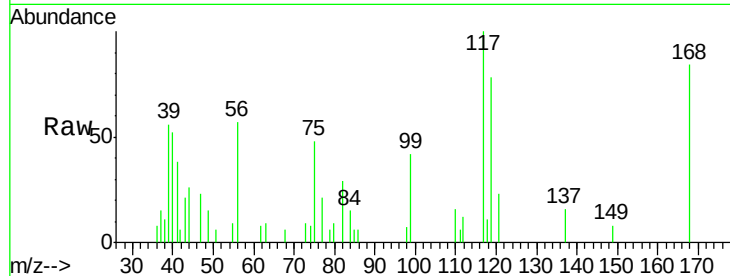
#38
Carbon Tetrachloride
Concen: 1.249 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	77.9	76.3	114.5
121	22.6	23.9	35.9#

Manual Integrations
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4/17/2019 1:48:41 PM

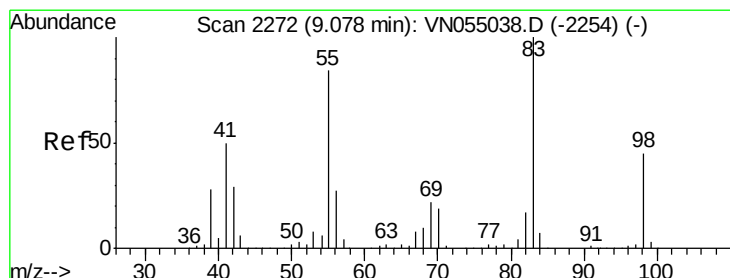
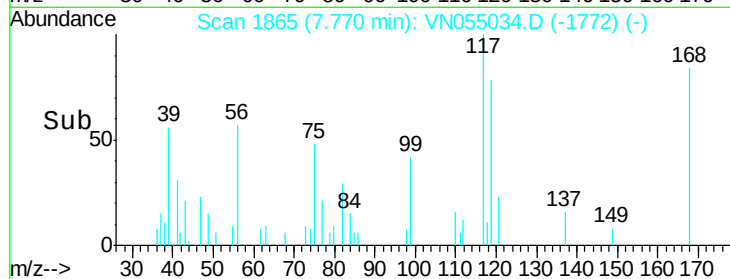
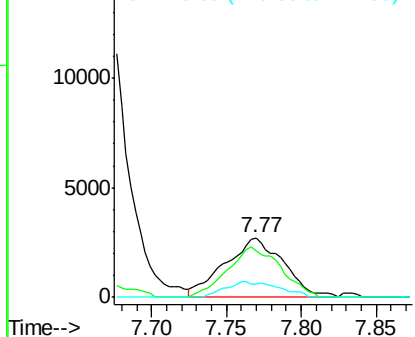


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39
Methylcyclohexane
Concen: 1.021 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

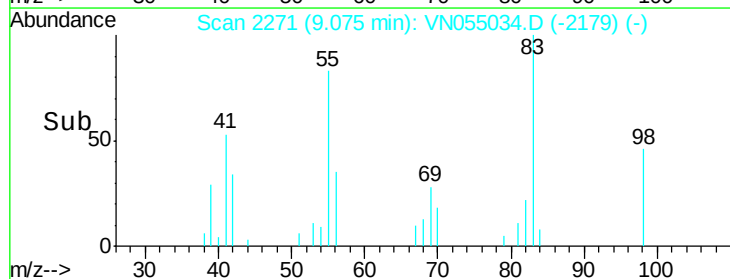
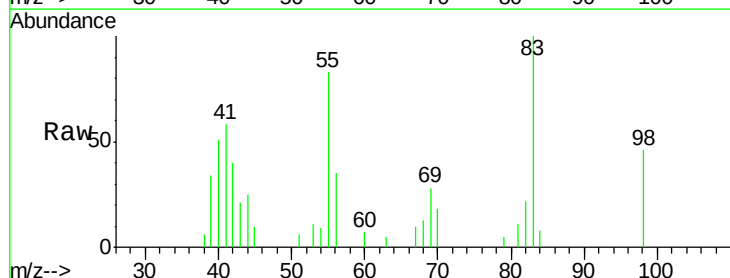
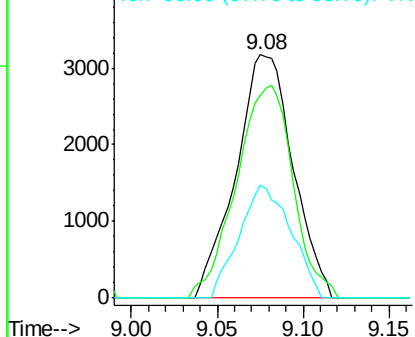
Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.2	67.0	100.4
98	46.3	35.6	53.4

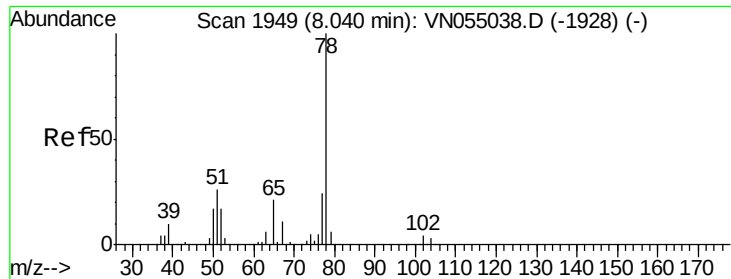
Abundance

Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 1.028 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 19521

Ion Ratio Lower Upper

78 100

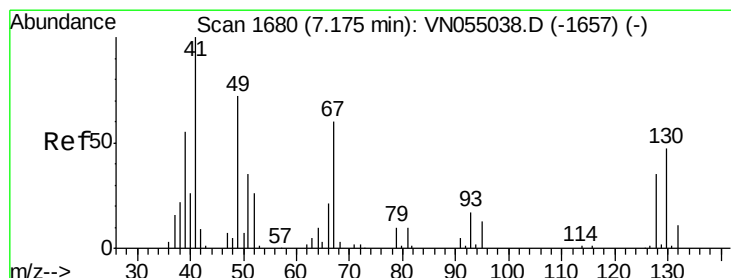
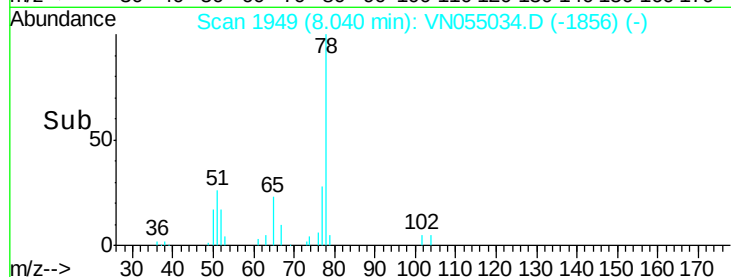
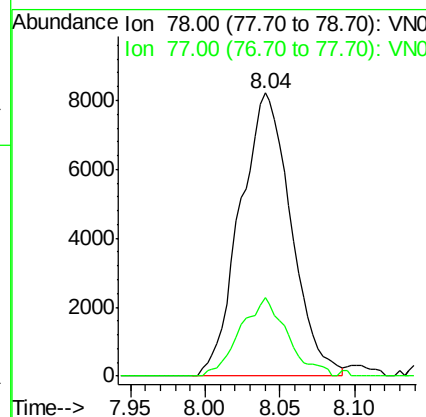
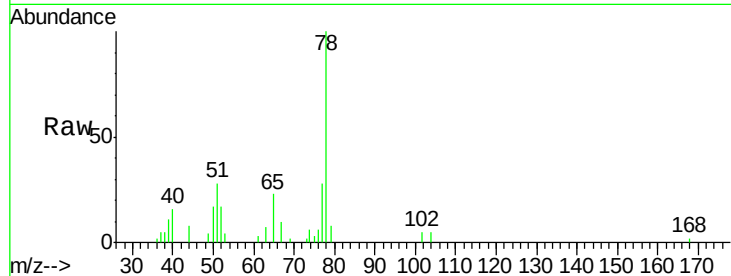
77 27.7 18.8 28.2

Manual Integrations

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MMDadoda

4/17/2019 1:48:41 PM



#41

Methacrylonitrile

Concen: 0.975 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Tgt Ion: 41 Resp: 2829

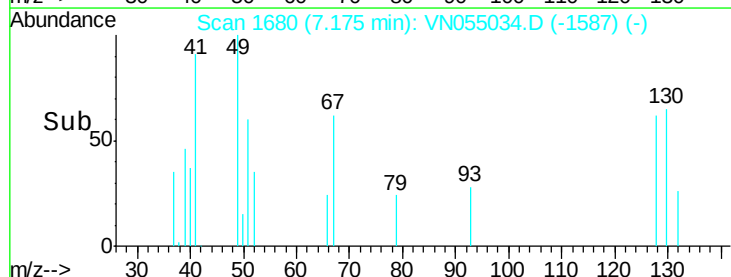
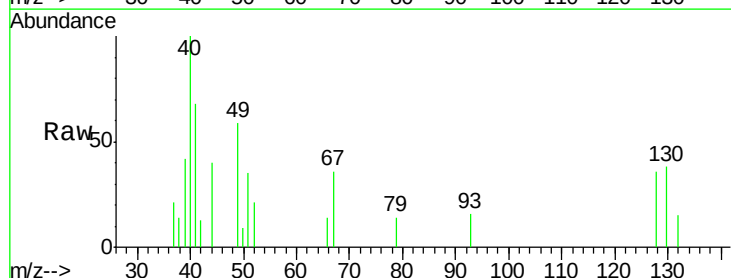
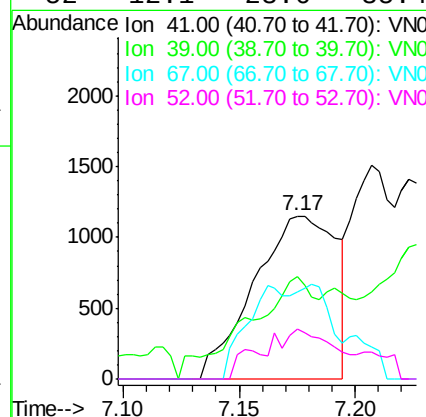
Ion Ratio Lower Upper

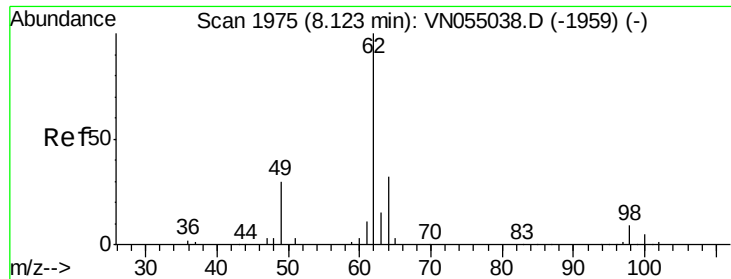
41 100

39 53.0 45.6 68.4

67 0.0 57.0 85.6#

52 12.1 23.6 35.4#





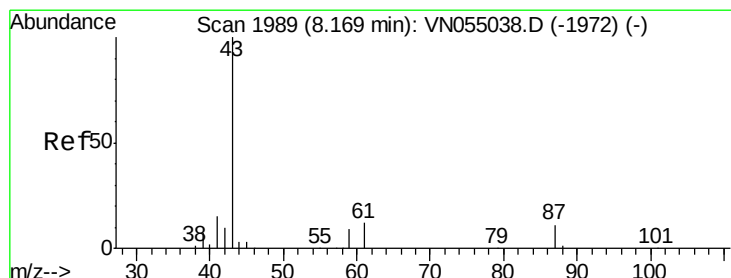
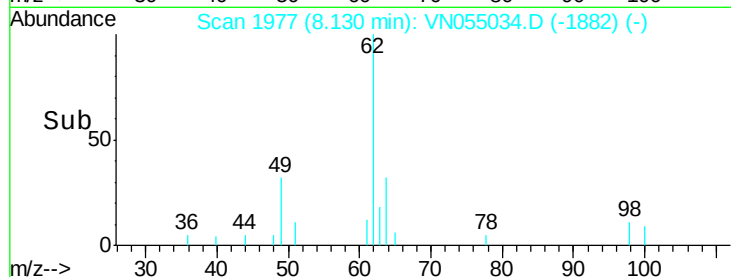
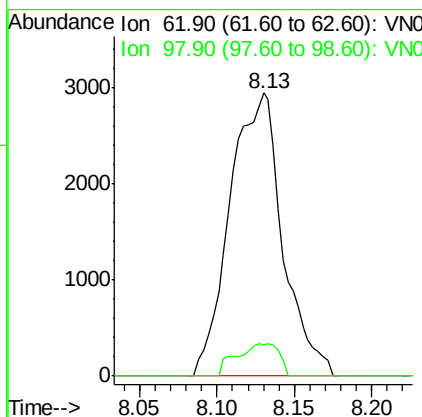
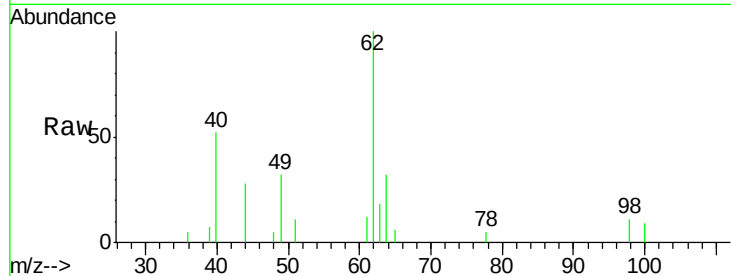
#42
 1,2-Dichloroethane
 Concen: 1.045 ug/l
 RT: 8.13 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.4

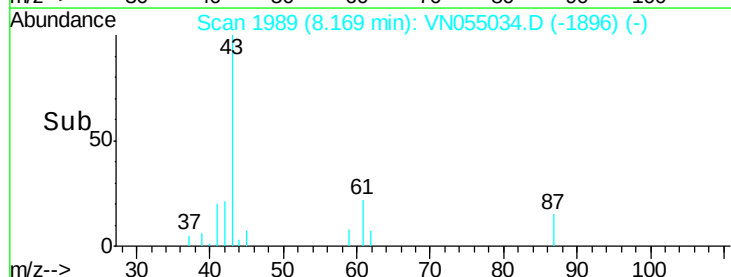
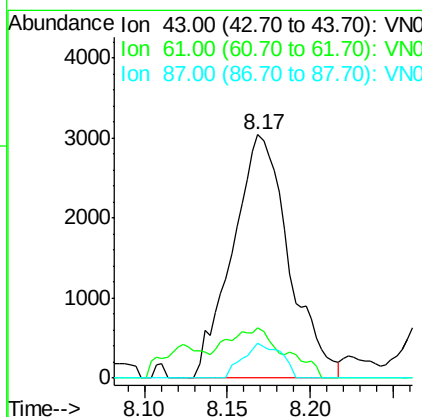
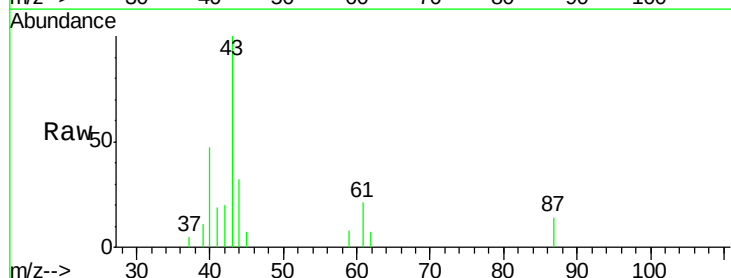
Manual Integrations
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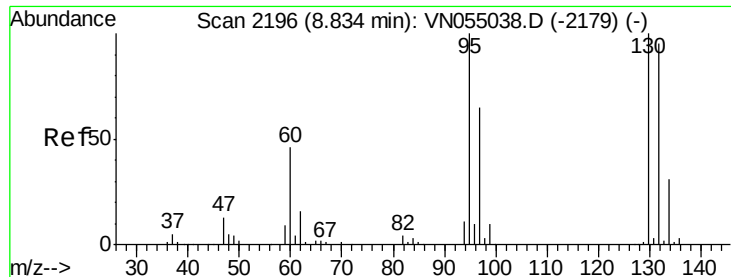
MMDadoda
 4/17/2019 1:48:41 PM



#43
 Isopropyl Acetate
 Concen: 0.892 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.6	14.3	21.5#
87	9.6	8.6	13.0





#44

Trichloroethene

Concen: 0.965 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 4680

Ion Ratio Lower Upper

130 100

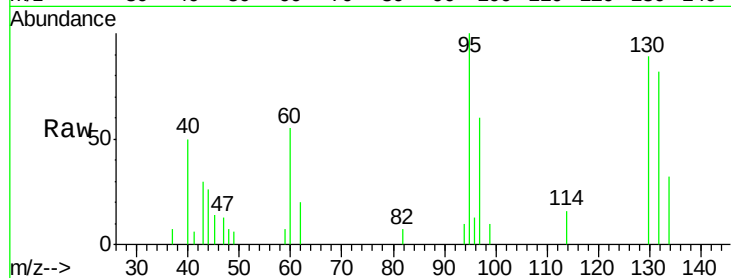
95 104.9 0.0 201.6

Manual Integrations

APPROVED

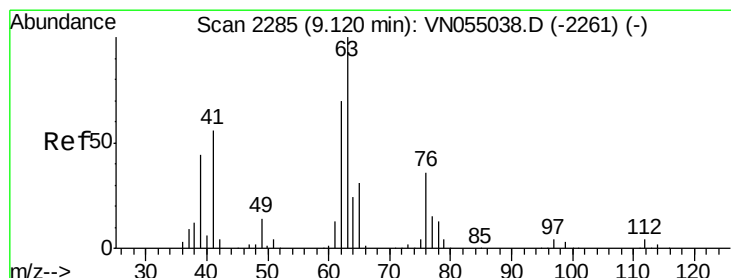
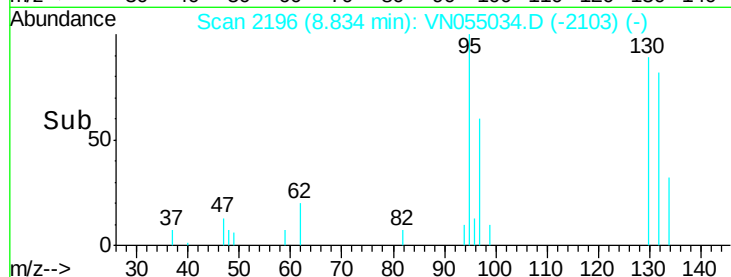
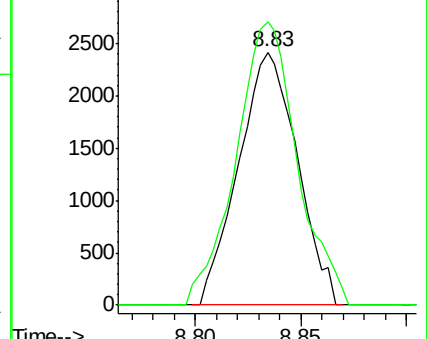
MMDadoda

4/17/2019 1:48:41 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 1.056 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055034.D

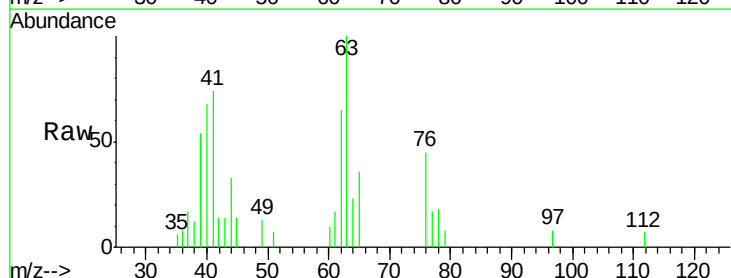
Acq: 15 Apr 2019 9:15

Tgt Ion: 63 Resp: 5658

Ion Ratio Lower Upper

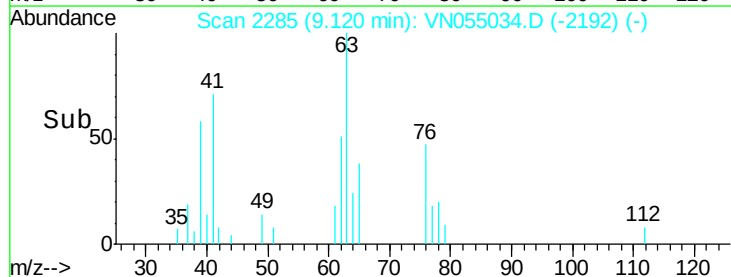
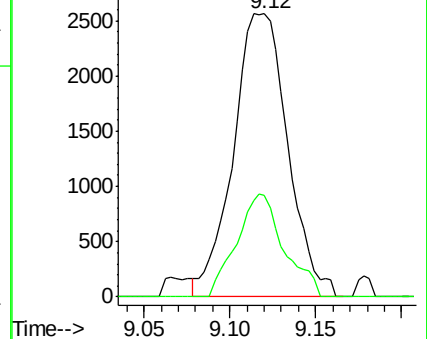
63 100

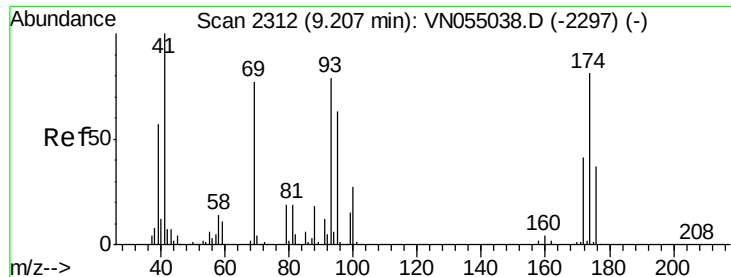
65 36.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





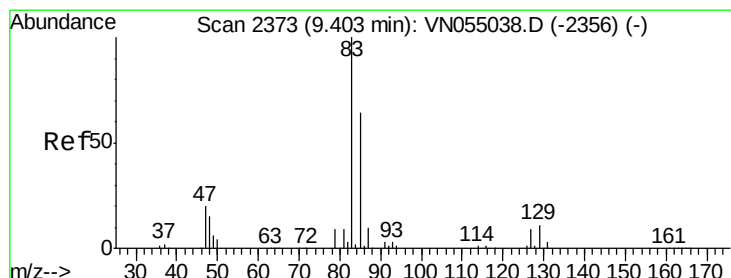
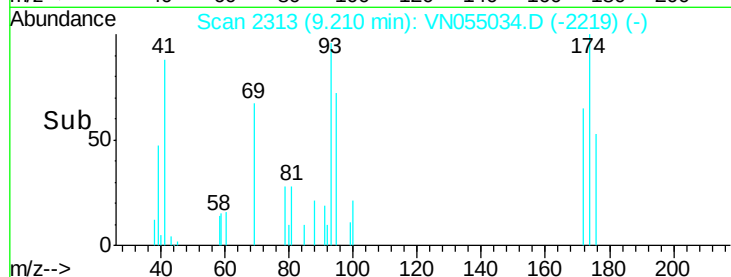
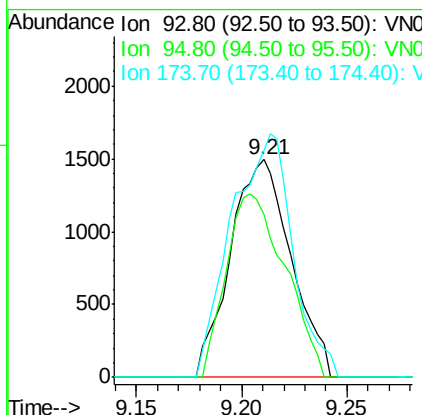
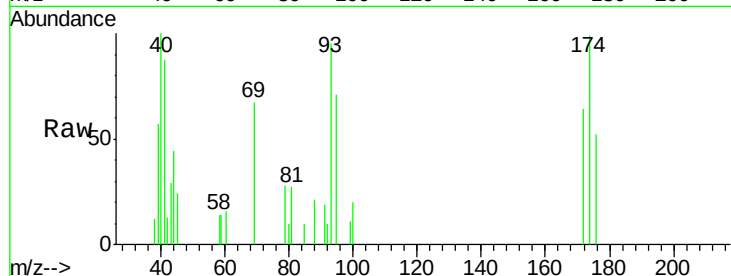
#46
Dibromomethane
Concen: 0.973 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.0	97.6
174	113.2	81.0	121.6

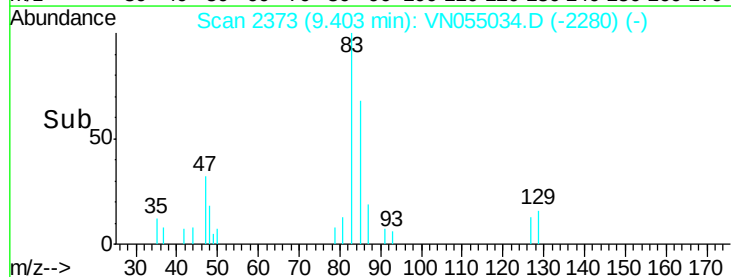
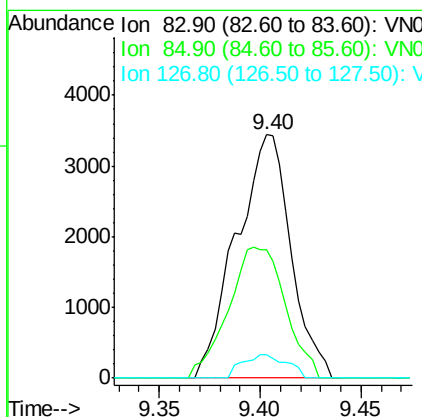
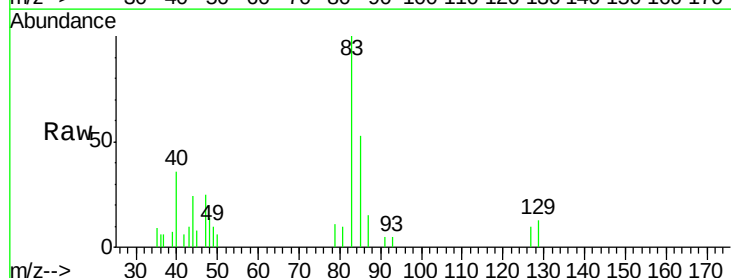
Manual Integrations
APPROVED

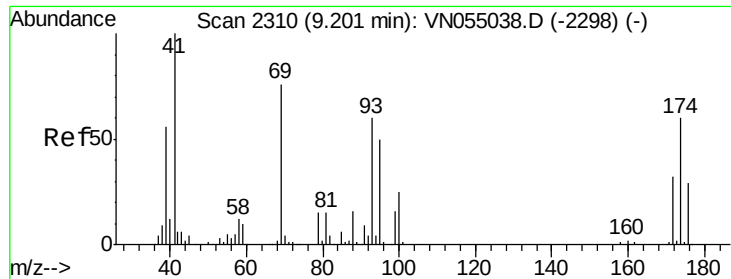
MMDadoda
4/17/2019 1:48:41 PM



#47
Bromodichloromethane
Concen: 1.040 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.7	51.2	76.8
127	9.7	6.8	10.2





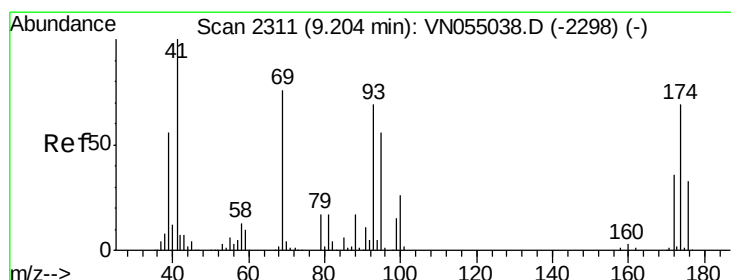
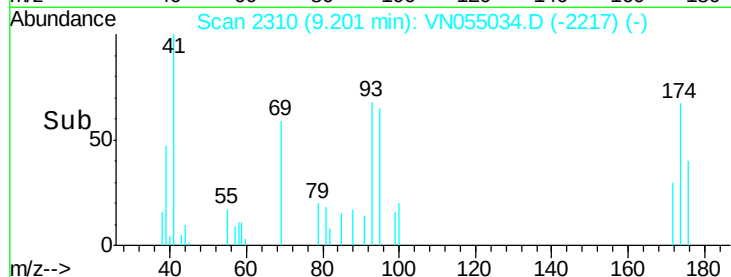
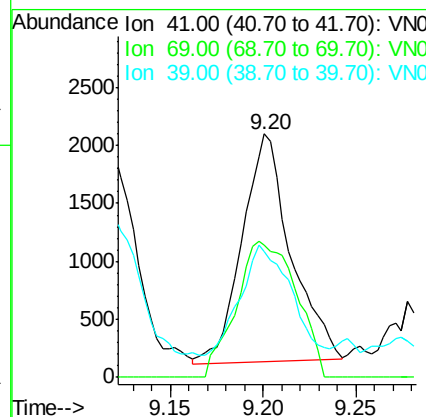
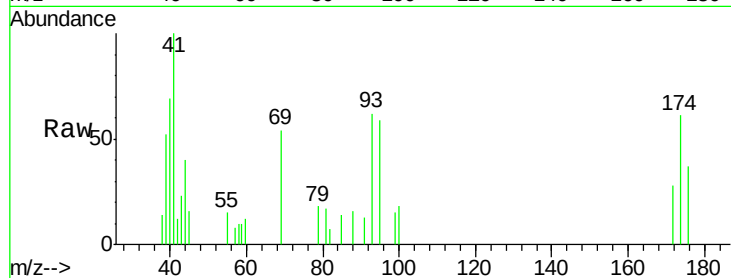
#48
Methvl methacrylate
Concen: 0.866 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	73.4	60.5	90.7
39	57.0	43.9	65.9

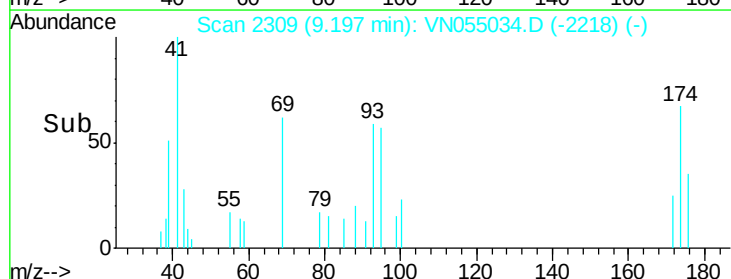
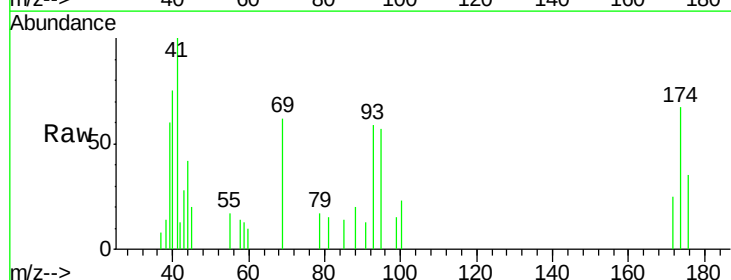
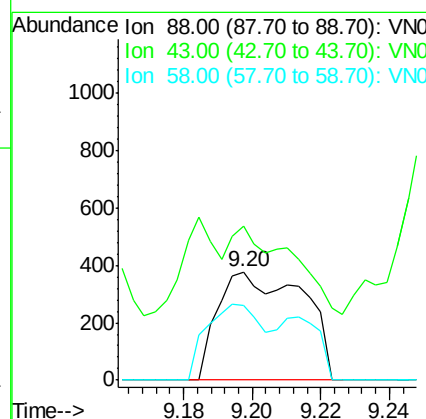
Manual Integrations
APPROVED

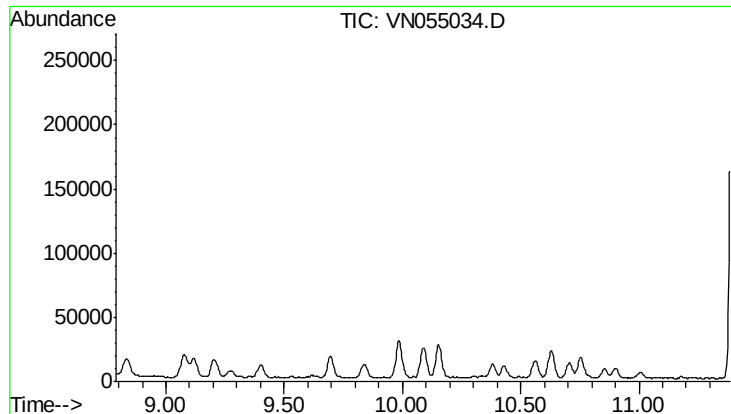
MMDadoda
4/17/2019 1:48:41 PM



#49
1,4-Dioxane
Concen: 14.402 ug/l m
RT: 9.20 min Scan# 2309
Delta R.T. -0.01 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion	Ratio	Lower	Upper
88	100		
43	58.2	31.8	47.8#
58	44.9	61.6	92.4#





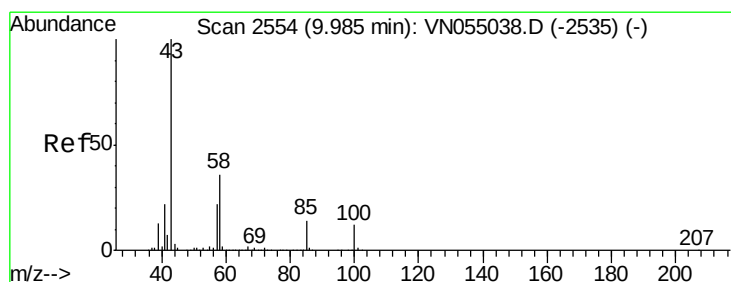
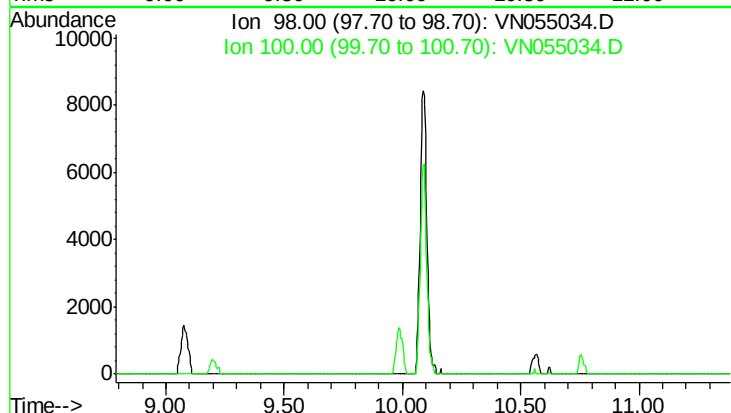
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.9

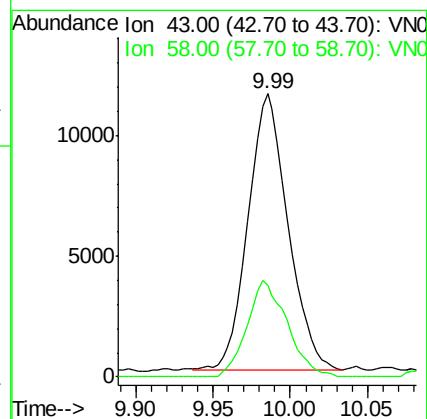
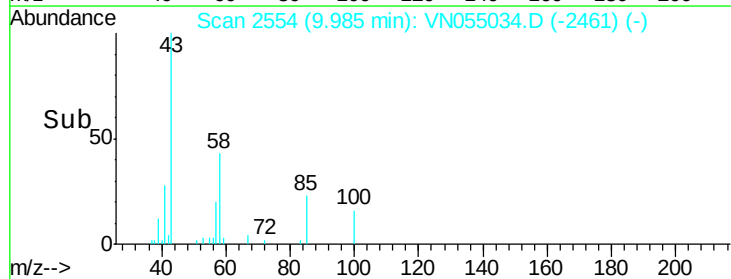
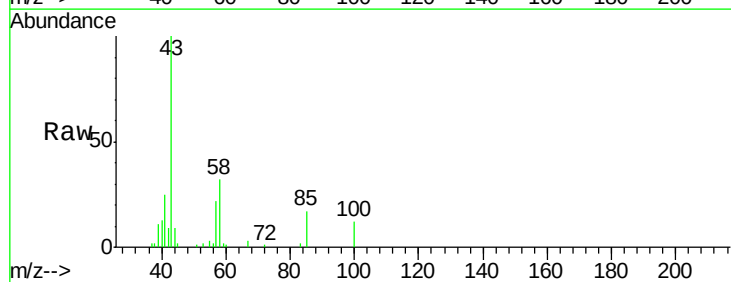
Manual Integrations
APPROVED

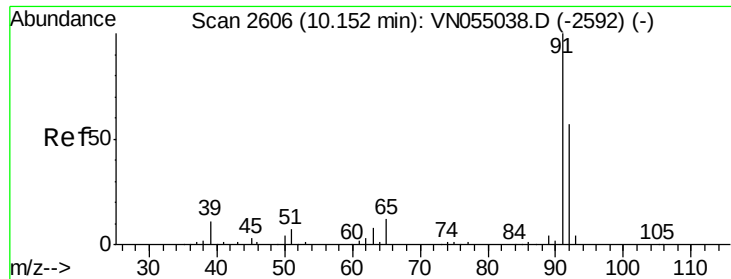
MMDadoda
4/17/2019 1:48:41 PM



#51
4-Methyl-2-Pentanone
Concen: 4.359 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion: 43 Resp: 20569
Ion Ratio Lower Upper
43 100
58 35.0 29.0 43.4





#52

Toluene

Concen: 0.926 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 10396

Ion Ratio Lower Upper

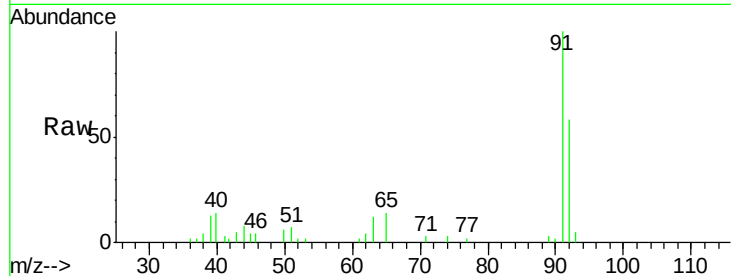
92 100

91 180.6 140.8 211.2

Manual Integrations
APPROVED

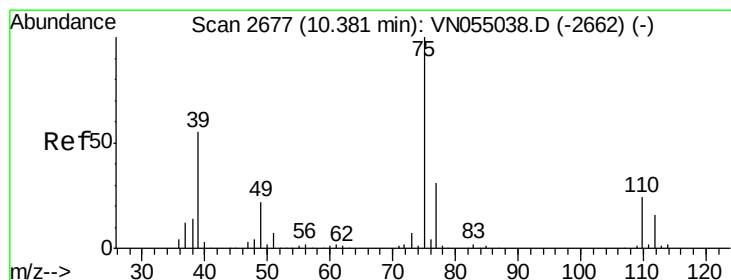
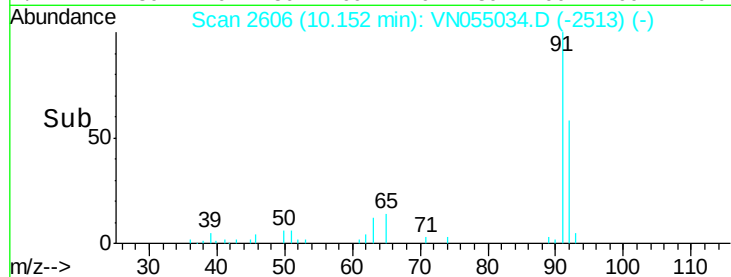
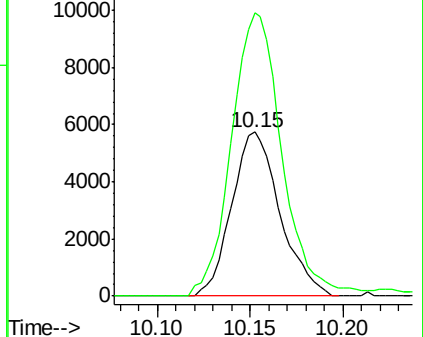
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.889 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055034.D

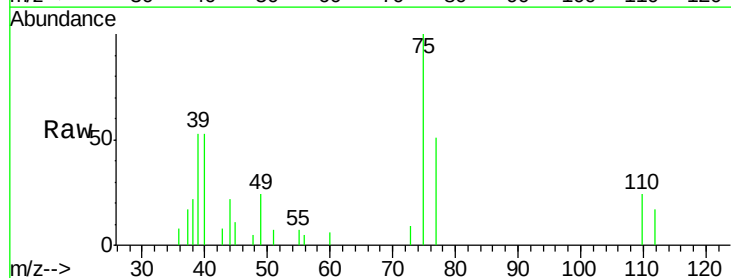
Acq: 15 Apr 2019 9:15

Tgt Ion: 75 Resp: 5023

Ion Ratio Lower Upper

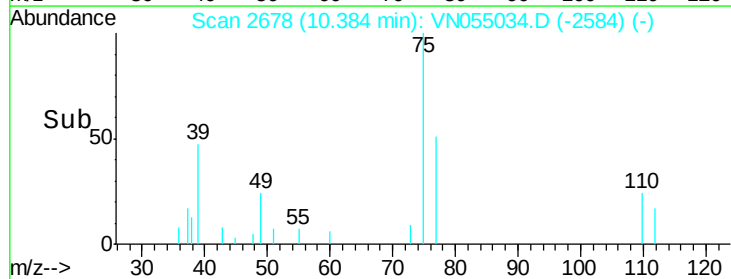
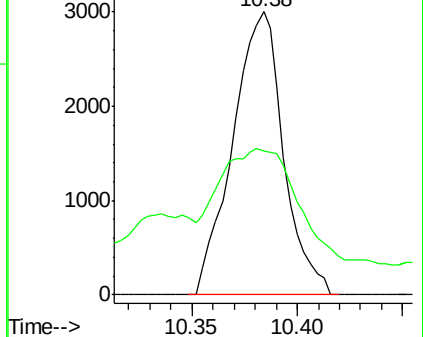
75 100

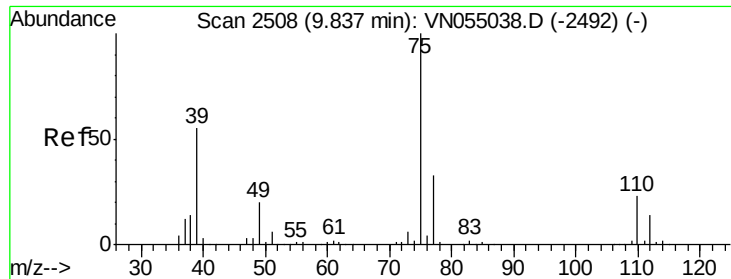
77 37.2 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.905 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

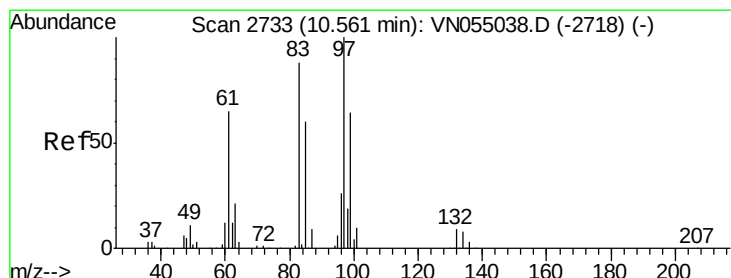
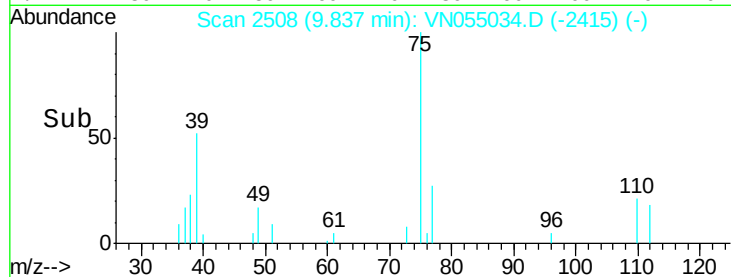
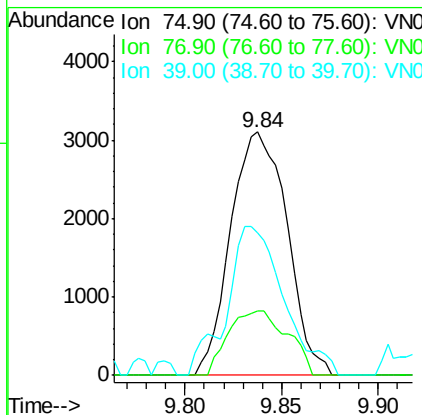
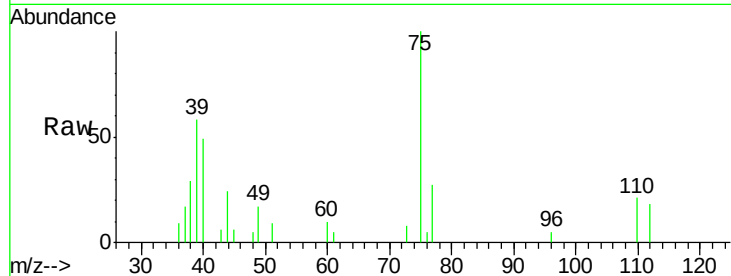
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	6303
Ion Ratio	Lower	Upper	
75	100		
77	26.7	25.8	38.6
39	58.3	43.8	65.8

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 1.029 ug/l

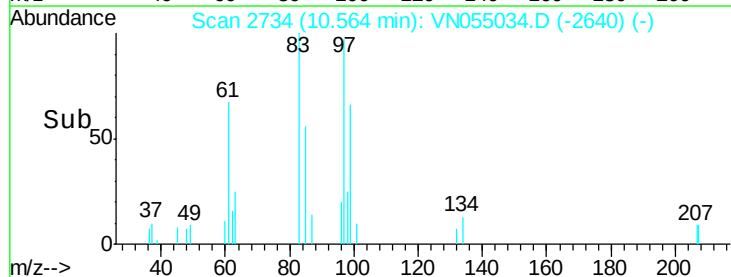
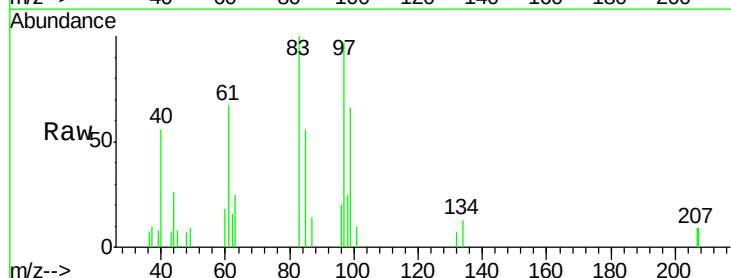
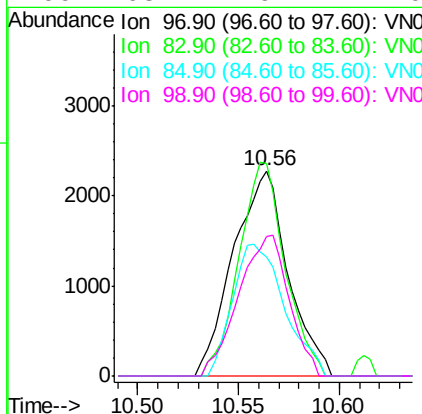
RT: 10.56 min Scan# 2734

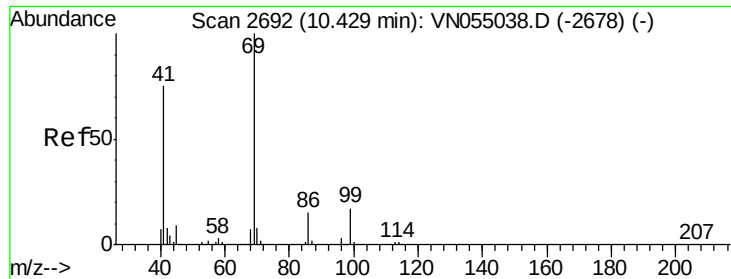
Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Tgt Ion:	97	Resp:	4301
Ion Ratio	Lower	Upper	
97	100		
83	103.6	70.5	105.7
85	58.1	45.5	68.3
99	68.2	49.4	74.0





#56

Ethyl methacrylate

Concen: 0.786 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

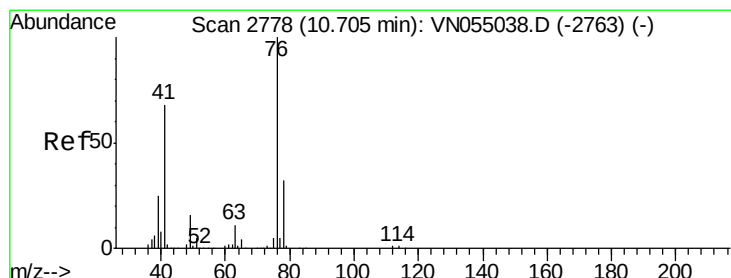
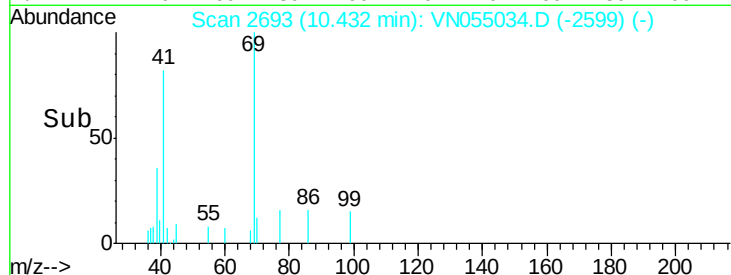
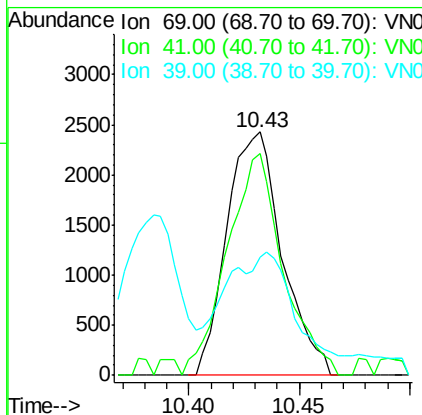
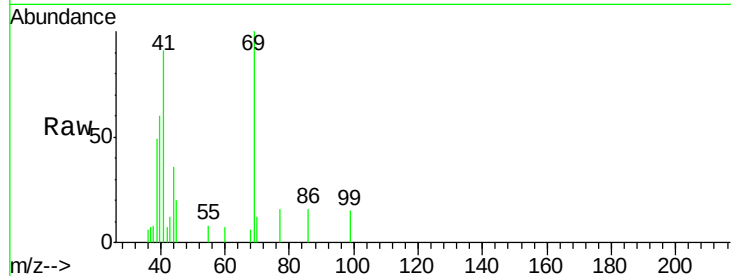
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4229
Ion	Ratio	Lower	Upper
69	100		
41	91.9	61.4	92.0
39	48.2	30.8	46.2#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.922 ug/l

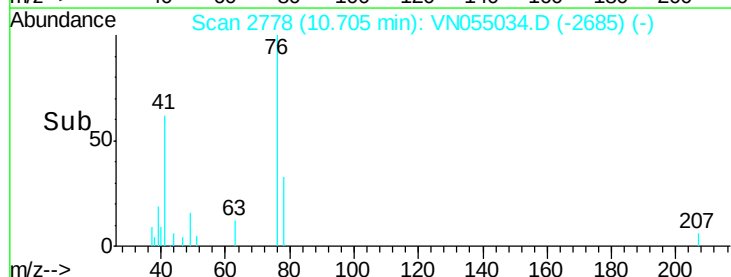
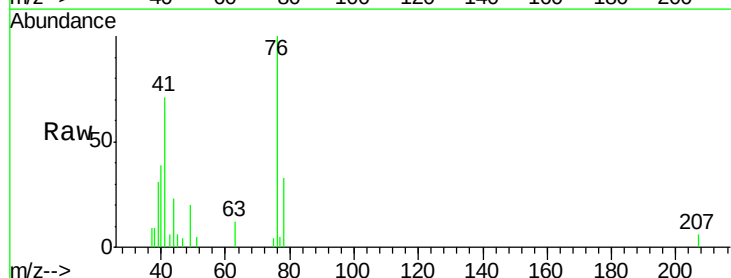
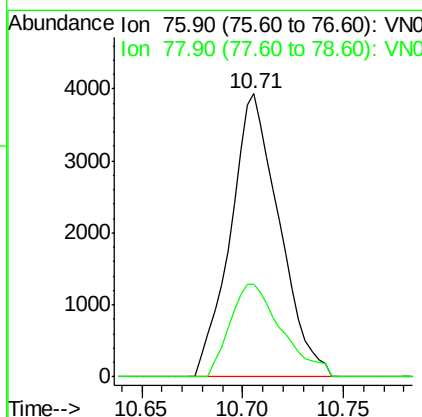
RT: 10.71 min Scan# 2778

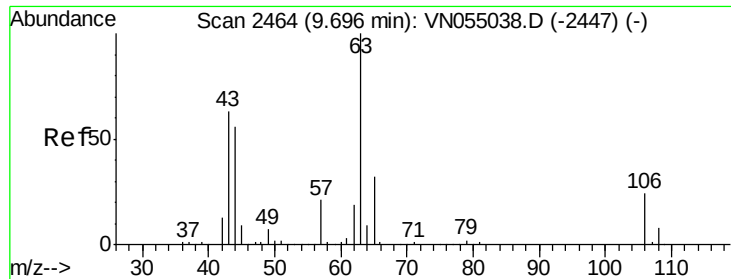
Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Tgt Ion:	76	Resp:	6654
Ion	Ratio	Lower	Upper
76	100		
78	34.6	25.6	38.4





#58

2-Chloroethyl Vinyl ether

Concen: 3.487 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 7341

Ion Ratio Lower Upper

63 100

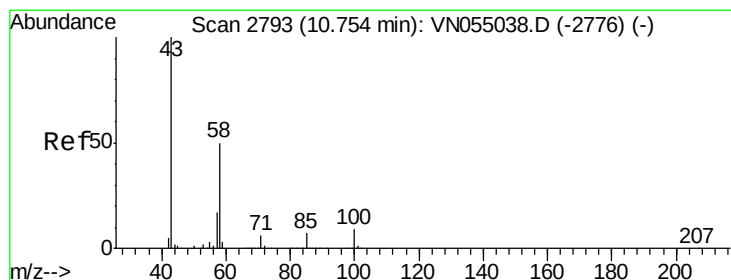
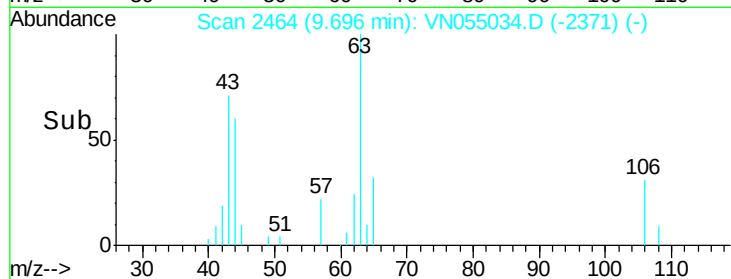
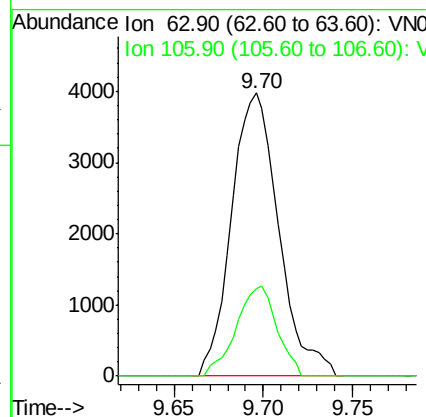
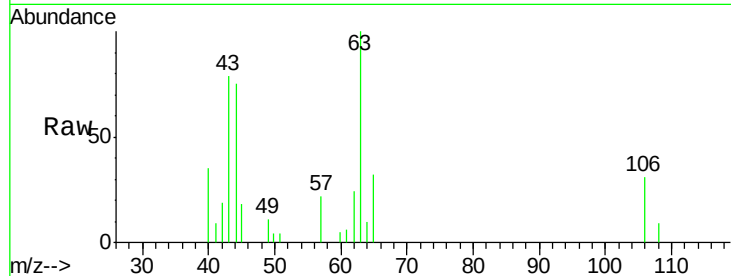
106 27.5 20.0 30.0

Manual Integrations

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#59

2-Hexanone

Concen: 4.321 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055034.D

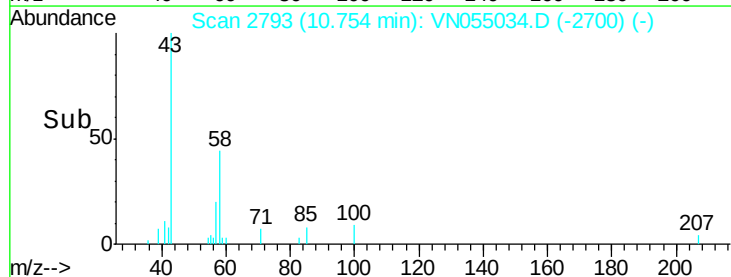
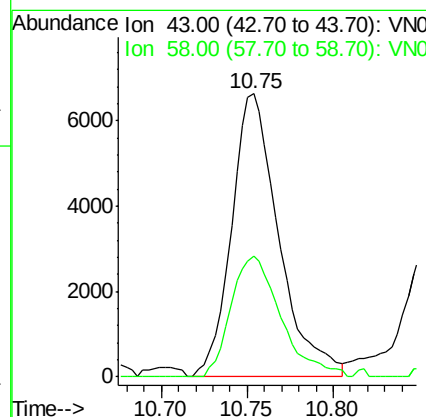
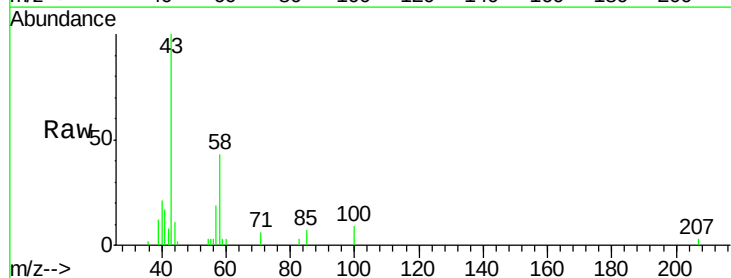
Acq: 15 Apr 2019 9:15

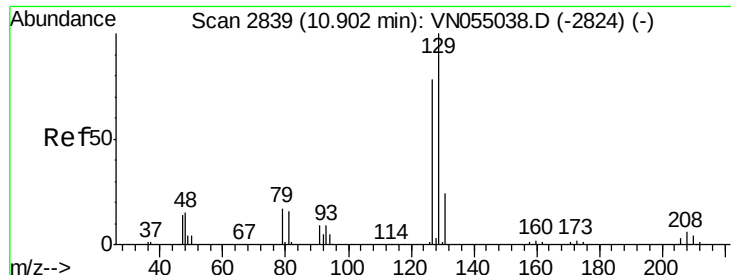
Tgt Ion: 43 Resp: 12742

Ion Ratio Lower Upper

43 100

58 44.8 25.1 75.2





#60

Dibromochloromethane

Concen: 0.876 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 3647

Ion Ratio Lower Upper

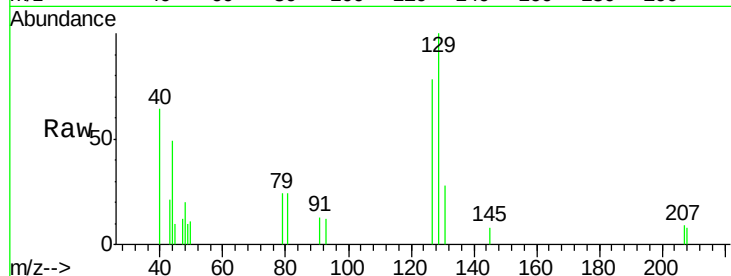
129 100

127 80.0 38.2 114.6

Manual Integrations
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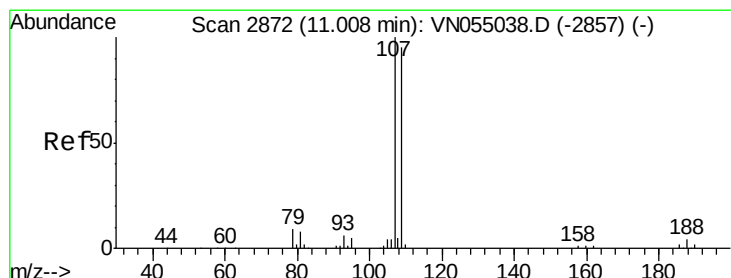
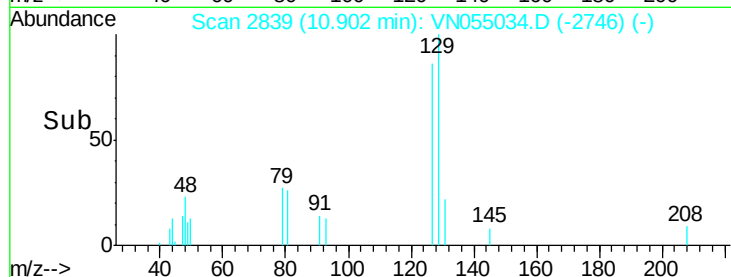
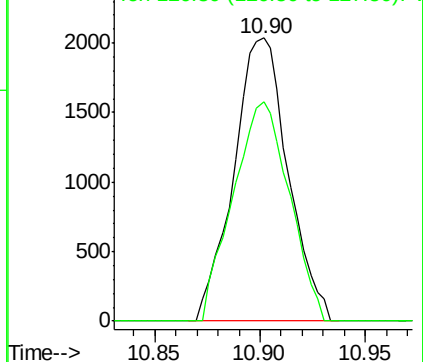
MMDadoda

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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: 0.913 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055034.D

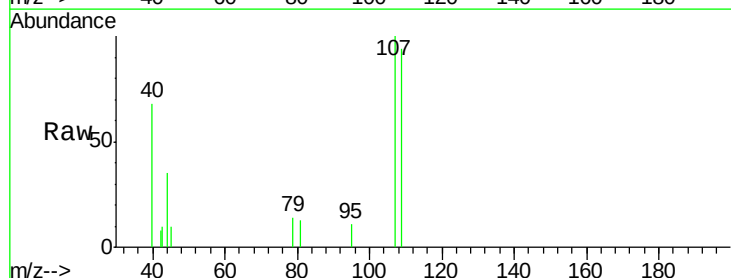
Acq: 15 Apr 2019 9:15

Tgt Ion:107 Resp: 3654

Ion Ratio Lower Upper

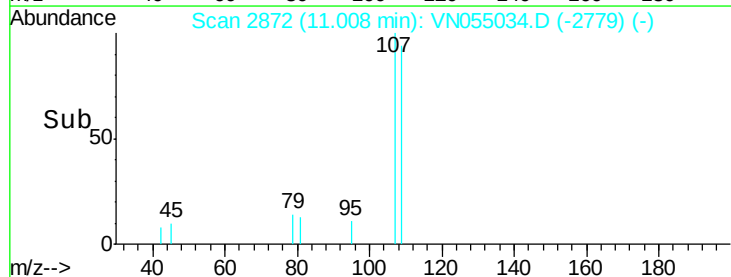
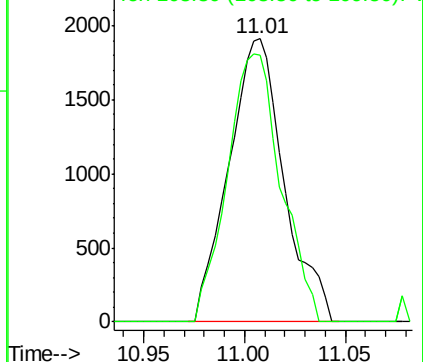
107 100

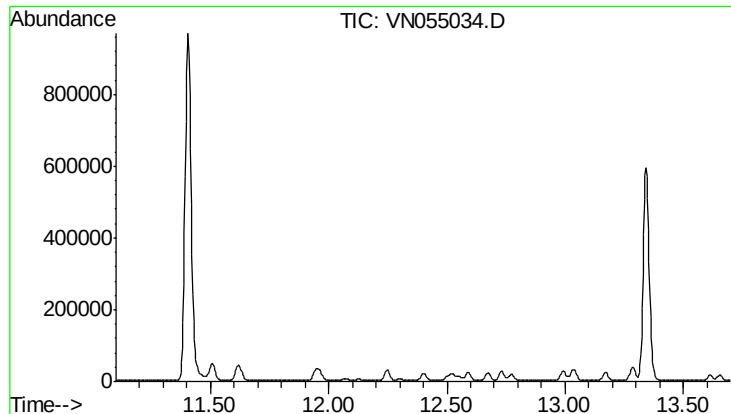
109 92.2 76.5 114.7



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: VN055034.D

Acq: 15 Apr 2019 9:15

Tot Ion: 95

Sig Exp Ratio

95 100

174 87.2

176 83.4

Instrument :

MSVOA_N

ClientSampleId :

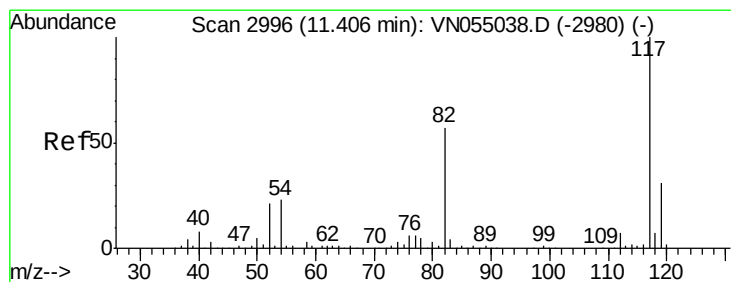
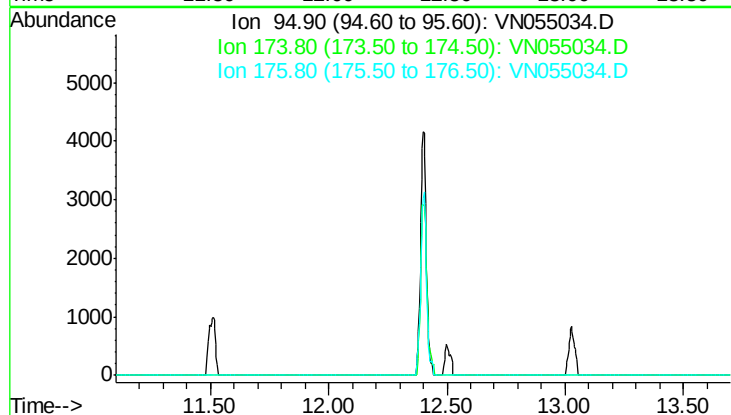
VSTDIC001

Manual Integrations

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4/17/2019 1:48:41 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

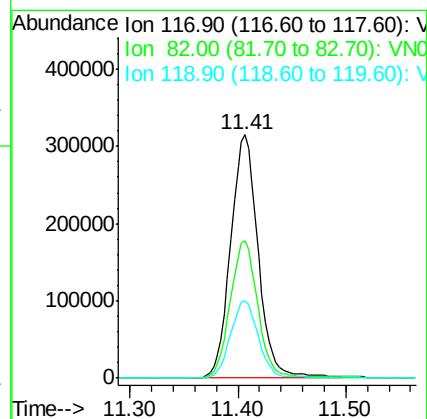
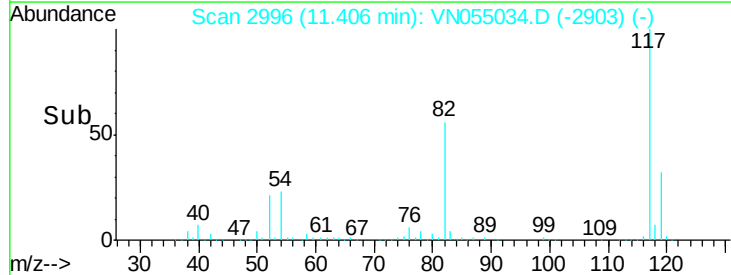
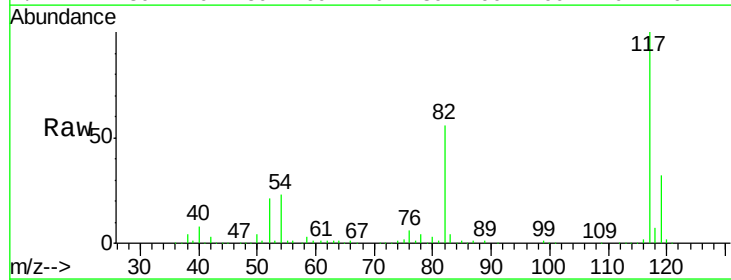
Tgt Ion: 117 Resp: 562620

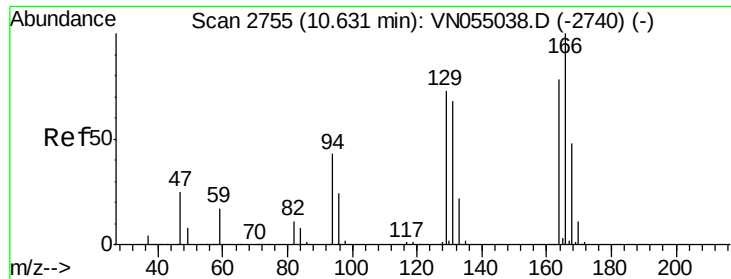
Ion Ratio Lower Upper

117 100

82 56.2 44.6 66.8

119 31.9 25.5 38.3





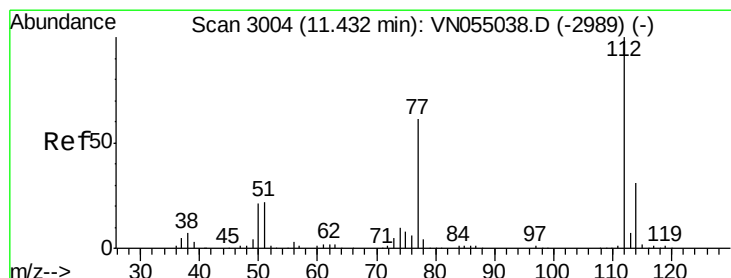
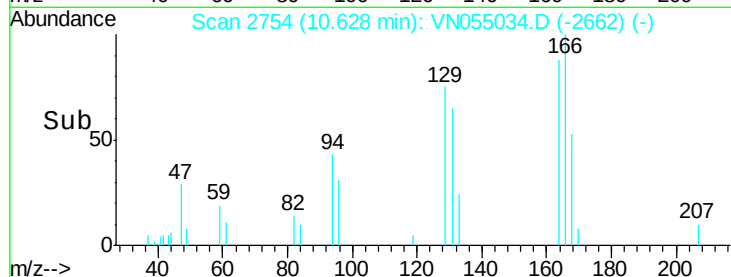
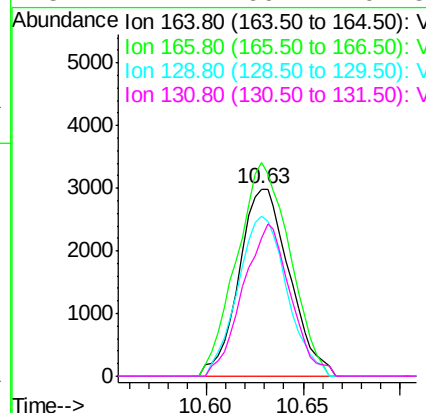
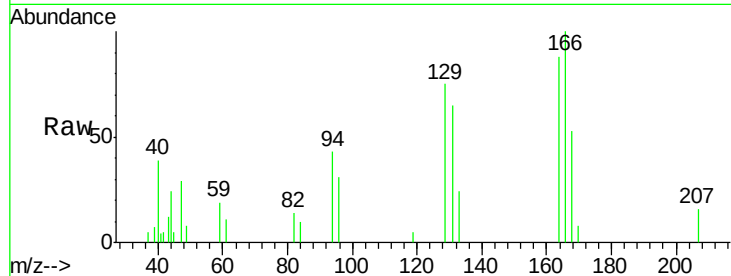
#64
Tetrachloroethene
Concen: 1.233 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:164 Resp: 5425
Ion Ratio Lower Upper
164 100
166 114.2 100.0 150.0
129 85.5 72.0 108.0
131 74.2 69.7 104.5

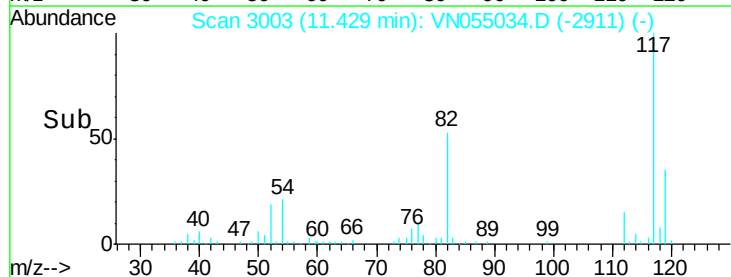
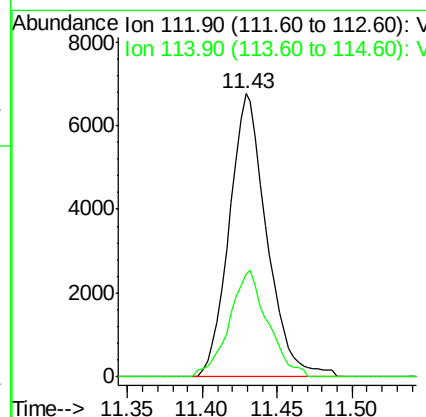
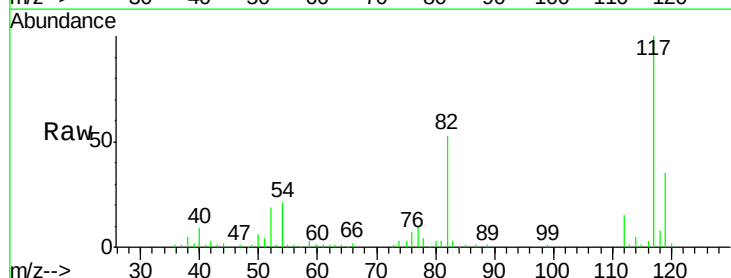
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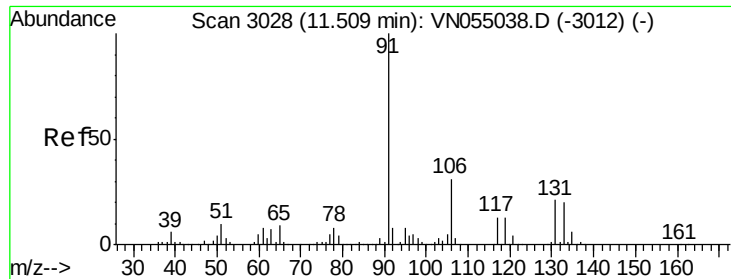
MMDadoda
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#65
Chlorobenzene
Concen: 1.086 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion:112 Resp: 11781
Ion Ratio Lower Upper
112 100
114 36.6 25.3 37.9





#66

1,1,1,2-Tetrachloroethane

Concen: 1.132 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:131 Resp: 4526

Ion Ratio Lower Upper

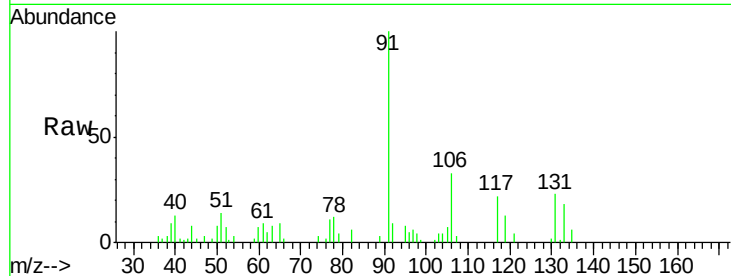
131 100

133 87.1 47.8 143.3

119 0.0 33.6 100.6#

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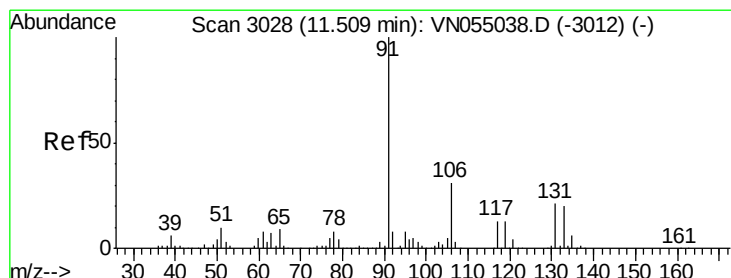
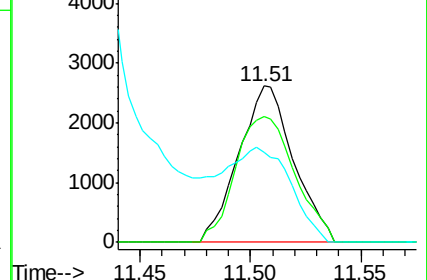
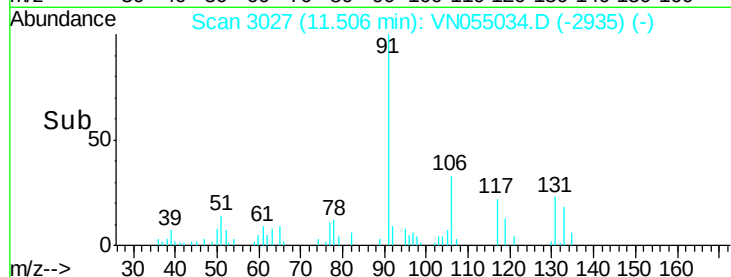
MMDadoda
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.020 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055034.D

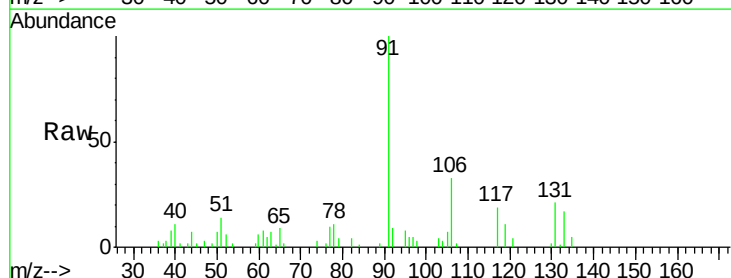
Acq: 15 Apr 2019 9:15

Tgt Ion: 91 Resp: 20335

Ion Ratio Lower Upper

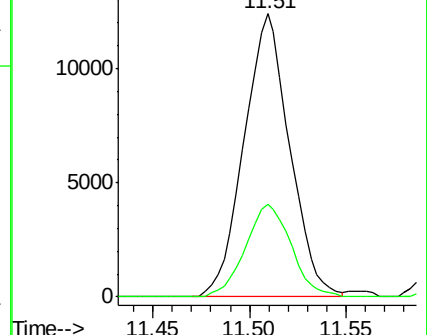
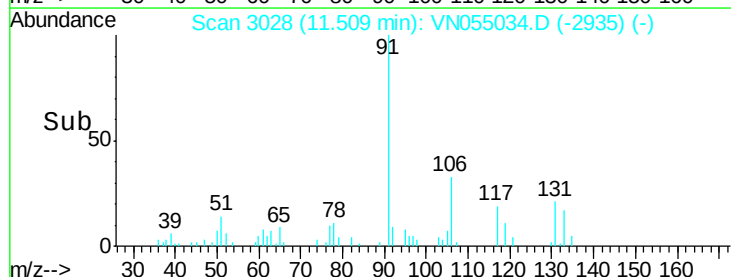
91 100

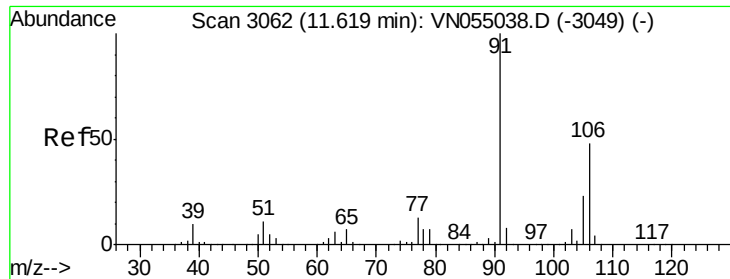
106 32.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





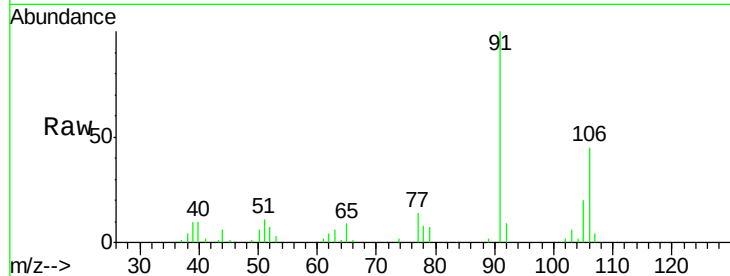
#68
m/p-Xylenes
Concen: 1.889 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

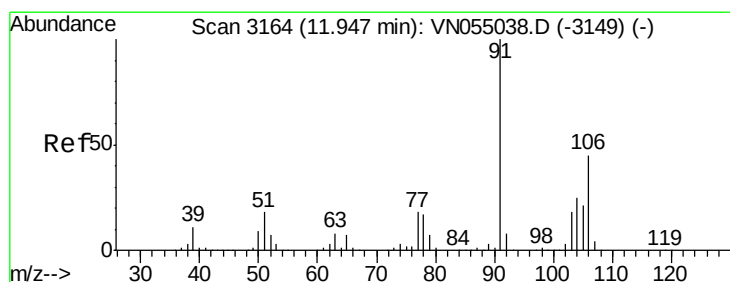
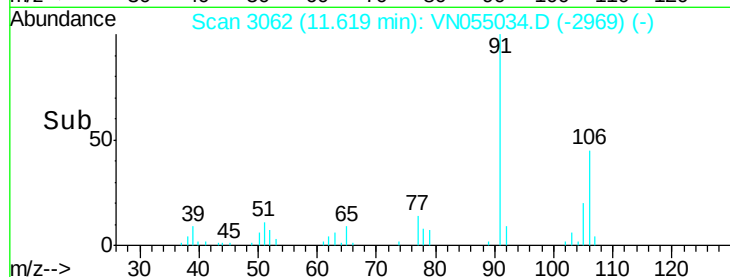
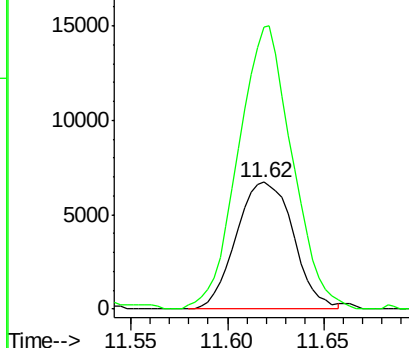
Tot Ion:106 Resp: 13775
Ion Ratio Lower Upper
106 100
91 210.9 165.9 248.9

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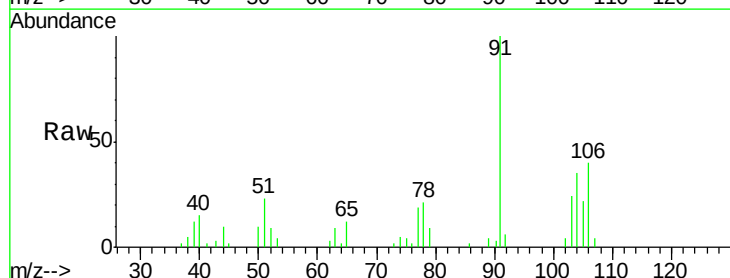


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

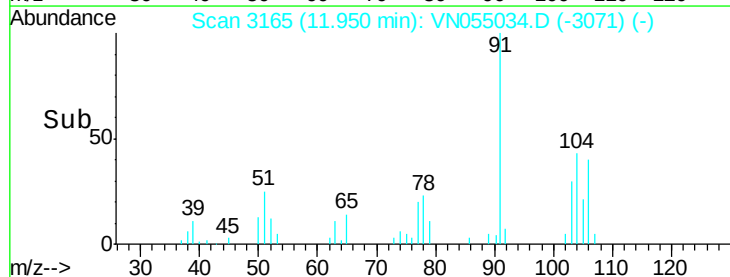
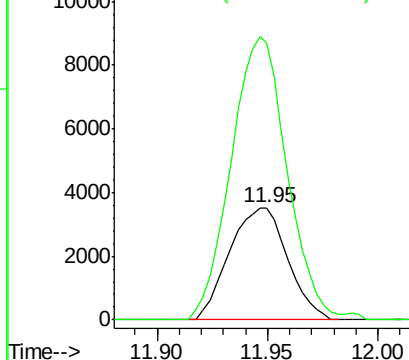


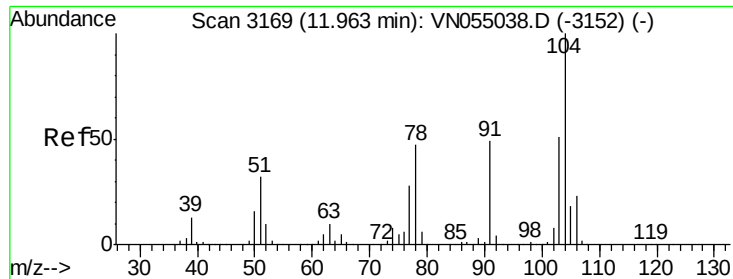
#69
o-Xylene
Concen: 0.887 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion:106 Resp: 6398
Ion Ratio Lower Upper
106 100
91 244.9 109.9 329.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





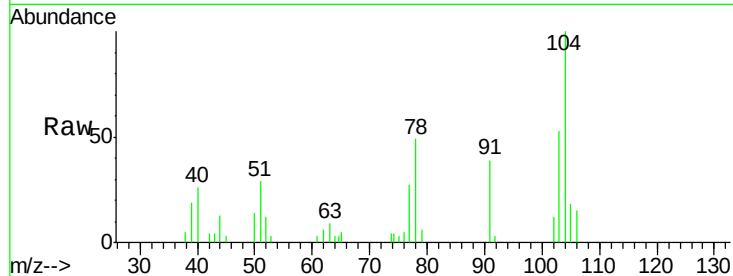
#70
Stvrene
Concen: 0.893 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

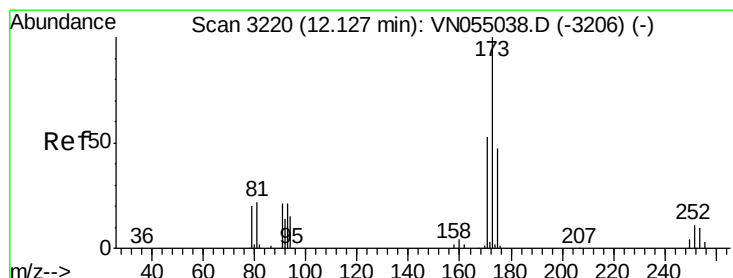
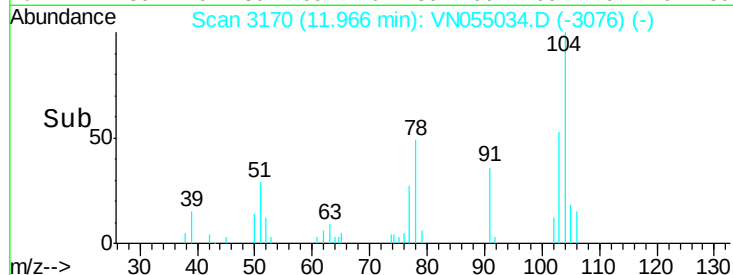
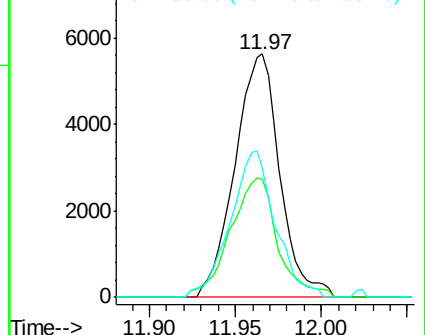
Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		10219		
78	51.7	40.3	60.5		
103	60.2	44.3	66.5		

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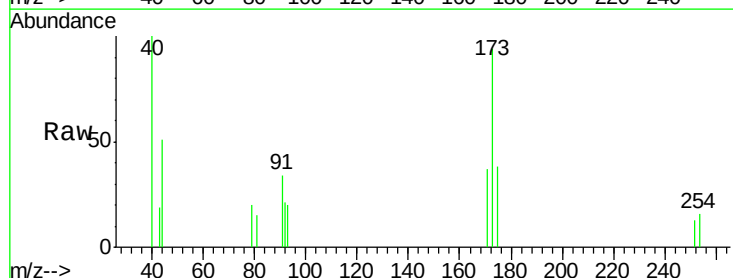


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

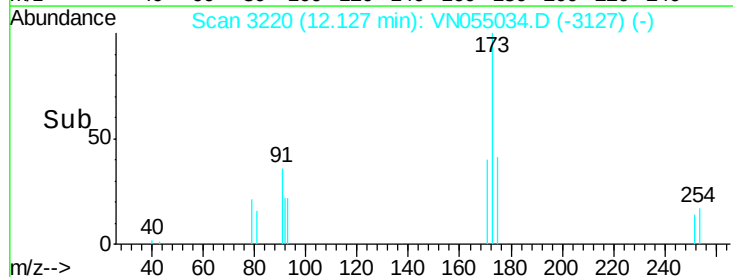
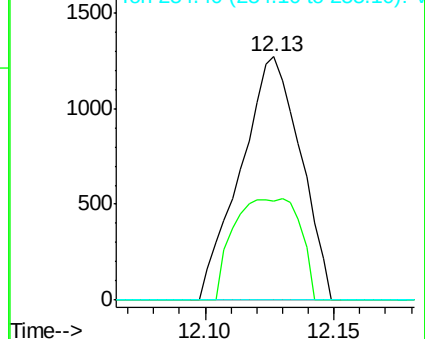


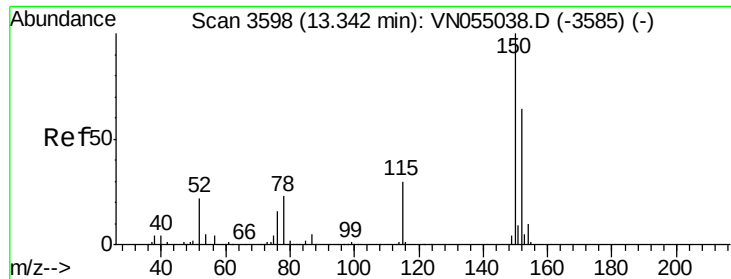
#71
Bromoform
Concen: 0.851 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
173	100		2055		
175	46.0	24.3	73.0		
254	0.0	0.1	0.1#		



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 164986

Ion Ratio Lower Upper

152 100

115 57.7 28.5 85.6

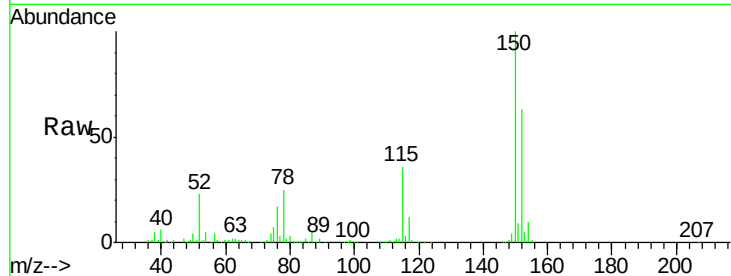
150 157.7 0.0 347.2

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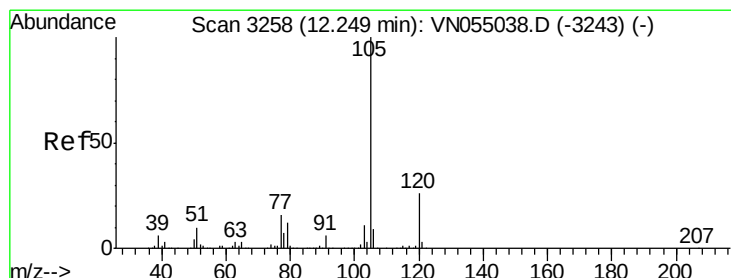
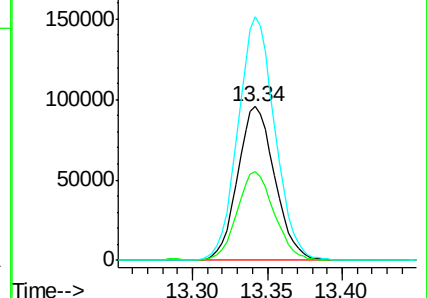
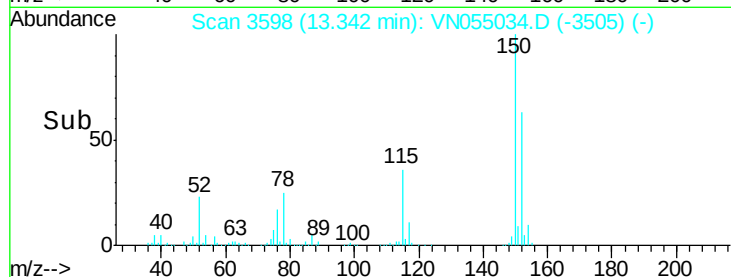
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.260 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055034.D

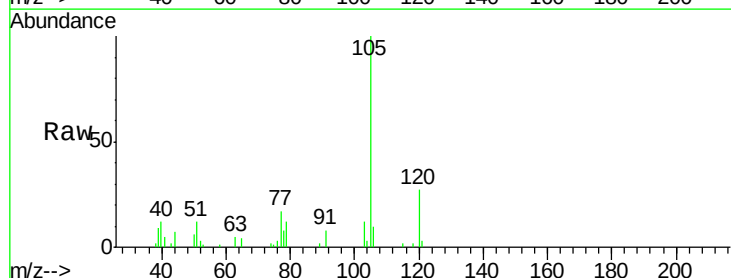
Acq: 15 Apr 2019 9:15

Tgt Ion:105 Resp: 17676

Ion Ratio Lower Upper

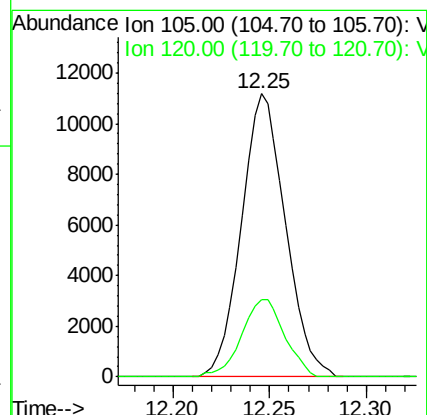
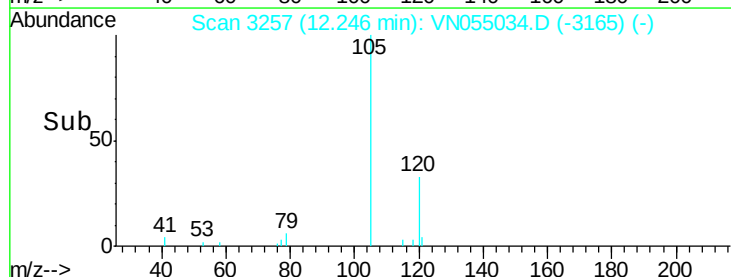
105 100

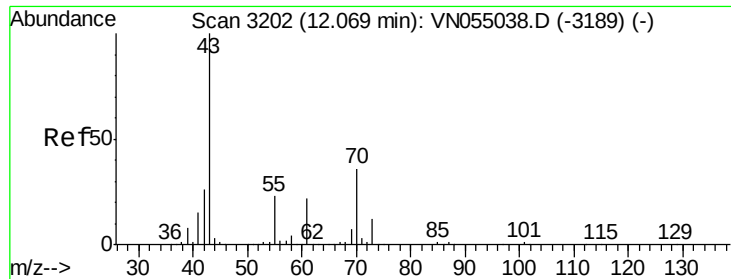
120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.938 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

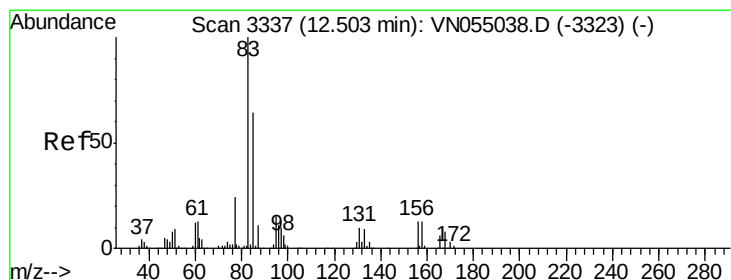
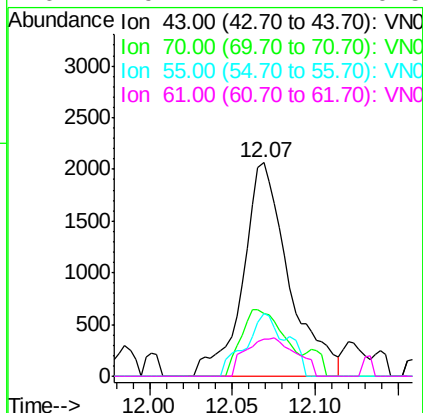
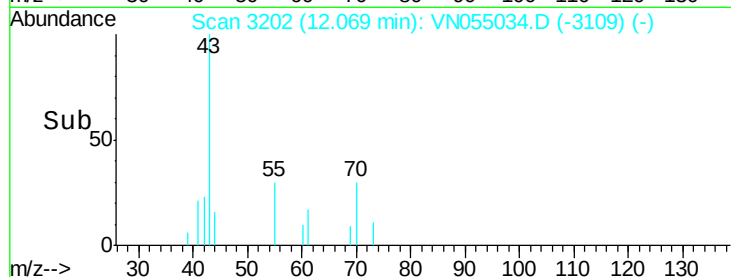
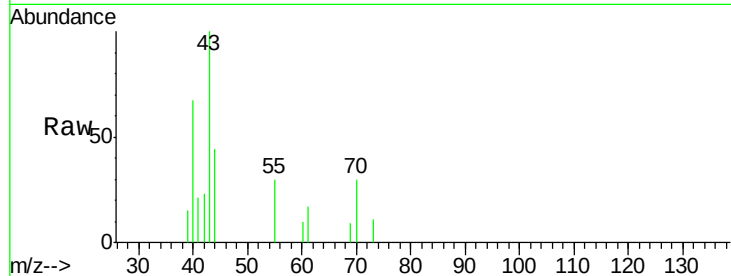
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	3964
Ion	Ratio	Lower	Upper
43	100		
70	29.2	29.4	44.0#
55	26.1	19.0	28.4
61	19.7	17.7	26.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.346 ug/l

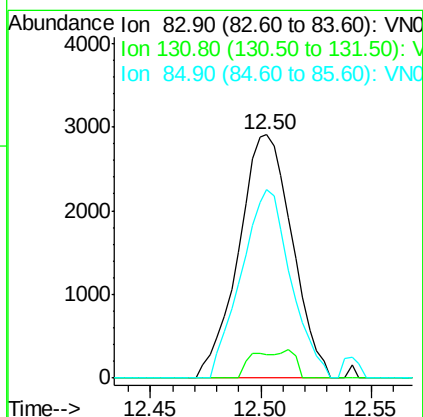
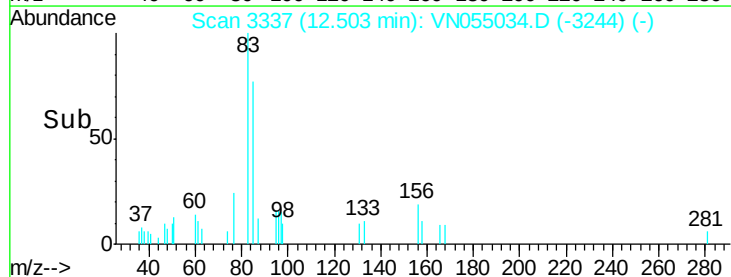
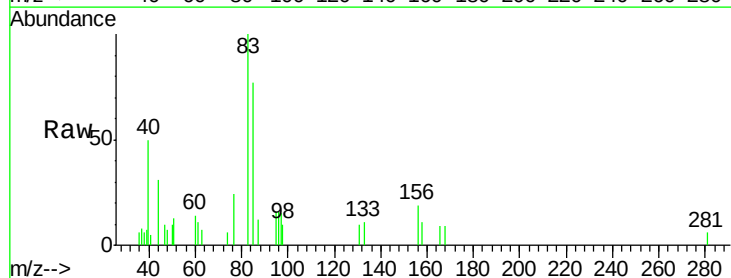
RT: 12.50 min Scan# 3337

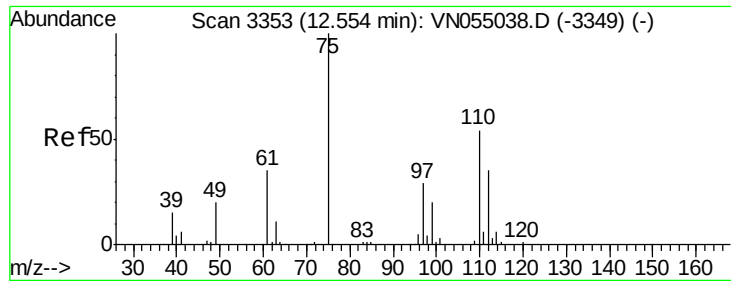
Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Tgt Ion:	83	Resp:	4889
Ion	Ratio	Lower	Upper
83	100		
131	4.2	5.0	15.0#
85	71.7	32.3	96.9





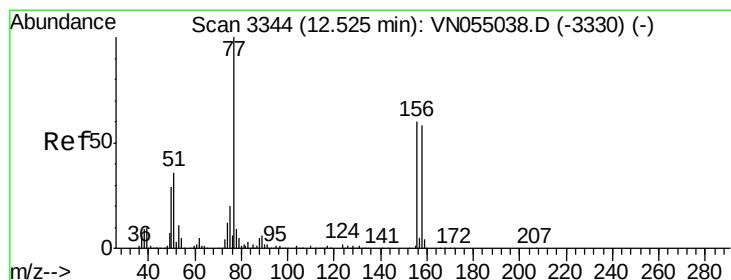
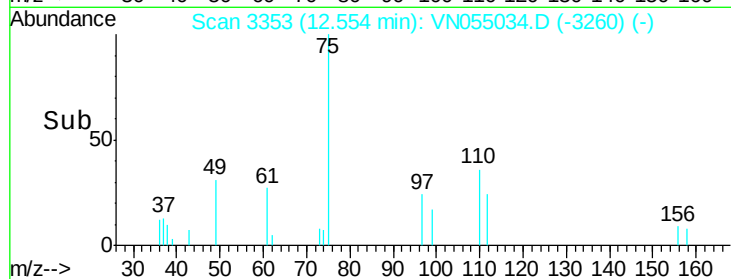
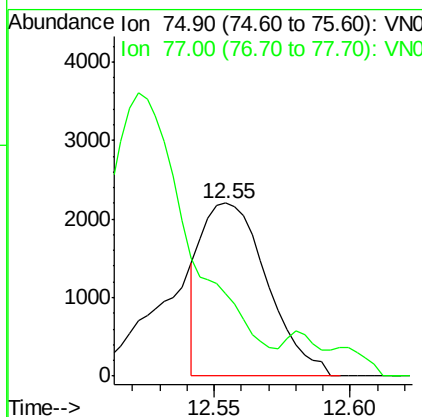
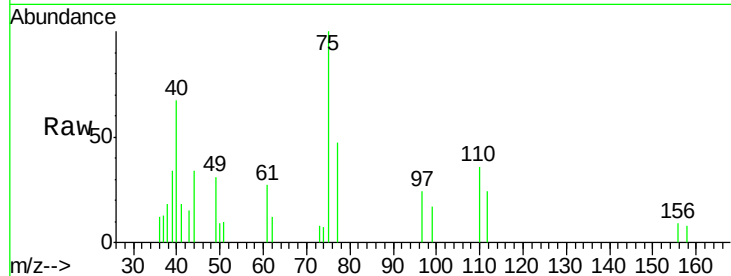
#76
 1,2,3-Trichloropropane
 Concen: 1.222 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 3708
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

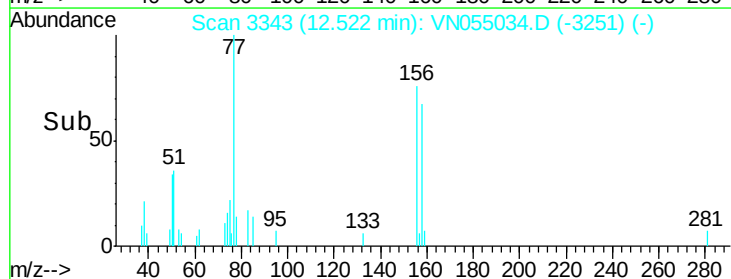
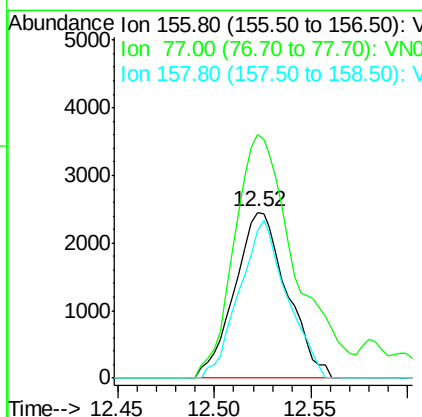
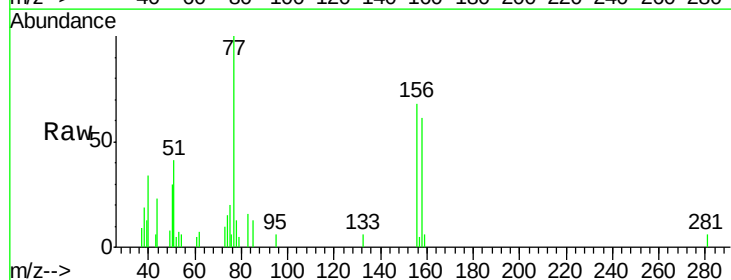
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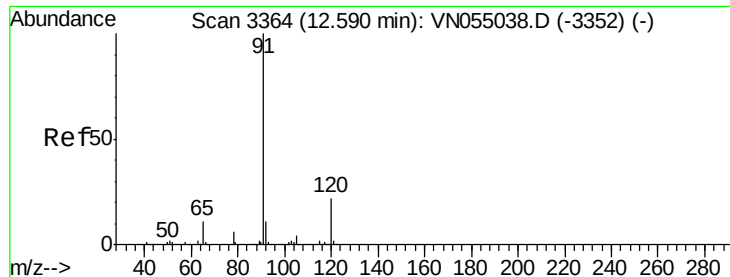
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#77
 Bromobenzene
 Concen: 1.332 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. -0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Tgt Ion: 156 Resp: 4590
 Ion Ratio Lower Upper
 156 100
 77 172.4 97.2 291.5
 158 86.8 48.6 145.9





#78

n-propylbenzene

Concen: 1.217 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 18605

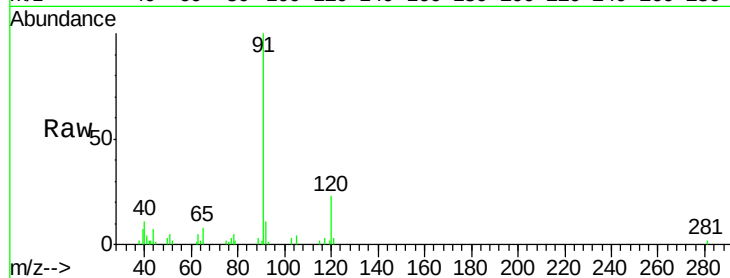
Ion Ratio Lower Upper

91 100

120 19.5 11.2 33.5

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

4000

2000

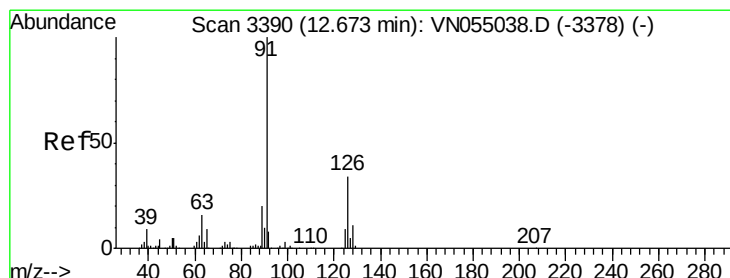
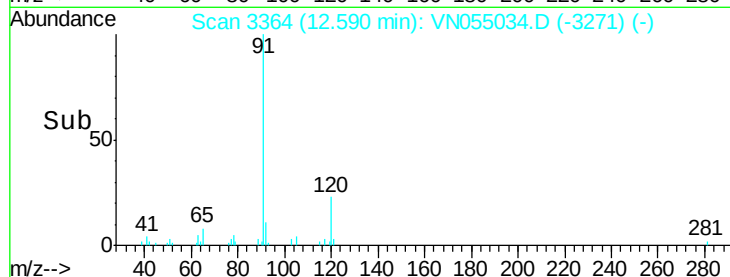
0

Time-->

12.55

12.60

12.65



#79

2-Chlorotoluene

Concen: 1.226 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055034.D

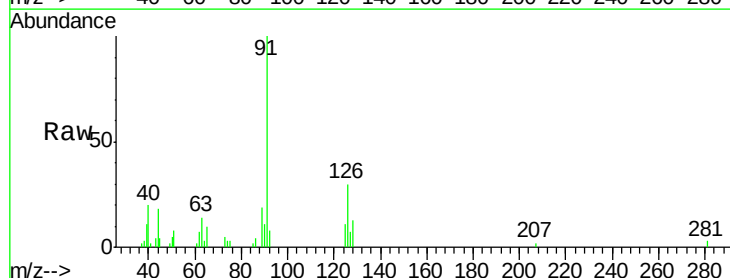
Acq: 15 Apr 2019 9:15

Tgt Ion: 91 Resp: 11574

Ion Ratio Lower Upper

91 100

126 33.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

8000

6000

4000

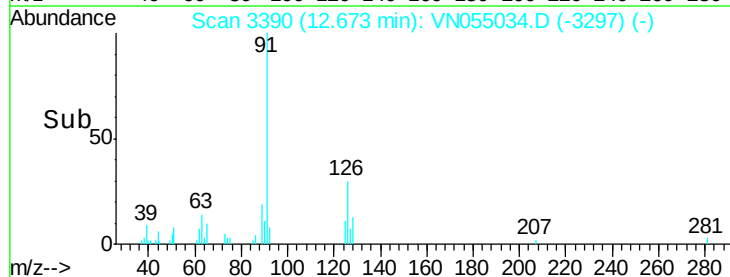
2000

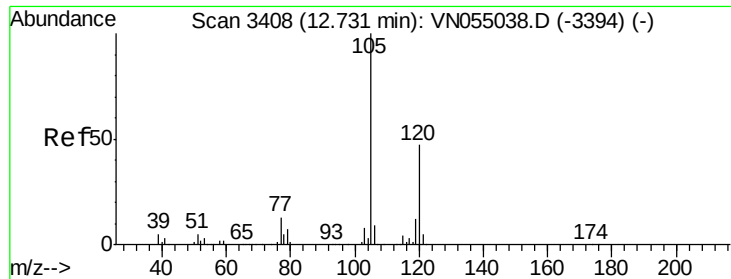
0

Time-->

12.65

12.70





#80

1,3,5-Trimethylbenzene

Concen: 1.198 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 13678

Ion Ratio Lower Upper

105 100

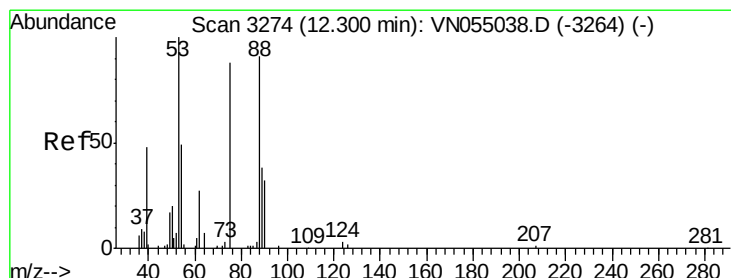
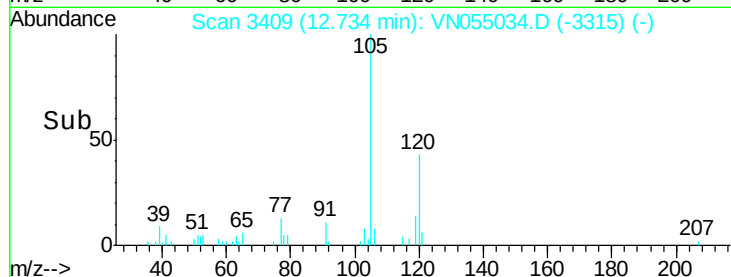
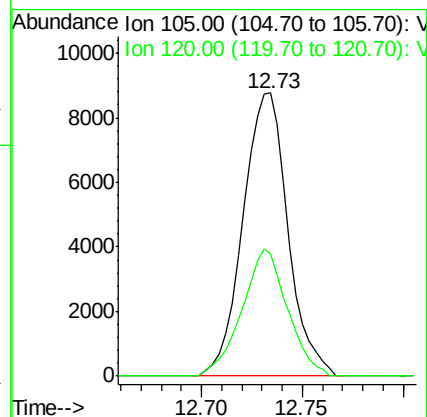
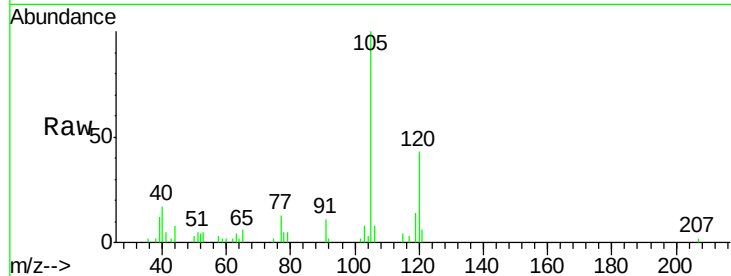
120 45.4 24.3 72.8

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 0.927 ug/l m

RT: 12.31 min Scan# 3277

Delta R.T. 0.01 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

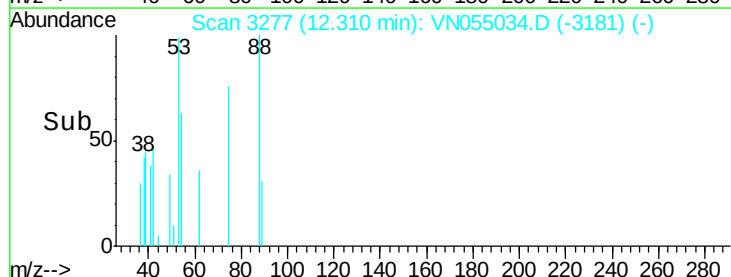
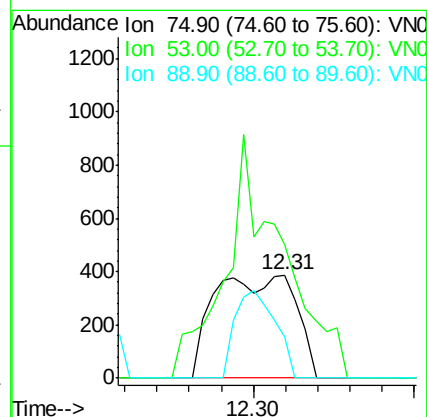
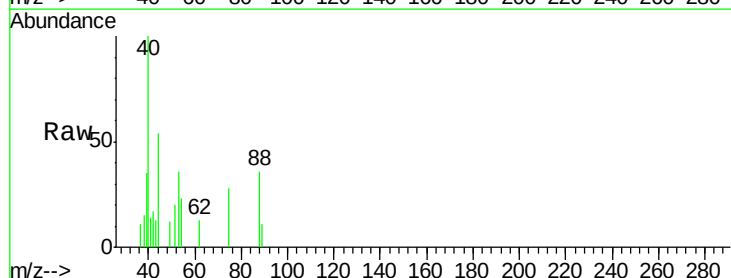
Tgt Ion: 75 Resp: 682

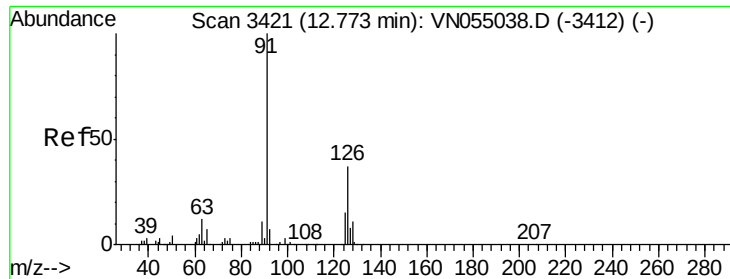
Ion Ratio Lower Upper

75 100

53 167.4 96.3 144.5#

89 42.4 38.6 57.8





#82

4-Chlorotoluene

Concen: 1.066 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 9729

Ion Ratio Lower Upper

91 100

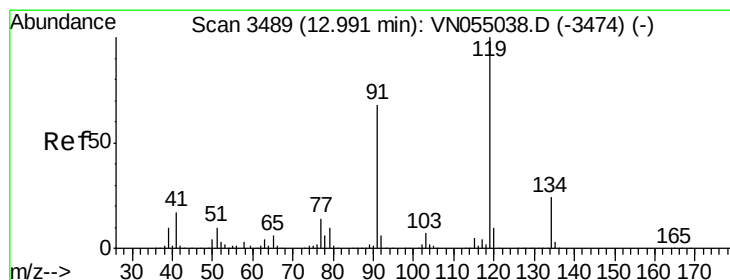
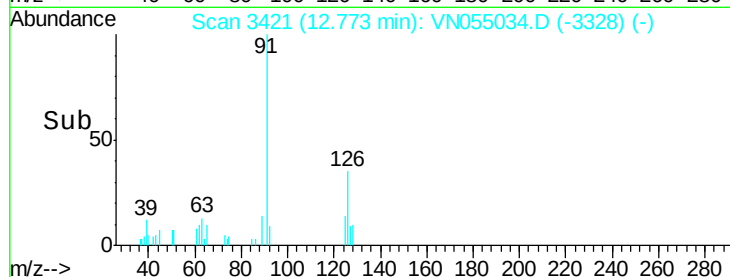
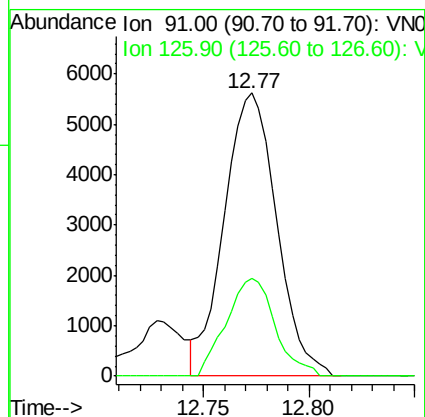
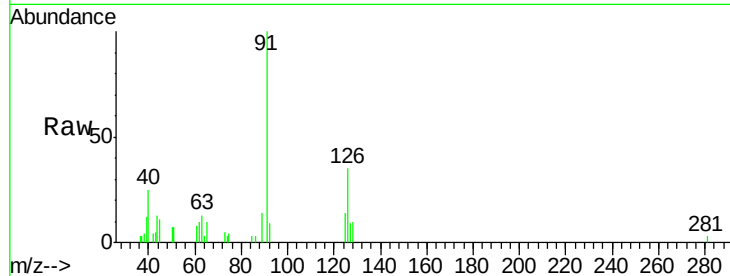
126 32.1 16.4 49.2

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#83

tert-Butylbenzene

Concen: 1.203 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

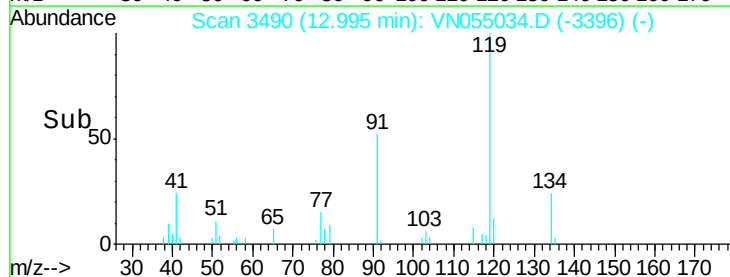
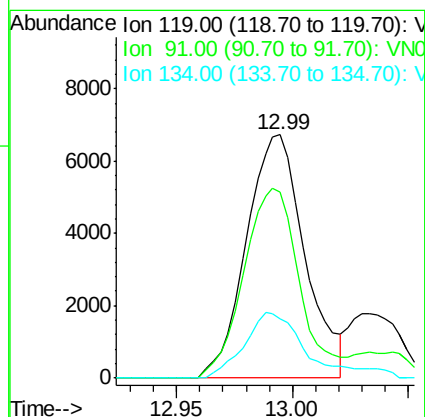
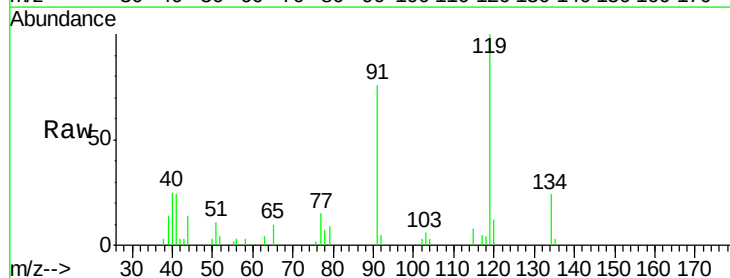
Tgt Ion: 119 Resp: 11773

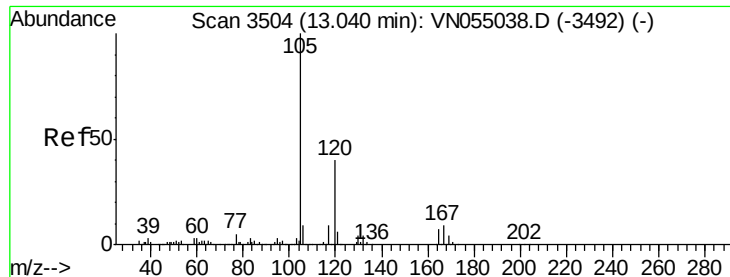
Ion Ratio Lower Upper

119 100

91 73.9 33.3 99.8

134 29.0 12.3 36.9





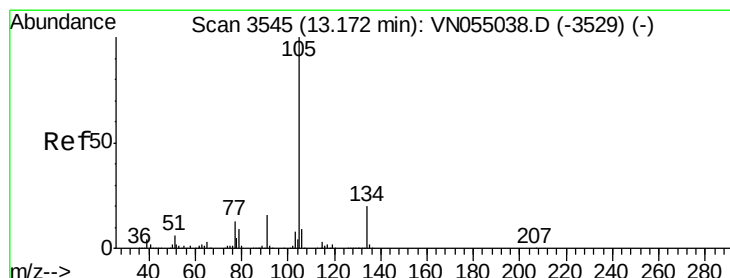
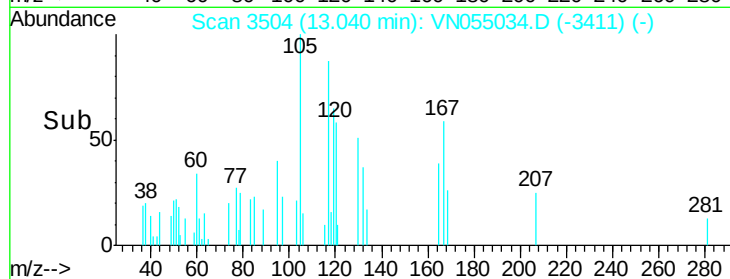
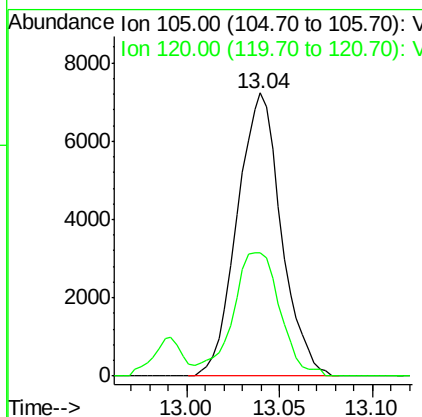
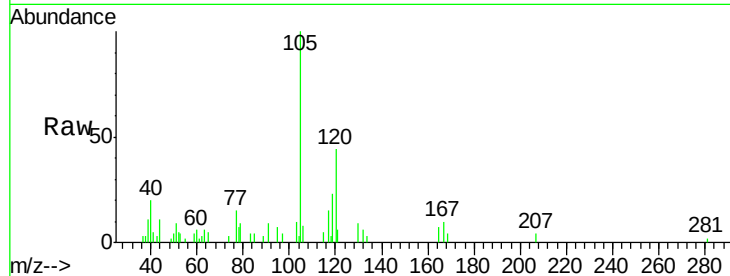
#84
 1,2,4-Trimethylbenzene
 Concen: 1.088 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 11909
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.4 67.3

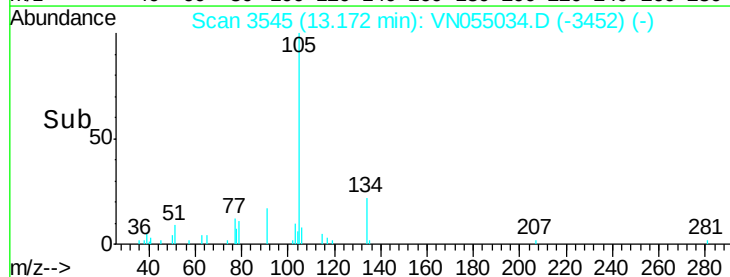
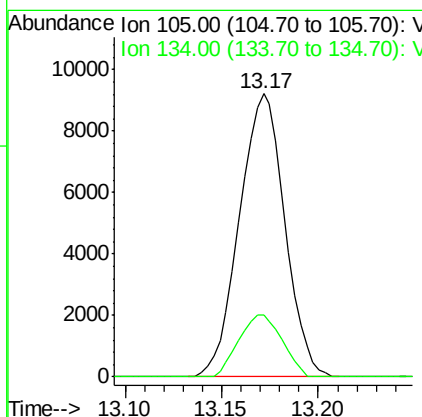
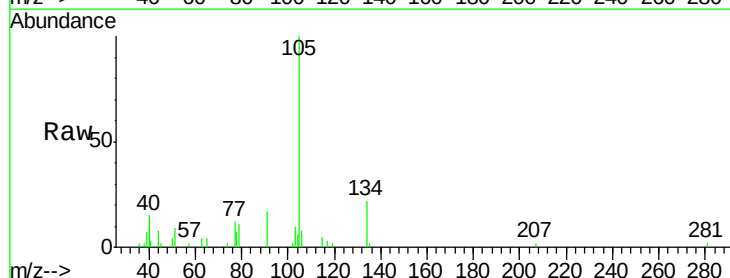
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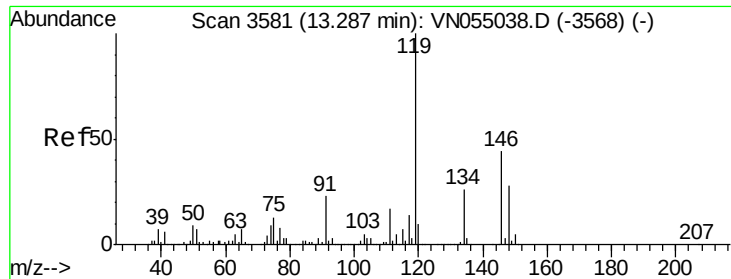
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#85
 sec-Butylbenzene
 Concen: 1.203 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Tgt Ion:105 Resp: 15021
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.8 29.3





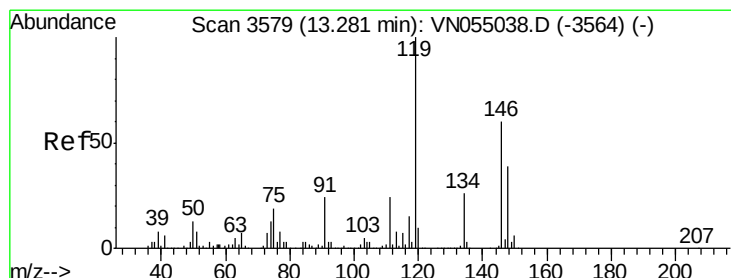
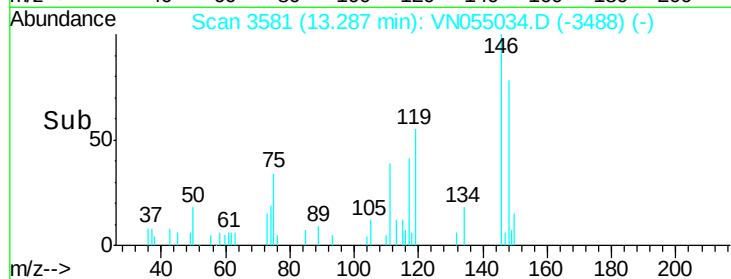
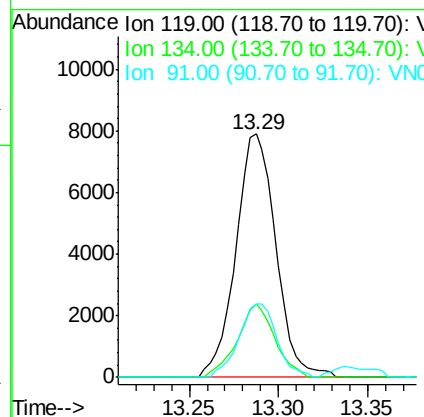
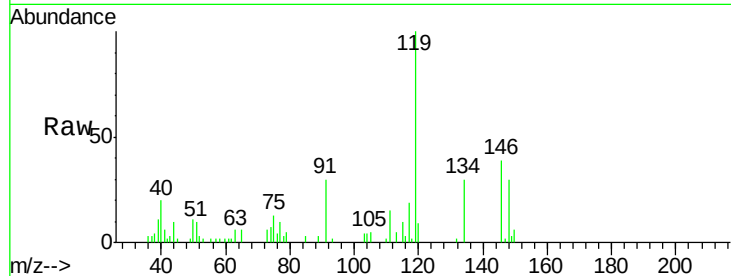
#86
 p-Isopropyltoluene
 Concen: 1.140 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	12388		
134	28.3		13.2	39.5
91	28.6		11.7	35.1

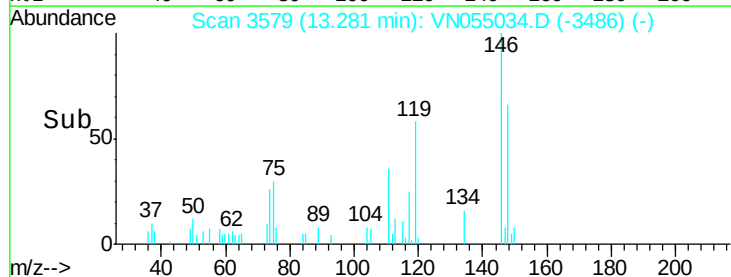
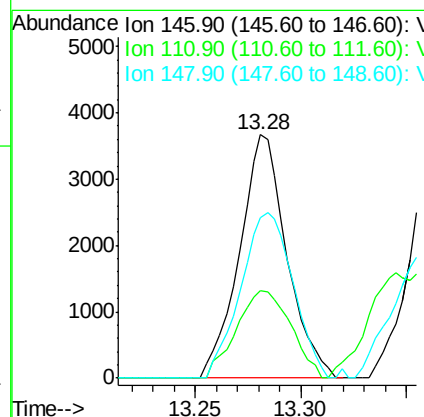
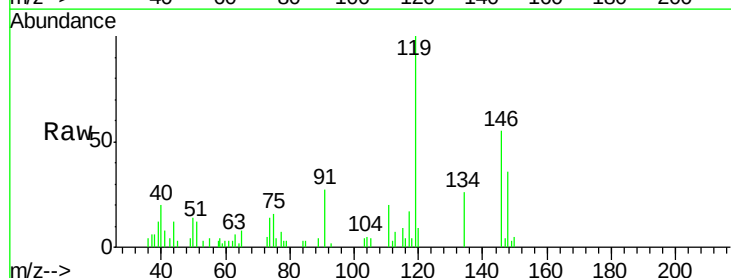
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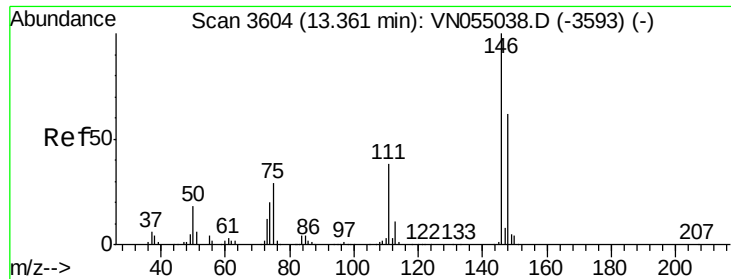
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#87
 1,3-Dichlorobenzene
 Concen: 1.018 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	5704		
111	41.3		19.5	58.5
148	75.2		31.6	94.7





#88

1,4-Dichlorobenzene

Concen: 0.995 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

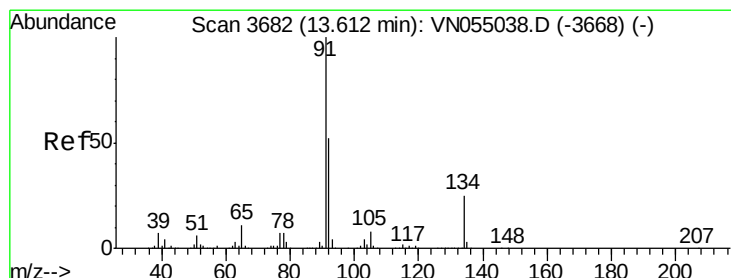
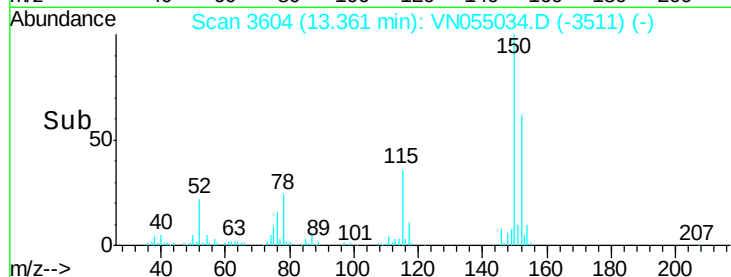
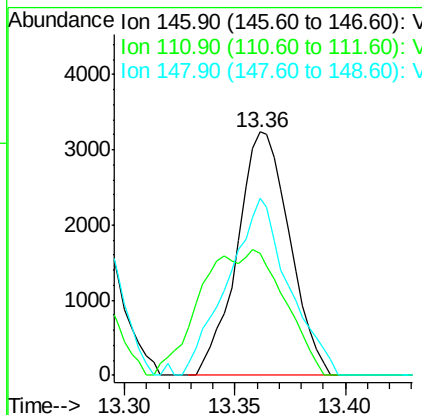
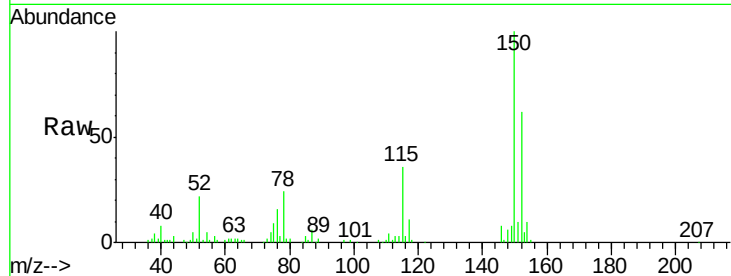
ClientSampled :

VSTDIC001

Tot Ion:	146	Resp:	5334
Ion	Ratio	Lower	Upper
146	100		
111	41.4	18.8	56.4
148	84.5	32.4	97.2

Manual Integrations
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#89

n-Butylbenzene

Concen: 0.984 ug/l

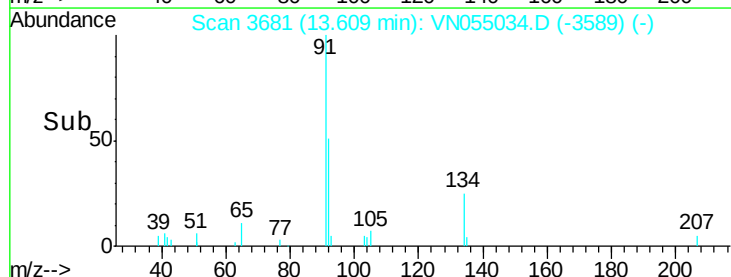
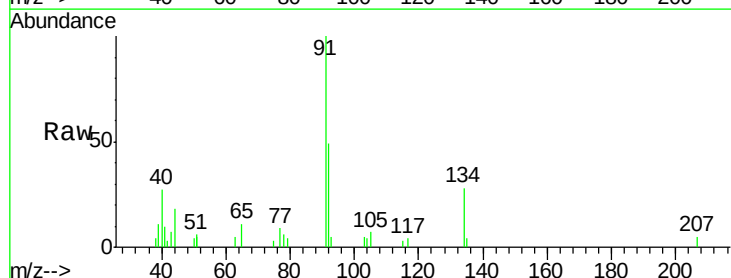
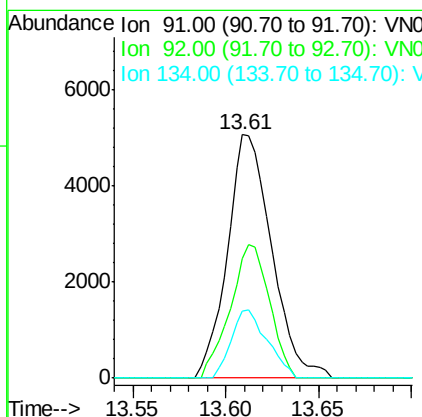
RT: 13.61 min Scan# 3681

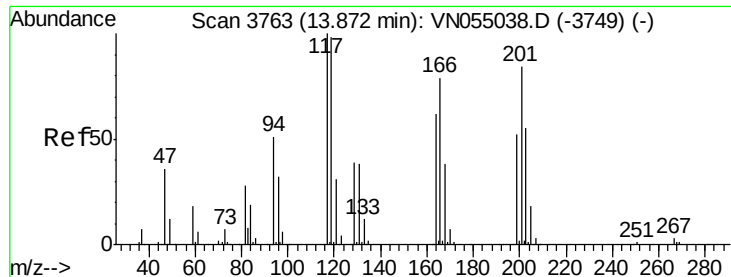
Delta R.T. -0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Tgt Ion:	91	Resp:	8393
Ion	Ratio	Lower	Upper
91	100		
92	48.5	25.9	77.7
134	22.7	12.8	38.3





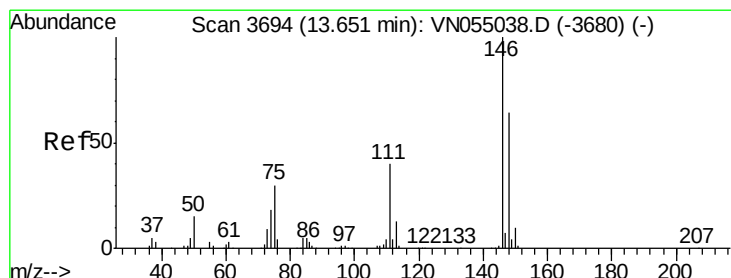
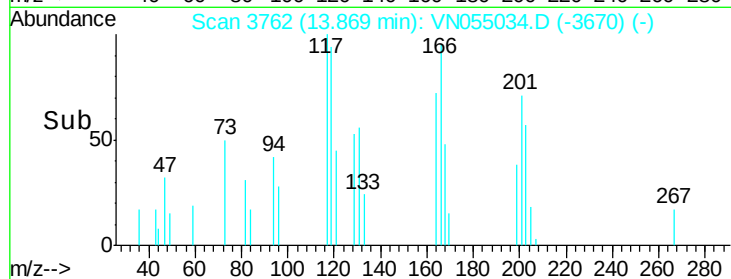
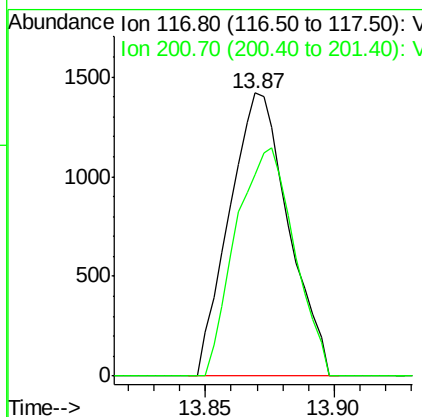
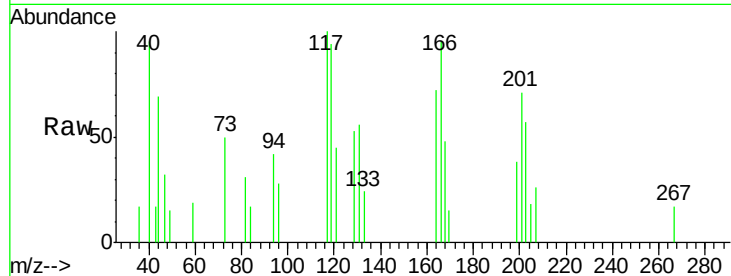
#90
Hexachloroethane
Concen: 1.264 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2269
Ion Ratio Lower Upper
117 100
201 80.0 43.4 130.2

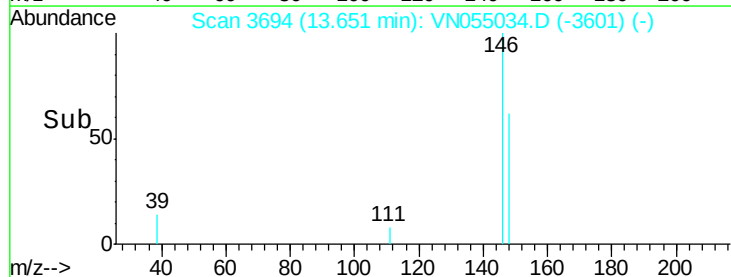
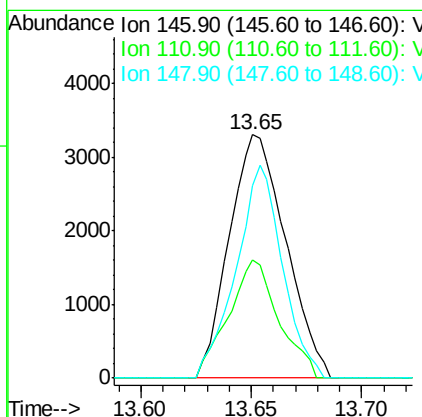
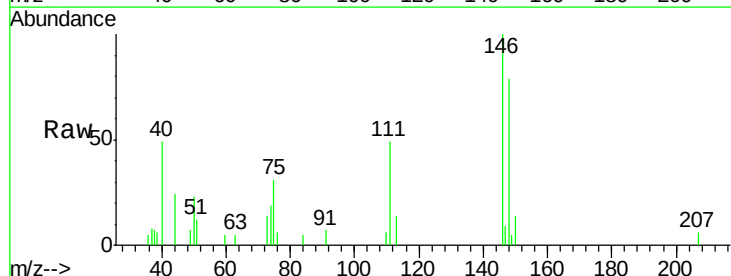
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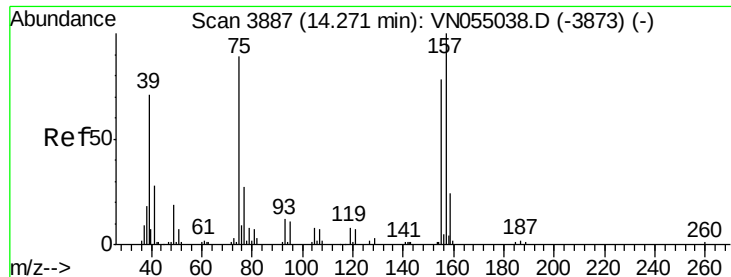
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#91
1,2-Dichlorobenzene
Concen: 1.079 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN055034.D
Acq: 15 Apr 2019 9:15

Tgt Ion:146 Resp: 5872
Ion Ratio Lower Upper
146 100
111 43.2 20.3 60.9
148 72.0 32.2 96.6





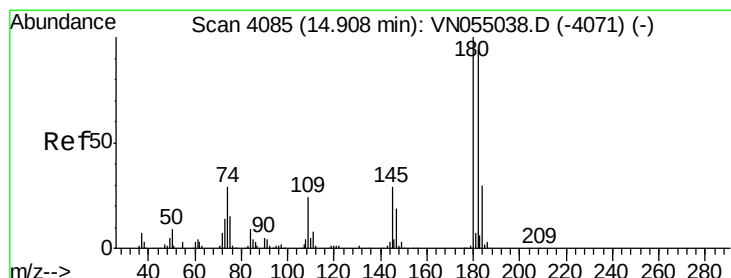
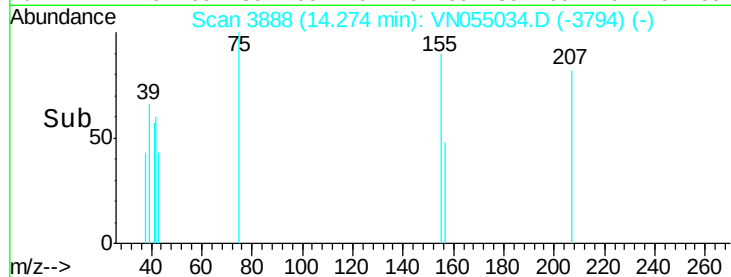
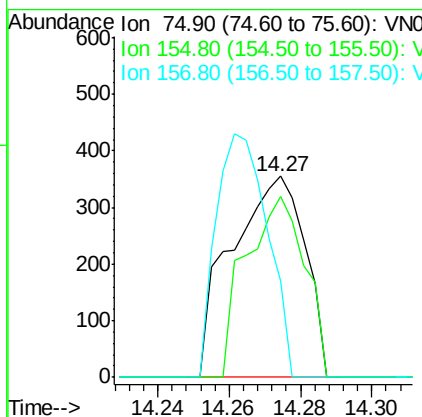
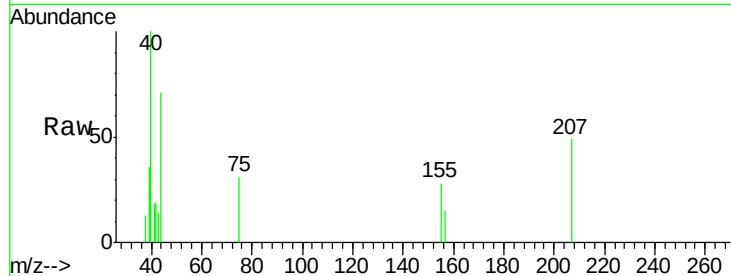
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.071 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	72.3	42.0	126.0
157	84.0	52.1	156.4

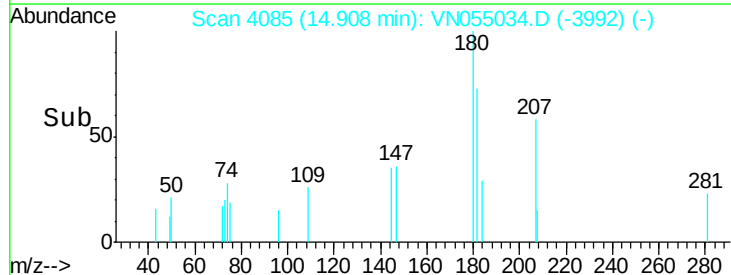
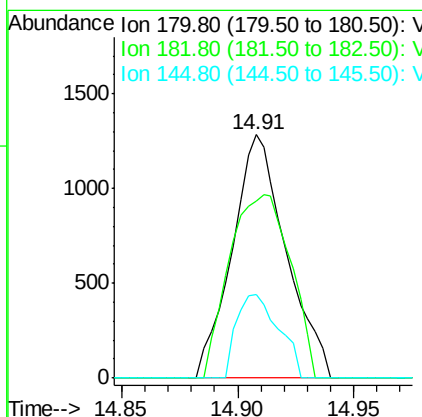
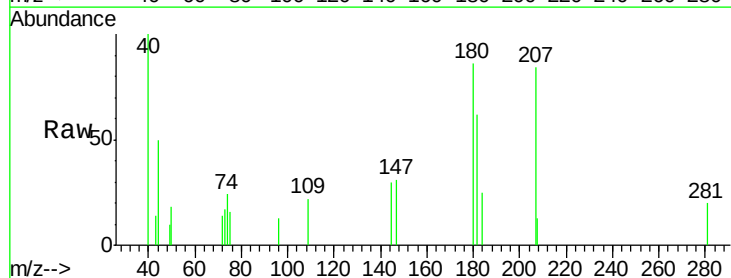
Manual Integrations
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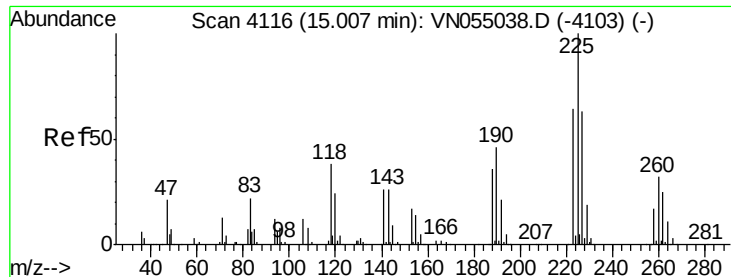
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.904 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.9	47.5	142.6
145	26.6	14.2	42.8





#94

Hexachlorobutadiene

Concen: 1.017 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Instrument :

MSVOA_N

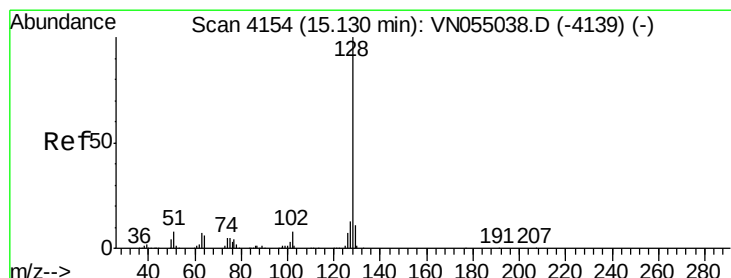
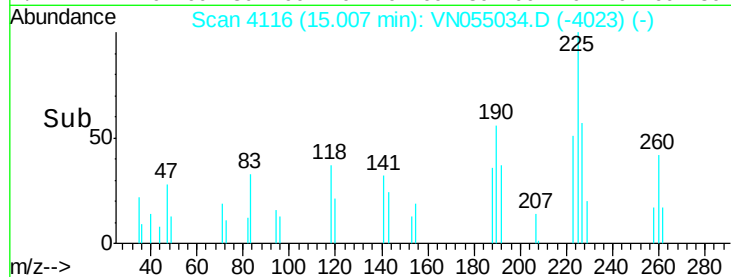
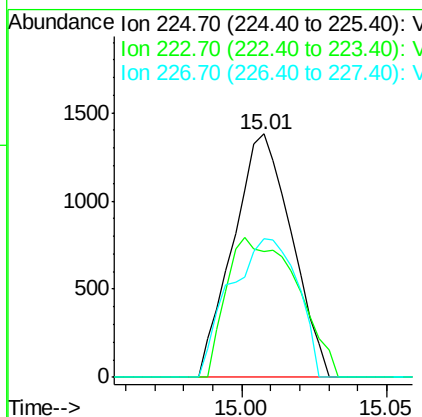
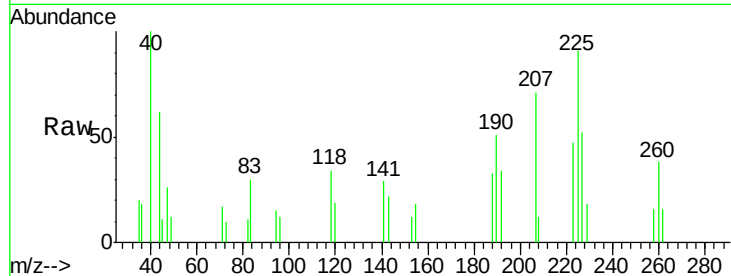
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	1929
Ion Ratio	Lower	Upper	
225	100		
223	69.5	31.4	94.0
227	65.8	32.6	97.7

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#95

Naphthalene

Concen: 0.759 ug/l

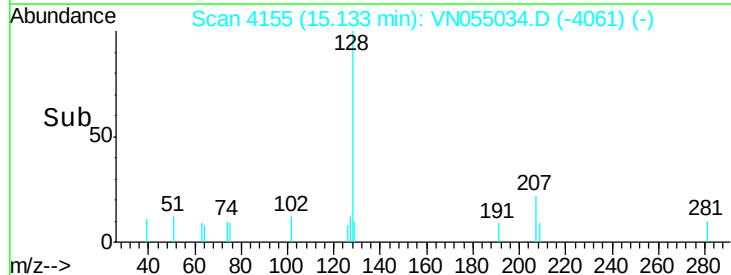
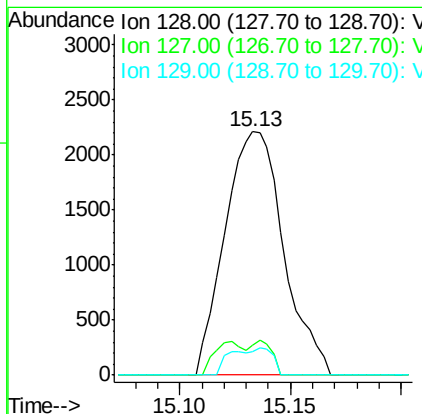
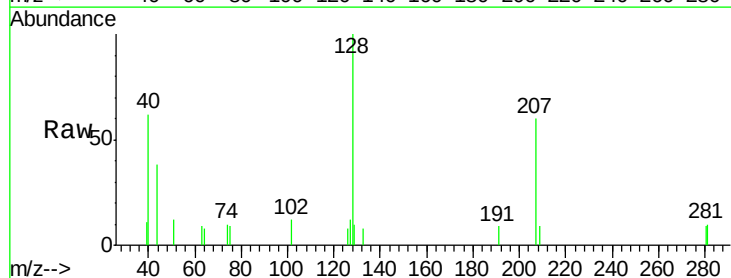
RT: 15.13 min Scan# 4155

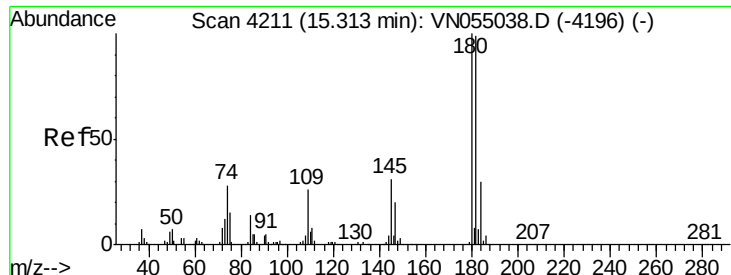
Delta R.T. 0.00 min

Lab File: VN055034.D

Acq: 15 Apr 2019 9:15

Tgt Ion:	128	Resp:	4072
Ion Ratio	Lower	Upper	
128	100		
127	5.1	10.1	15.1#
129	8.0	8.8	13.2#





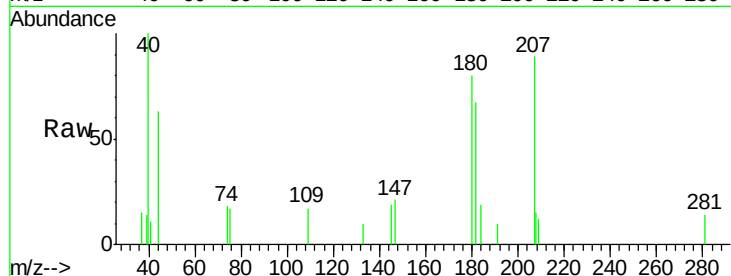
#96
 1,2,3-Trichlorobenzene
 Concen: 0.821 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN055034.D
 Acq: 15 Apr 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	2014
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.0	144.0
145	27.9	15.3	45.9

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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

