

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051271.D
 Acq On : 17 Sep 2018 13:13
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:52 PM

Quant Time: Sep 18 05:46:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	496074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	751738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	608665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	181189	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	5217	1.07	ug/l	100
3) Chloromethane	2.06	50	8891	1.30	ug/l	96
4) Vinyl Chloride	2.18	62	7692	1.16	ug/l	95
5) Bromomethane	2.57	94	7713	1.74	ug/l	98
6) Chloroethane	2.70	64	4555	1.12	ug/l	98
7) Trichlorofluoromethane	3.01	101	10262	1.17	ug/l	89
8) Diethyl Ether	3.41	74	3052	0.96	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.76	101	6554	1.16	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	5522	1.04	ug/l	92
14) Allyl chloride	4.33	41	7891	0.98	ug/l	99
15) Acrylonitrile	5.00	53	7273	3.94	ug/l #	83
16) Acetone	3.82	43	8346	5.48	ug/l	88
17) Carbon Disulfide	4.06	76	26707	1.53	ug/l	95
18) Methyl Acetate	4.33	43	7824	1.78	ug/l #	87
19) Methyl tert-butyl Ether	5.05	73	11503	0.83	ug/l	98
20) Methylene Chloride	4.55	84	7254	1.19	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	6780m	1.18	ug/l	
22) Diisopropyl ether	5.96	45	12846	0.81	ug/l #	86
23) Vinyl Acetate	5.90	43	41551	3.87	ug/l	99
24) 1,1-Dichloroethane	5.85	63	10204	1.00	ug/l #	93
25) 2-Butanone	6.84	43	9147	4.31	ug/l	90
26) 2,2-Dichloropropane	6.82	77	8391	1.01	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	6381	1.01	ug/l	98
28) Bromochloromethane	7.20	49	4593	1.03	ug/l #	95
29) Tetrahydrofuran	7.22	42	5300	3.99	ug/l #	76
30) Chloroform	7.37	83	10799	1.07	ug/l	91
31) Cyclohexane	7.66	56	15588	1.52	ug/l #	30
32) 1,1,1-Trichloroethane	7.57	97	9013	1.04	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	8611	1.03	ug/l	92
37) Ethyl Acetate	6.94	43	4535m	0.96	ug/l	
38) Carbon Tetrachloride	7.78	117	8958	1.08	ug/l	91
39) Methylcyclohexane	9.08	83	8489	0.93	ug/l	91
40) Benzene	8.05	78	23601	0.94	ug/l	99
41) Methacrylonitrile	7.18	41	2155m	0.87	ug/l	

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

42) 1,2-Dichloroethane	8.13	62	7343	1.01	ug/l	95
43) Isopropyl Acetate	8.16	43	6319	0.76	ug/l	95
44) Trichloroethene	8.84	130	7597	1.11	ug/l	94
45) 1,2-Dichloropropane	9.12	63	5601	0.87	ug/l #	79
46) Dibromomethane	9.21	93	4017	1.02	ug/l #	61
47) Bromodichloromethane	9.40	83	7612	0.94	ug/l #	97
48) Methyl methacrylate	9.21	41	3116	0.77	ug/l	92
49) 1,4-Dioxane	9.21	88	976	15.40	ug/l #	88
51) 4-Methyl-2-Pentanone	9.99	43	15124	3.29	ug/l	100
52) Toluene	10.16	92	12764	0.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	6323	0.79	ug/l	94
54) cis-1,3-Dichloropropene	9.84	75	8056	0.86	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	4836	0.88	ug/l	98
56) Ethyl methacrylate	10.44	69	3837	0.59	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	7643	0.84	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.70	63	7677	2.83	ug/l	99
59) 2-Hexanone	10.75	43	10632	3.42	ug/l	93
60) Dibromochloromethane	10.90	129	5442	0.87	ug/l	91
61) 1,2-Dibromoethane	11.01	107	4054	0.75	ug/l	86
64) Tetrachloroethene	10.63	164	6994	1.24	ug/l	92
65) Chlorobenzene	11.44	112	15729	1.02	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	5930	1.06	ug/l #	65
67) Ethyl Benzene	11.51	91	21633	0.86	ug/l	99
68) m/p-Xylenes	11.62	106	16389	1.70	ug/l	93
69) o-Xylene	11.95	106	7497	0.80	ug/l	100
70) Styrene	11.97	104	9992	0.69	ug/l	96
71) Bromoform	12.13	173	3447	0.88	ug/l #	96
73) Isopropylbenzene	12.25	105	18201	1.19	ug/l	96
74) N-amyl acetate	12.08	43	3926	1.05	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.50	83	5670	1.41	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	3616m	1.12	ug/l	
77) Bromobenzene	12.53	156	5828	1.42	ug/l	97
78) n-propylbenzene	12.59	91	18600	1.11	ug/l	97
79) 2-Chlorotoluene	12.67	91	13519	1.29	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	13386	1.08	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.31	75	799	0.85	ug/l #	80
82) 4-Chlorotoluene	12.77	91	11574	1.11	ug/l	96
83) tert-Butylbenzene	12.99	119	12294	1.13	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	11689	0.96	ug/l	99
85) sec-Butylbenzene	13.17	105	14819	1.06	ug/l	95
86) p-Isopropyltoluene	13.29	119	10467	0.88	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	8528	1.23	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	9018m	1.32	ug/l	
89) n-Butylbenzene	13.62	91	6474	0.71	ug/l	96
90) Hexachloroethane	13.88	117	3561	1.46	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	8680	1.28	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	626	1.07	ug/l	68
93) 1,2,4-Trichlorobenzene	14.91	180	4504	1.58	ug/l	98
94) Hexachlorobutadiene	15.01	225	4816	2.01	ug/l	93
95) Naphthalene	15.13	128	9146	1.53	ug/l #	95

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ClientSampleId :
VSTDICC001

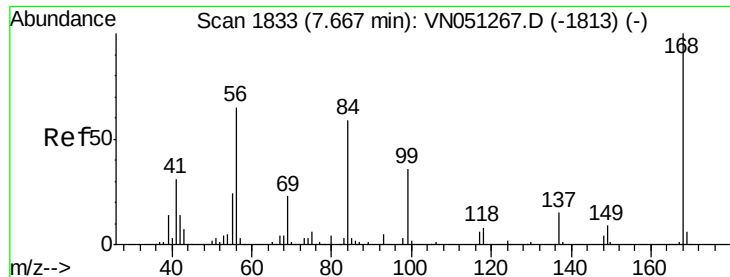
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	4844	1.63	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 496074

Ion Ratio Lower Upper

168 100

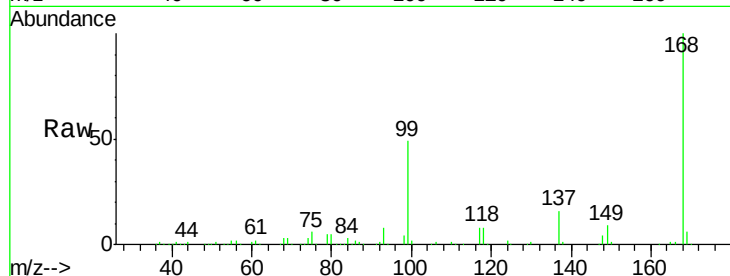
99 48.5 38.2 57.4

Manual Integrations

APPROVED

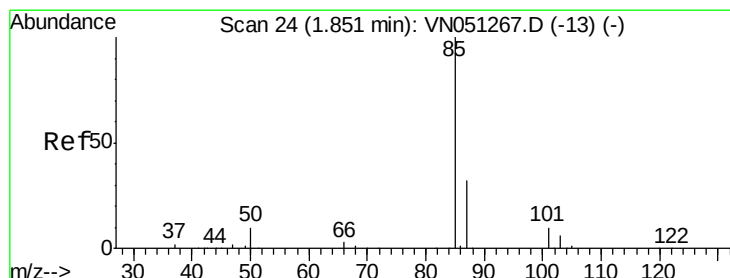
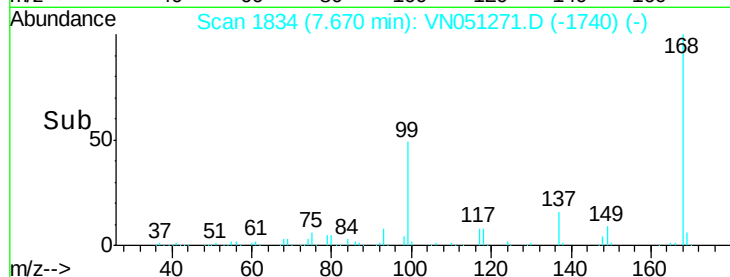
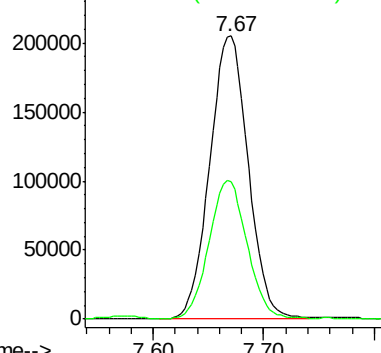
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 1.07 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051271.D

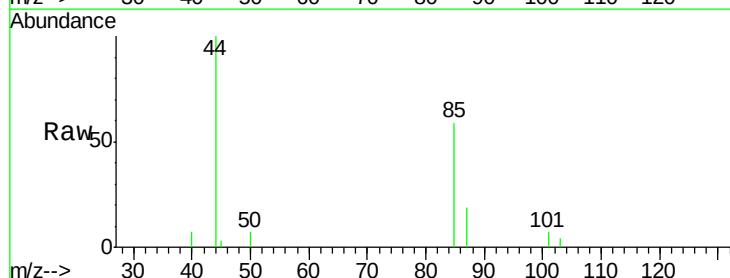
Acq: 17 Sep 2018 13:13

Tgt Ion: 85 Resp: 5217

Ion Ratio Lower Upper

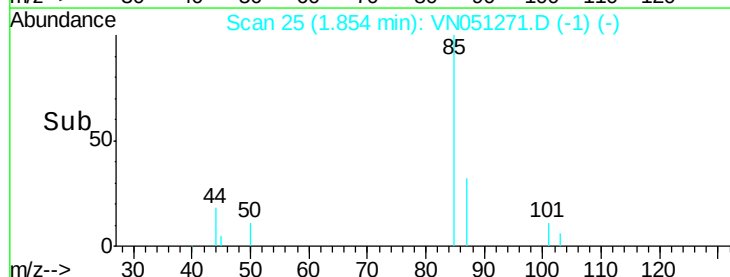
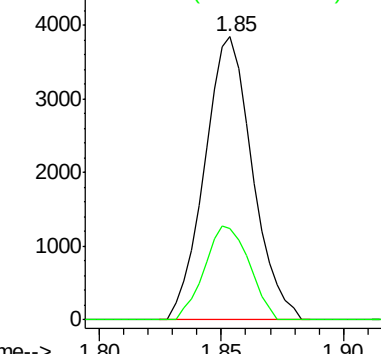
85 100

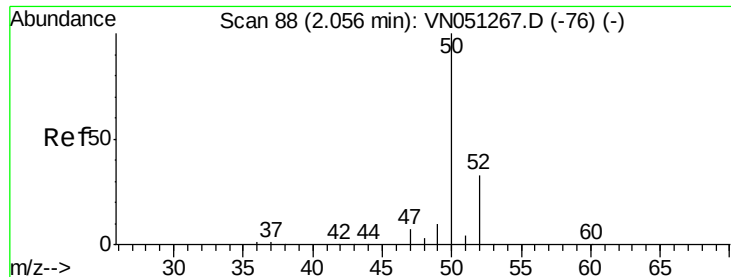
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 1.30 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 8891

Ion Ratio Lower Upper

50 100

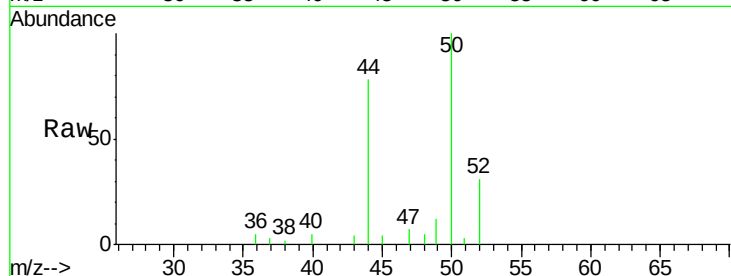
52 31.1 26.6 40.0

Manual Integrations

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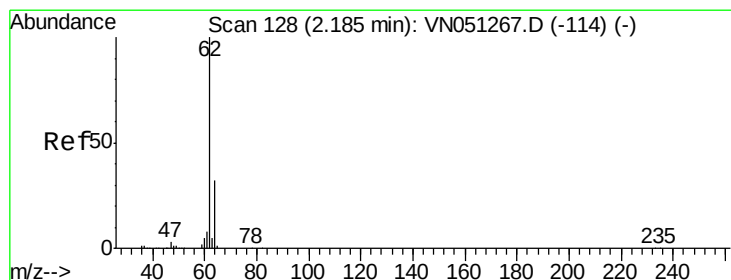
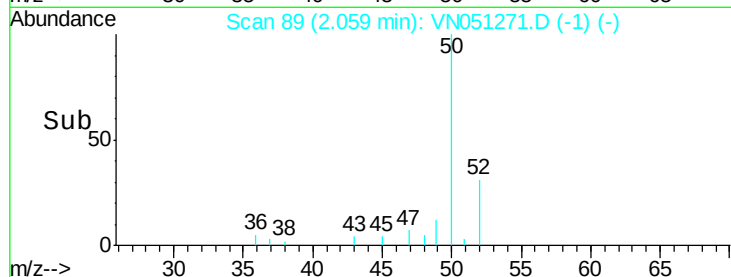
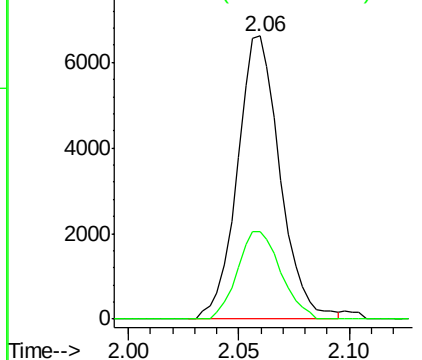
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 1.16 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051271.D

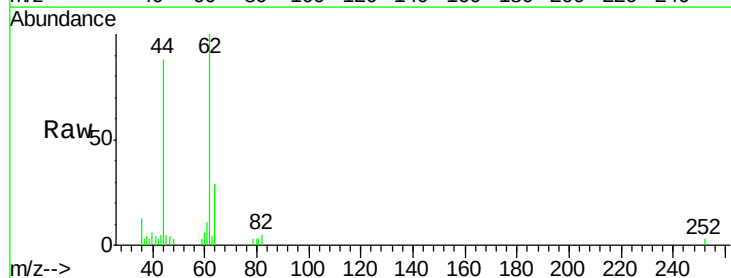
Acq: 17 Sep 2018 13:13

Tgt Ion: 62 Resp: 7692

Ion Ratio Lower Upper

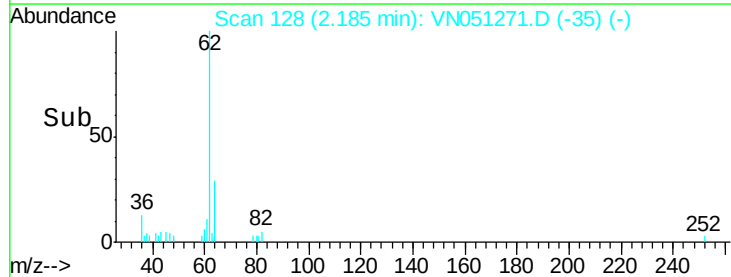
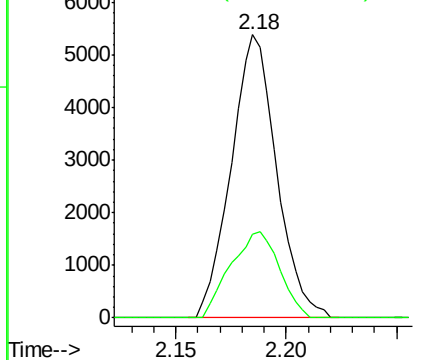
62 100

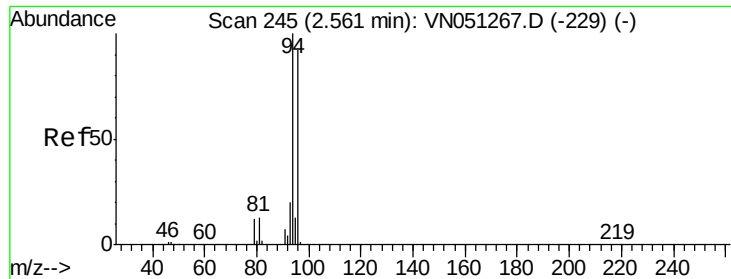
64 29.5 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 1.74 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 7713

Ion Ratio Lower Upper

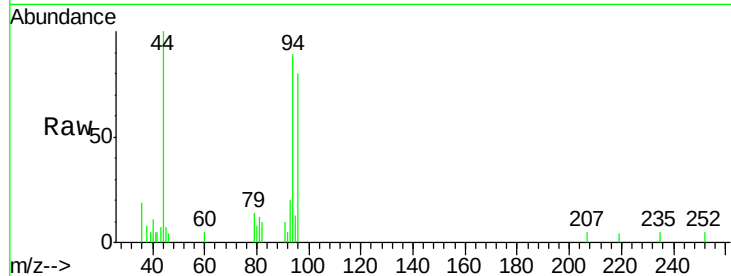
94 100

96 90.1 73.8 110.8

Manual Integrations
APPROVED

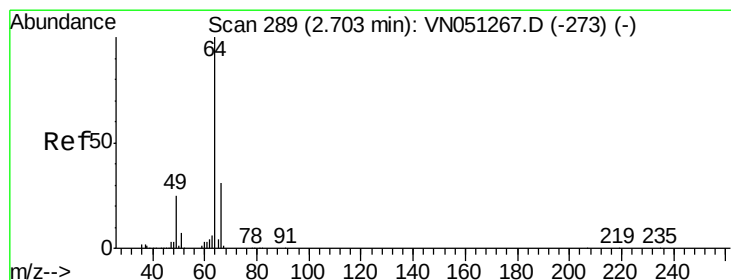
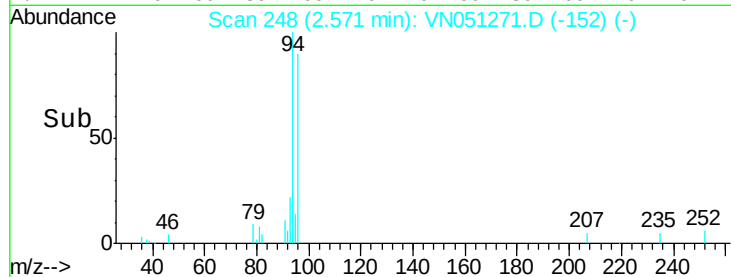
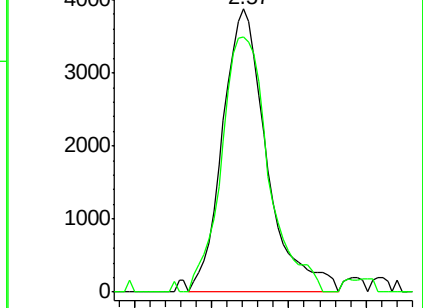
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.12 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051271.D

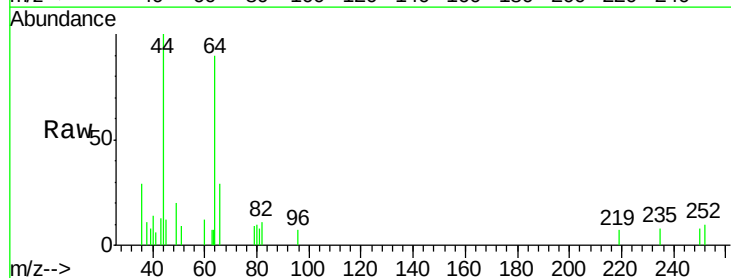
Acq: 17 Sep 2018 13:13

Tgt Ion: 64 Resp: 4555

Ion Ratio Lower Upper

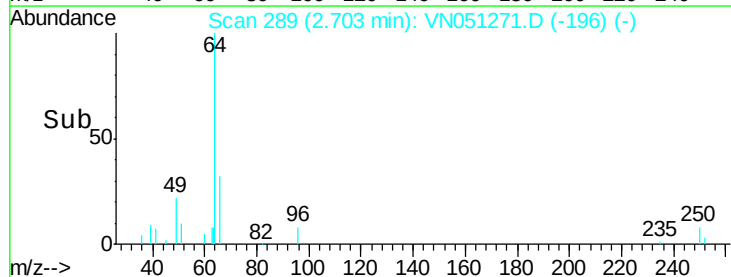
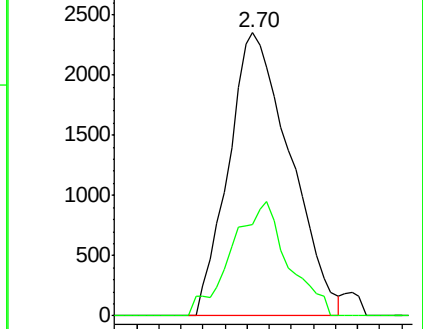
64 100

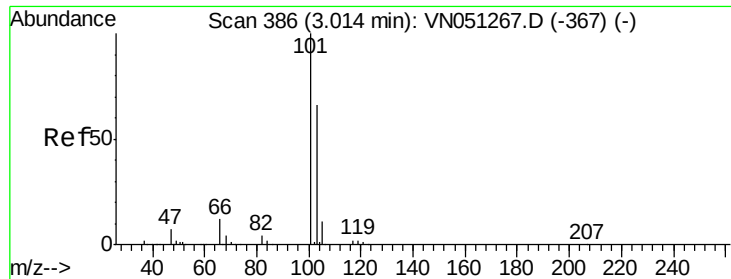
66 32.4 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

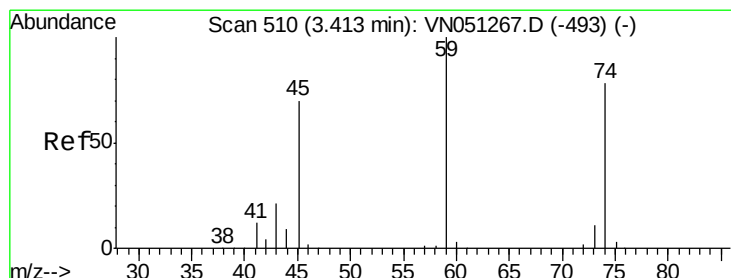
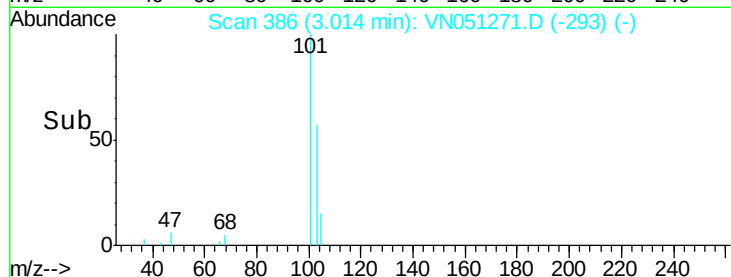
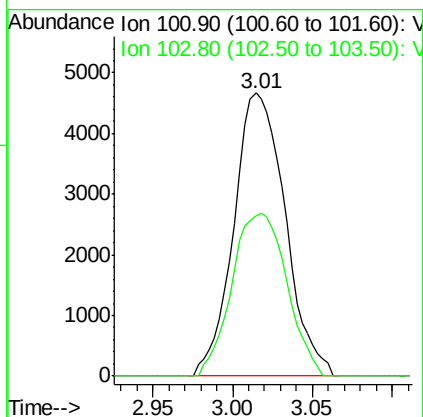
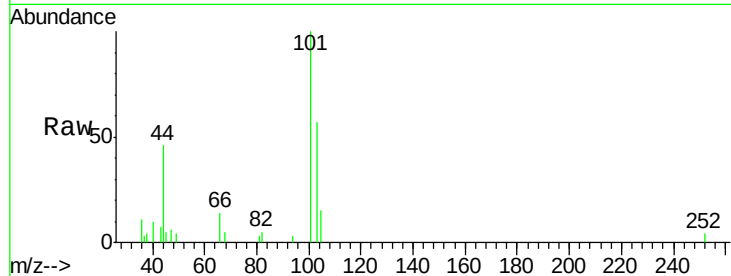
Trichlorofluoromethane
 Concen: 1.17 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 10262
 Ion Ratio Lower Upper
 101 100
 103 56.8 52.7 79.1

Manual Integrations
 APPROVED

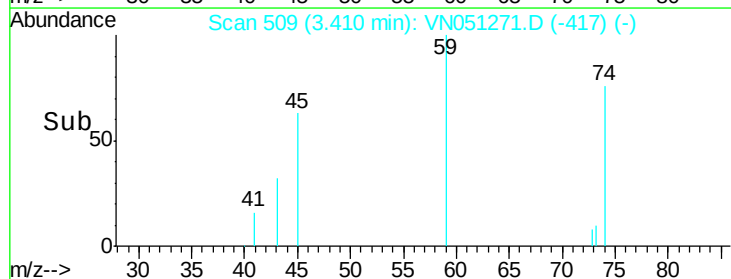
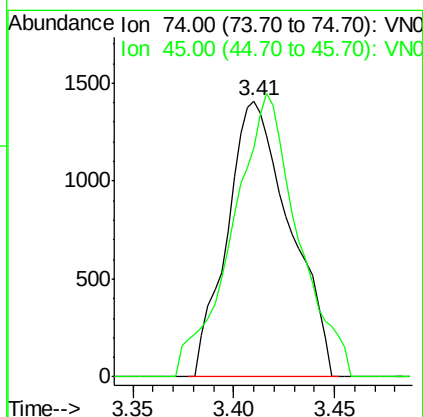
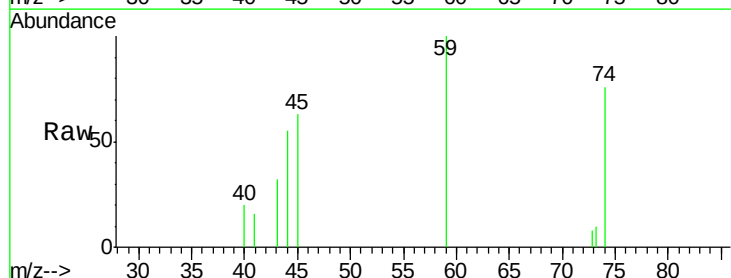
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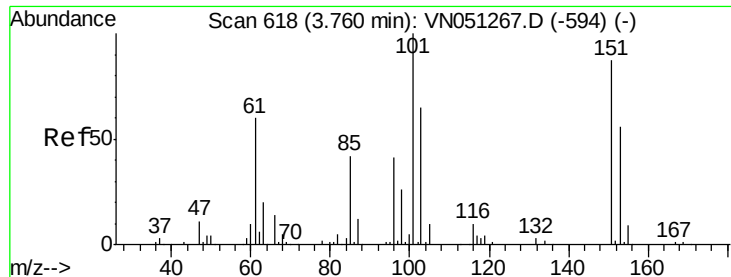


#8

Diethyl Ether
 Concen: 0.96 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion: 74 Resp: 3052
 Ion Ratio Lower Upper
 74 100
 45 107.4 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.16 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

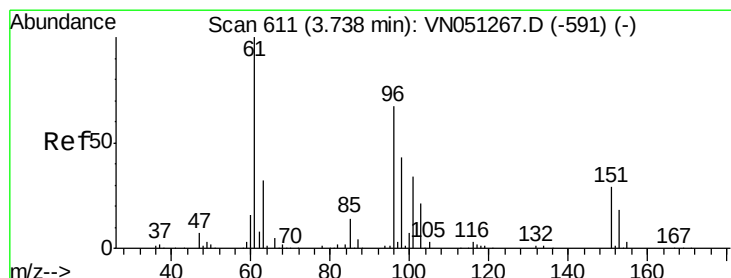
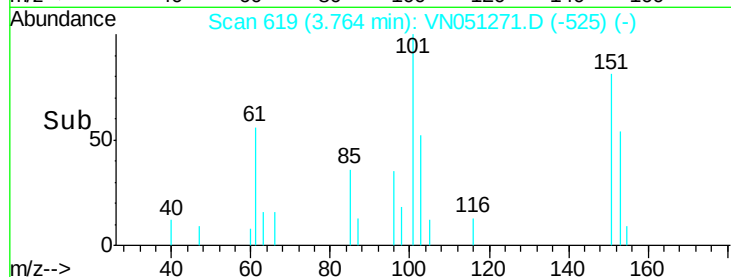
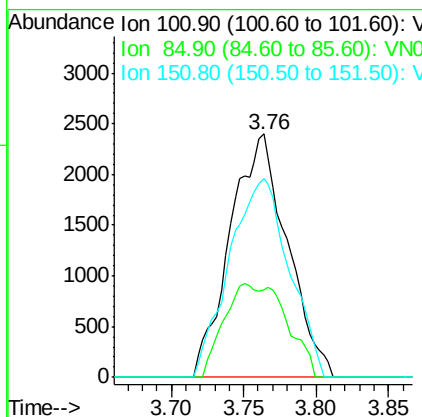
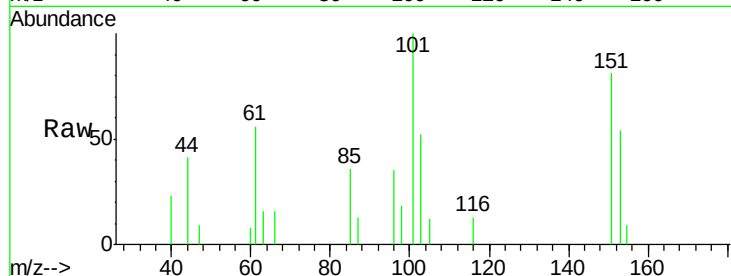
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	23.3	33.0	49.6#
151	85.5	69.8	104.8

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.04 ug/l

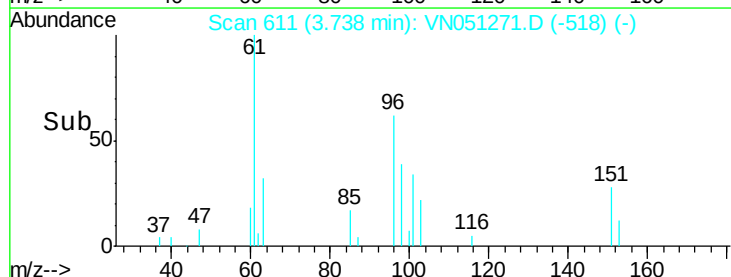
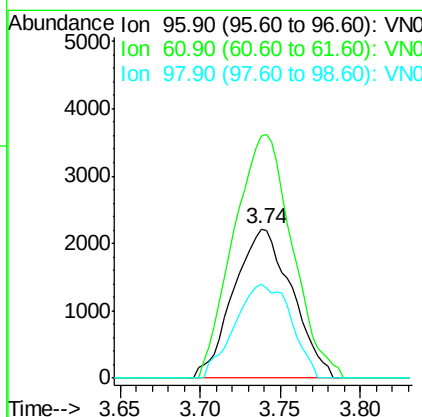
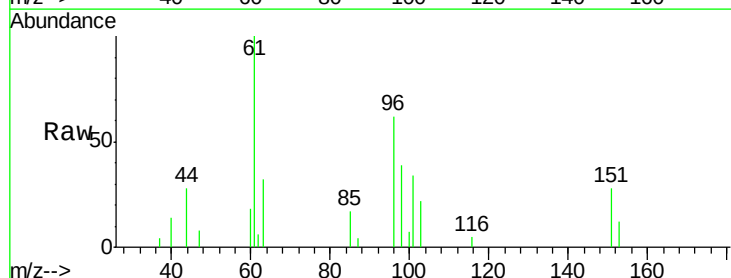
RT: 3.74 min Scan# 611

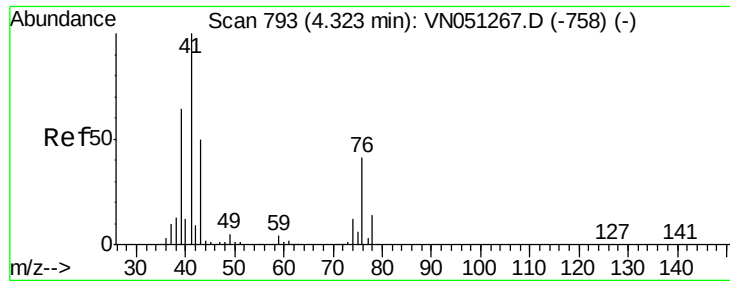
Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	119.3	178.9
98	63.2	51.8	77.6





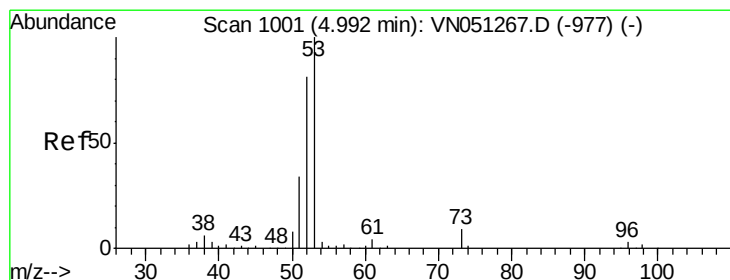
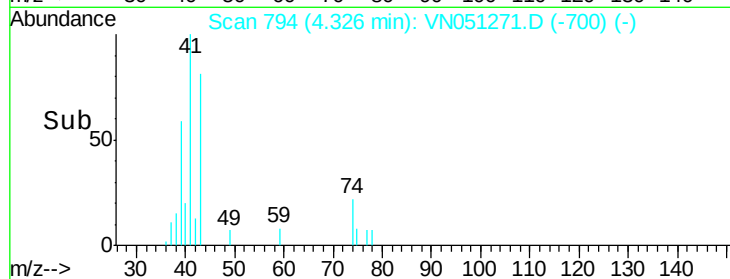
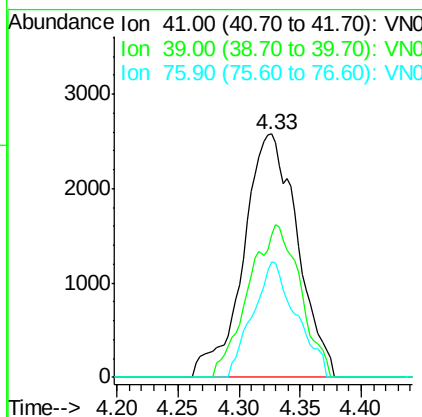
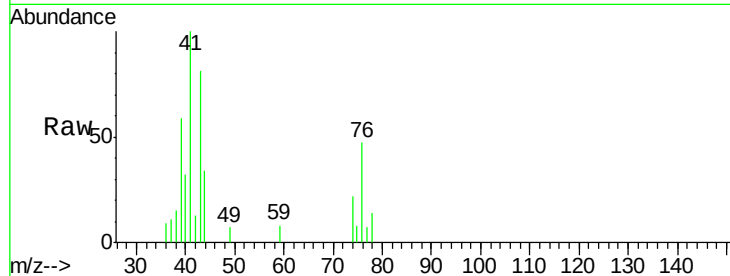
#14
Allvl chloride
Concen: 0.98 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:	41	Resp:	7891
Ion	Ratio	Lower	Upper
41	100		
39	60.3	49.0	73.4
76	38.1	31.4	47.0

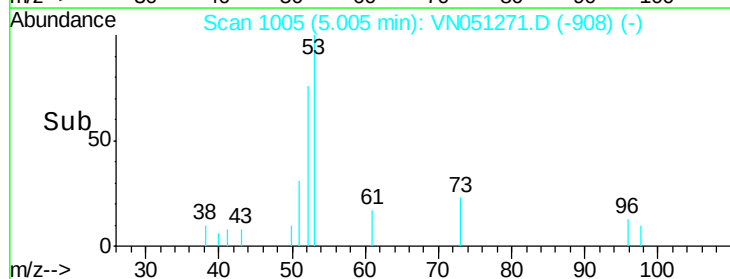
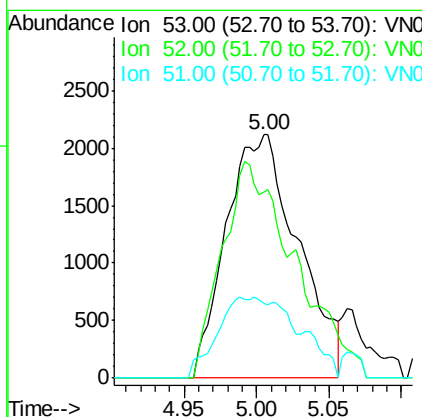
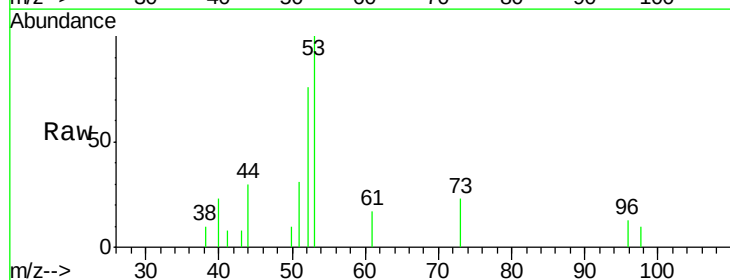
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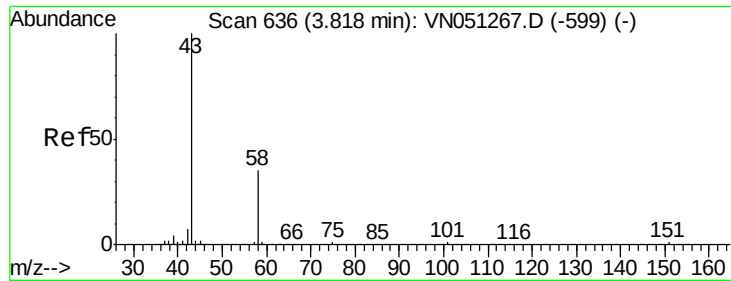
MMDadoda
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#15
Acrylonitrile
Concen: 3.94 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion:	53	Resp:	7273
Ion	Ratio	Lower	Upper
53	100		
52	90.4	65.0	97.6
51	15.3	28.0	42.0#





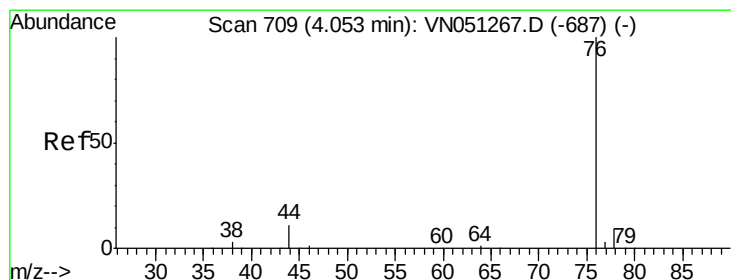
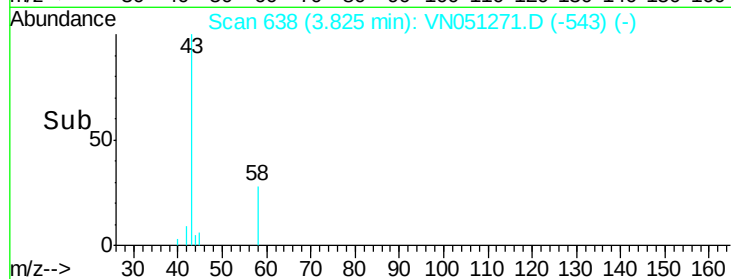
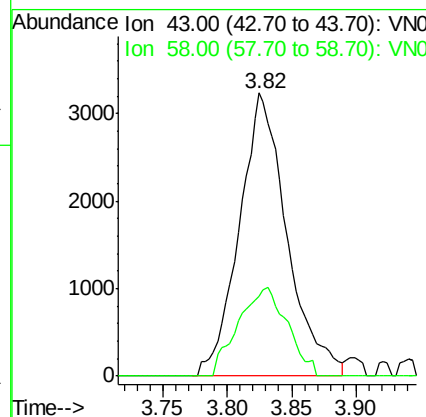
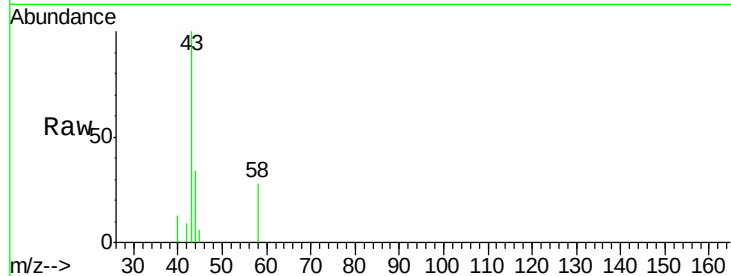
#16
Acetone
Concen: 5.48 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	8346
Ion Ratio	100	Lower	Upper
43	100		
58	28.2	28.2	42.2

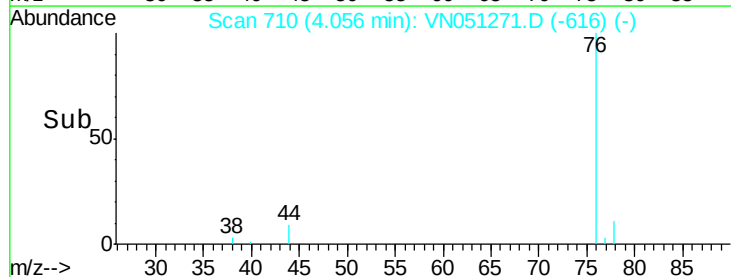
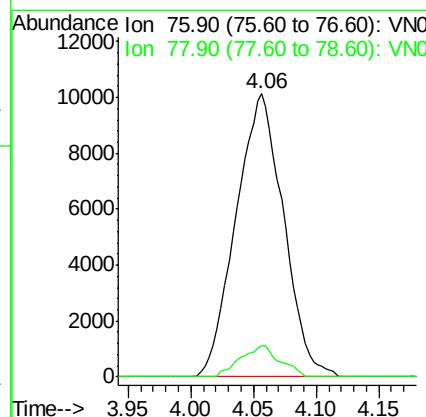
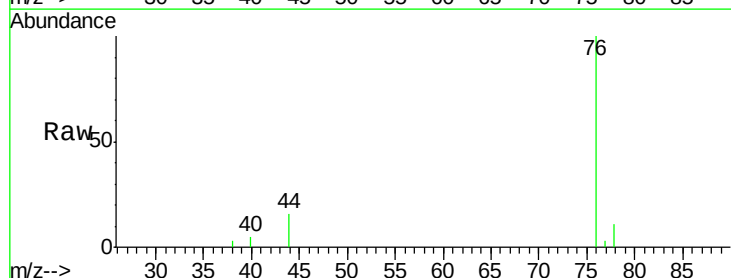
Manual Integrations
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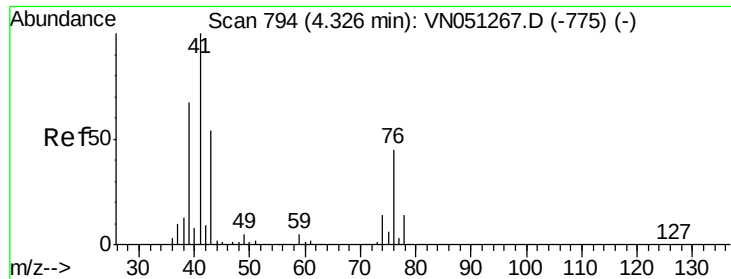
MMDadoda
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#17
Carbon Disulfide
Concen: 1.53 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion	76	Resp	26707
Ion Ratio	100	Lower	Upper
76	100		
78	11.0	7.4	11.0





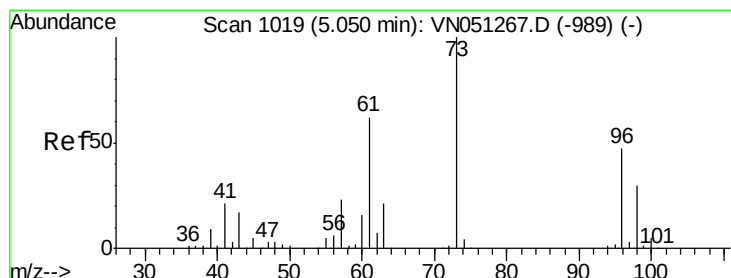
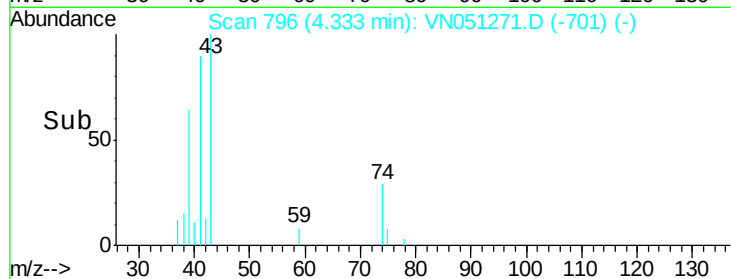
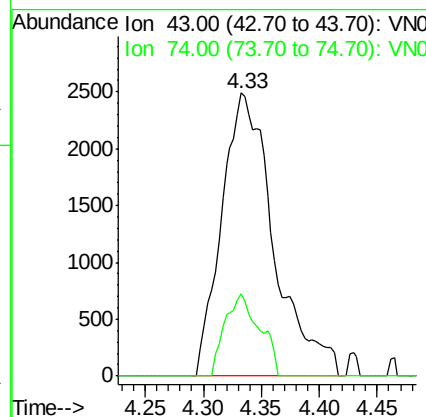
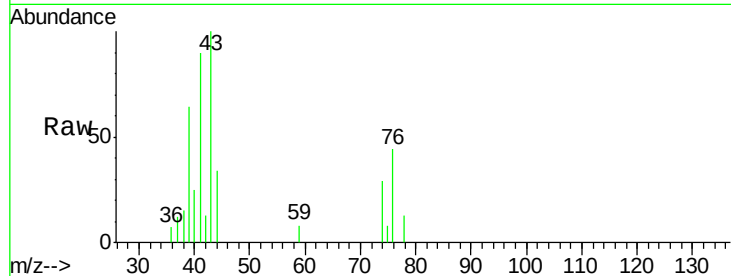
#18
Methyl Acetate
Concen: 1.78 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 7824
Ion Ratio Lower Upper
43 100
74 19.3 20.8 31.2#

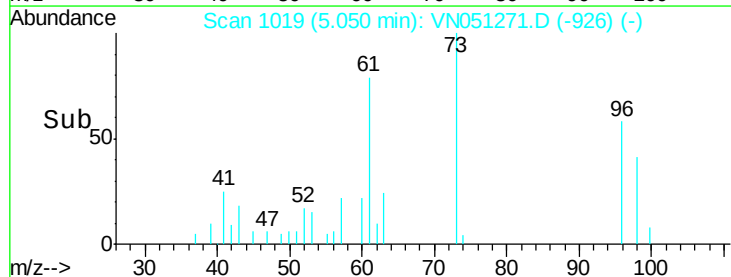
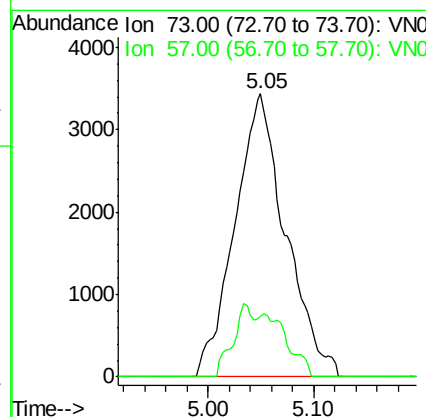
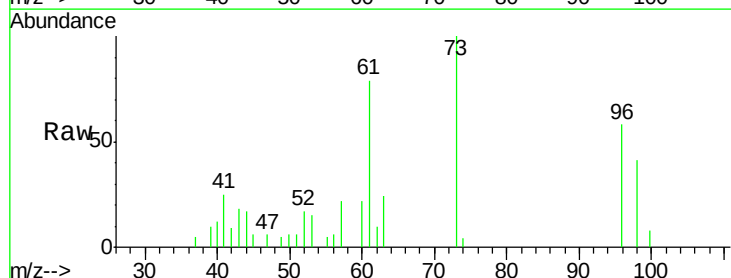
Manual Integrations
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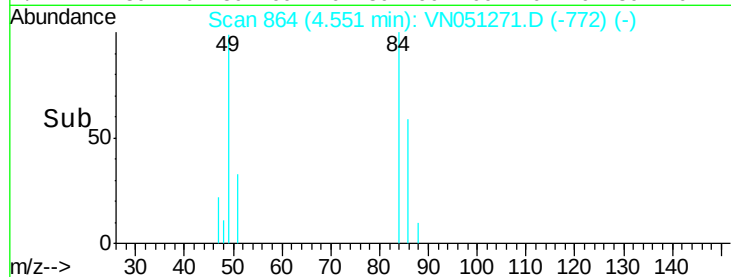
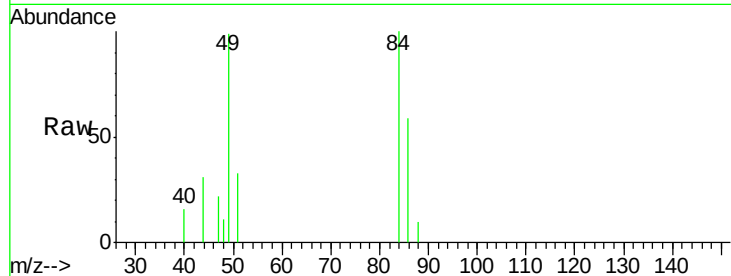
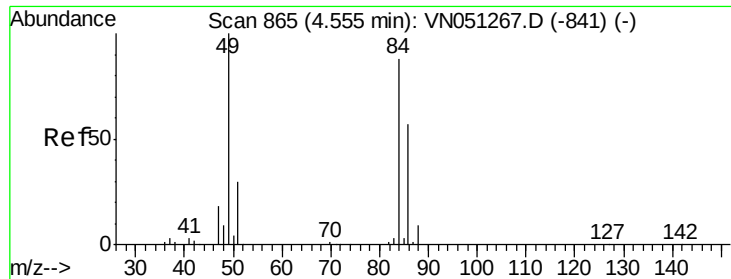
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.83 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion: 73 Resp: 11503
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1





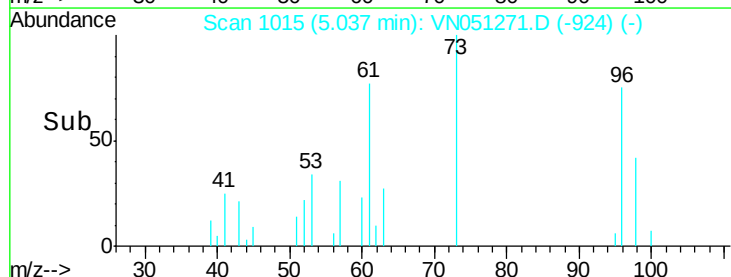
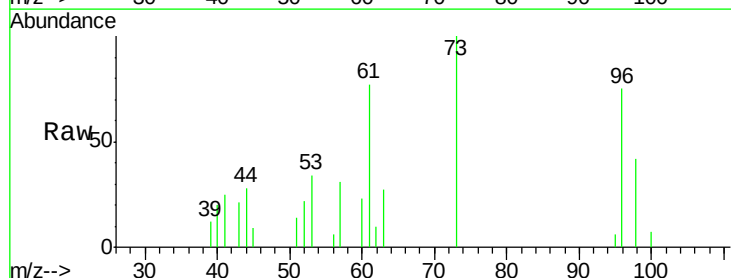
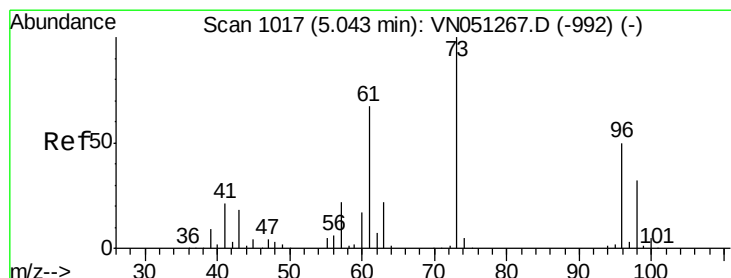
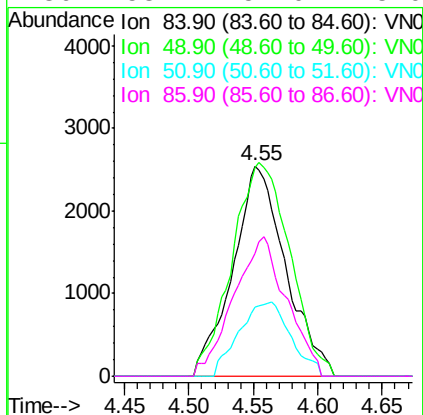
#20
Methvlene Chloride
Concen: 1.19 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tot Ion:	84	Resp:	7254
Ion	Ratio	Lower	Upper
84	100		
49	99.3	91.2	136.8
51	33.0	27.7	41.5
86	58.7	52.0	78.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

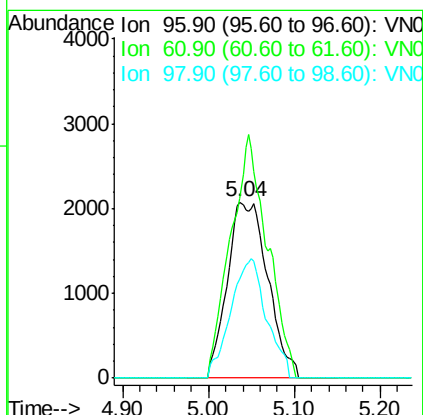
Manual Integrations
APPROVED

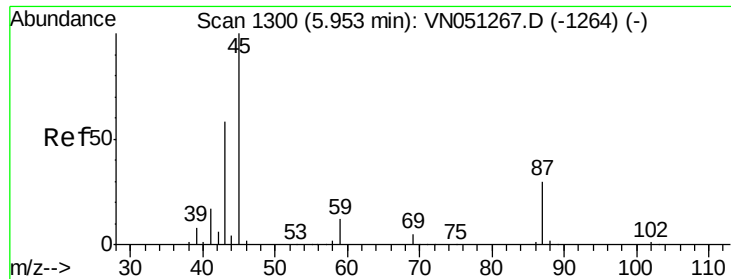
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#21
trans-1,2-Dichloroethene
Concen: 1.18 ug/l m
RT: 5.04 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion:	96	Resp:	6780
Ion	Ratio	Lower	Upper
96	100		
61	102.2	106.7	160.1#
98	56.3	51.4	77.0





#22

Diisopropyl ether

Concen: 0.81 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

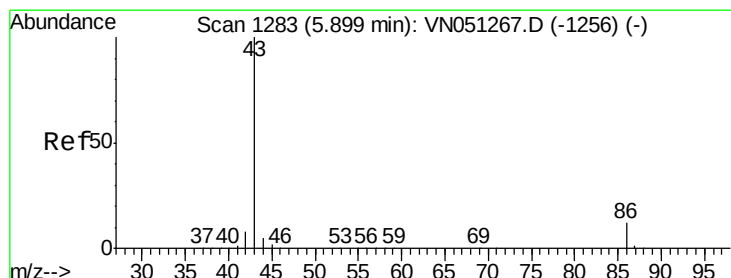
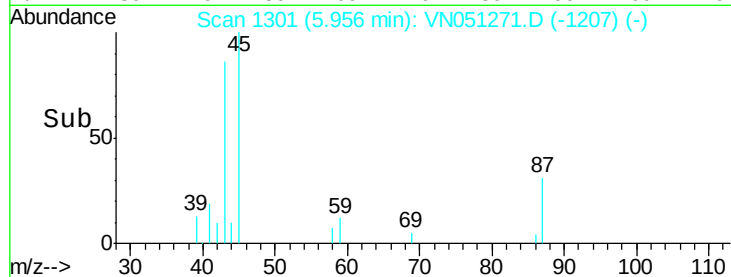
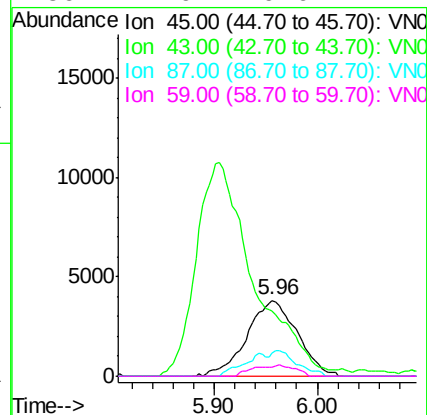
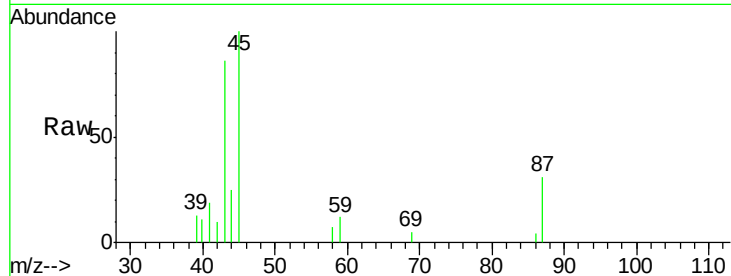
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	12846
Ion Ratio	Lower	Upper	
45	100		
43	76.7	46.7	70.1#
87	30.9	24.6	36.8
59	11.9	9.6	14.4

Manual Integrations
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#23

Vinyl Acetate

Concen: 3.87 ug/l

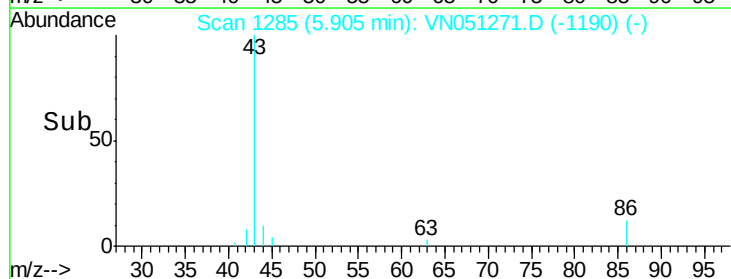
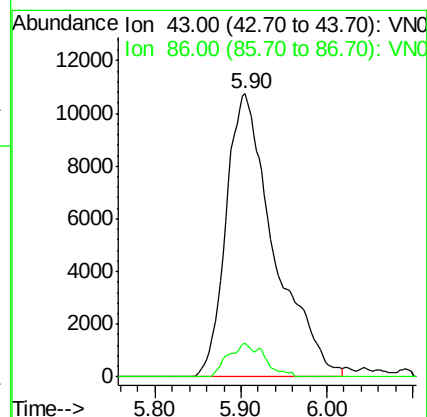
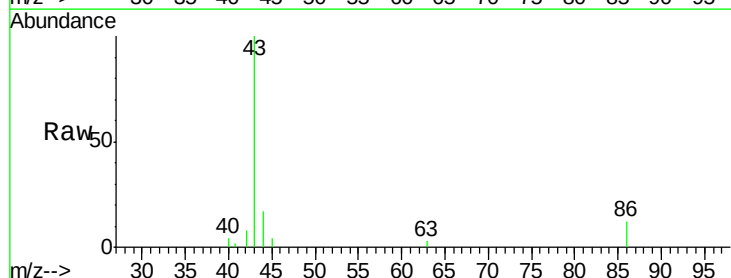
RT: 5.90 min Scan# 1285

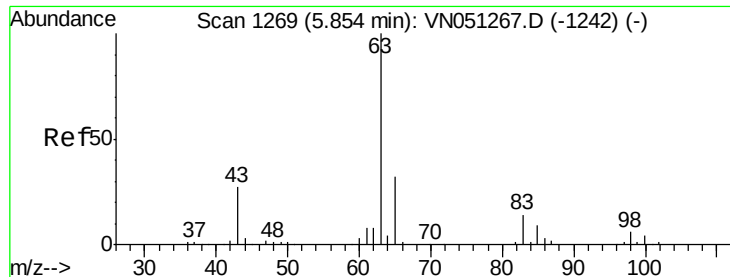
Delta R.T. 0.01 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Tgt Ion:	43	Resp:	41551
Ion Ratio	Lower	Upper	
43	100		
86	11.8	9.3	13.9





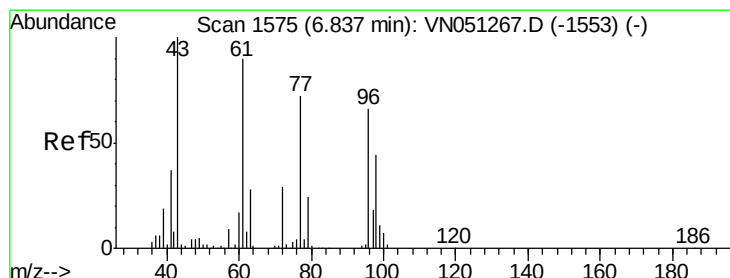
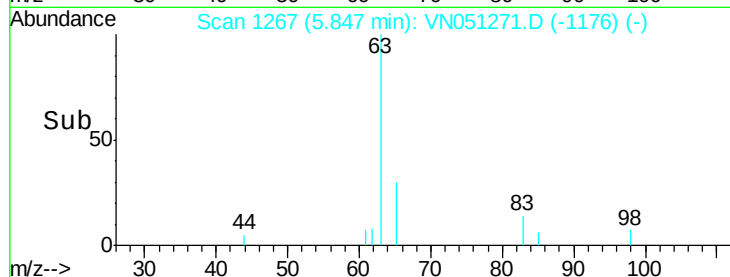
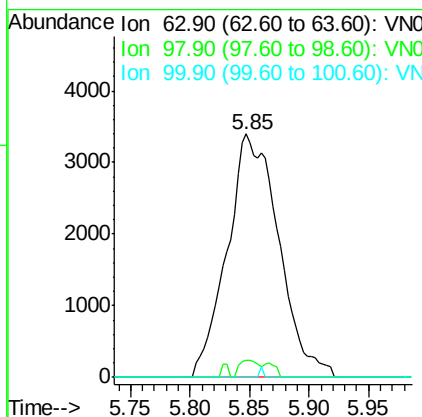
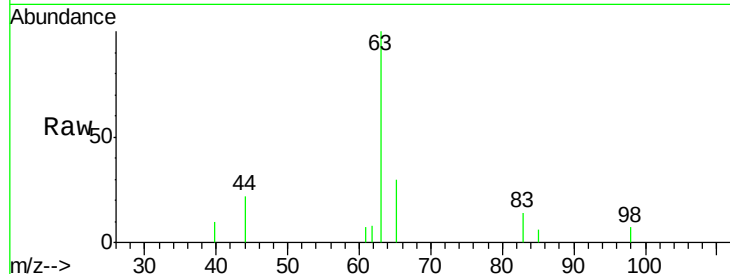
#24
 1,1-Dichloroethane
 Concen: 1.00 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
63	100	10204		
98	7.1		3.3	9.8
100	0.0		2.3	6.8#

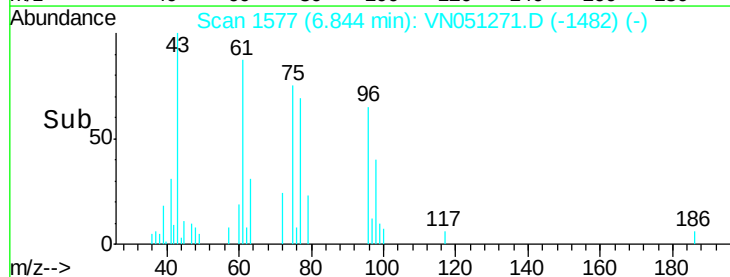
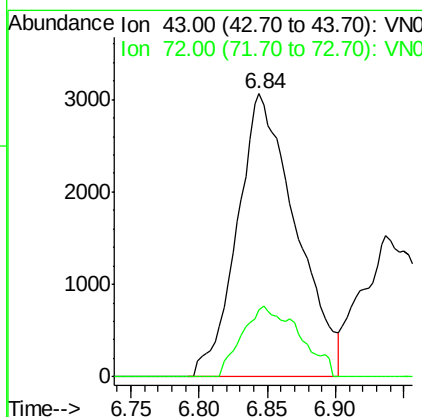
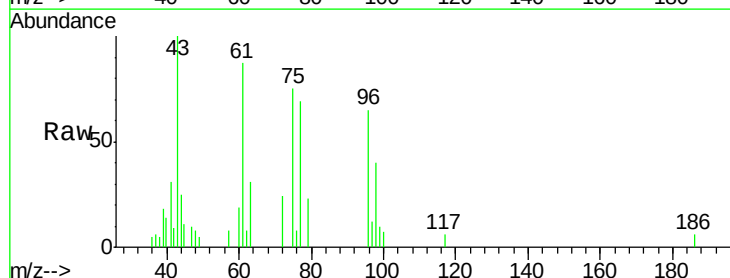
Manual Integrations
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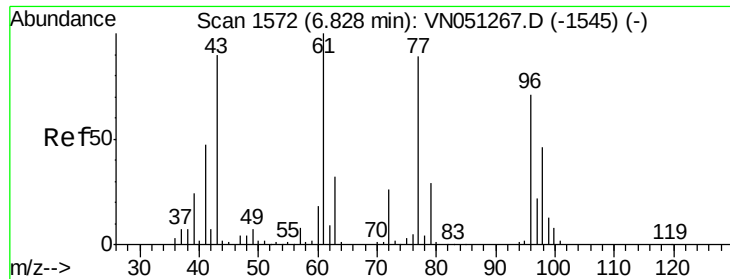
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#25
 2-Butanone
 Concen: 4.31 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	9147		
72	23.8		23.4	35.0





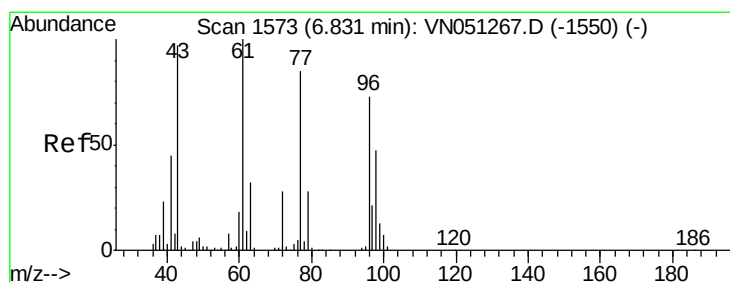
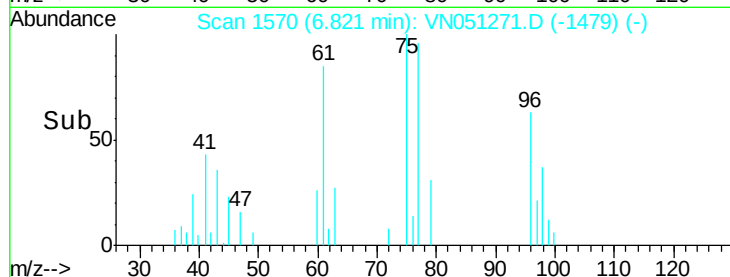
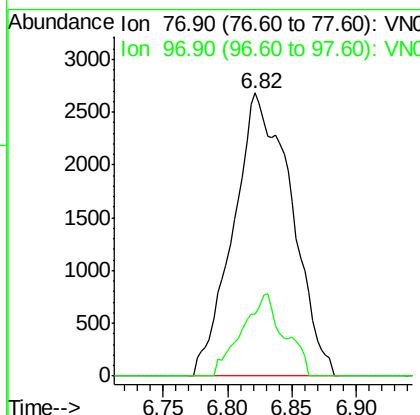
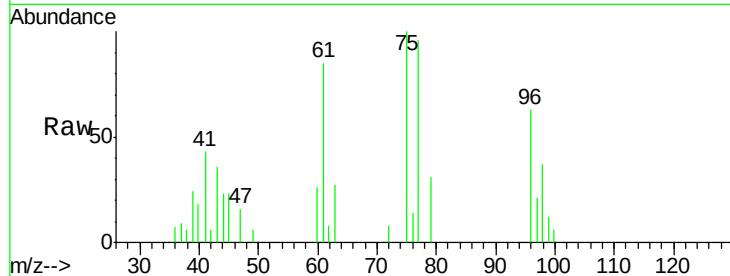
#26
 2,2-Dichloropropane
 Concen: 1.01 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.2	12.2	36.4

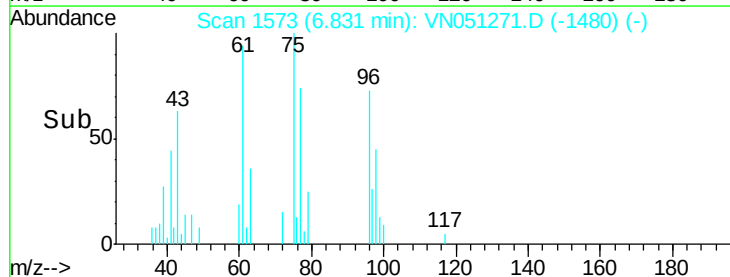
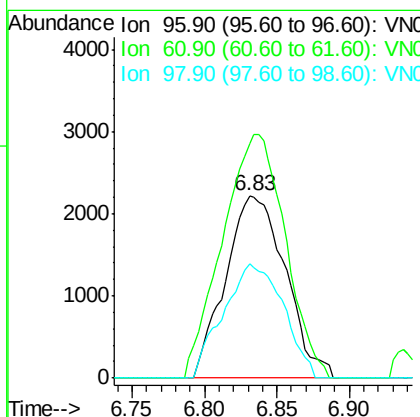
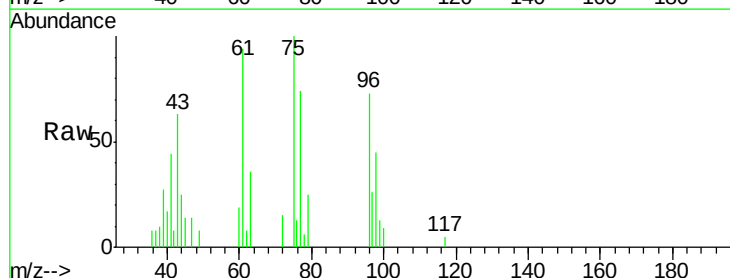
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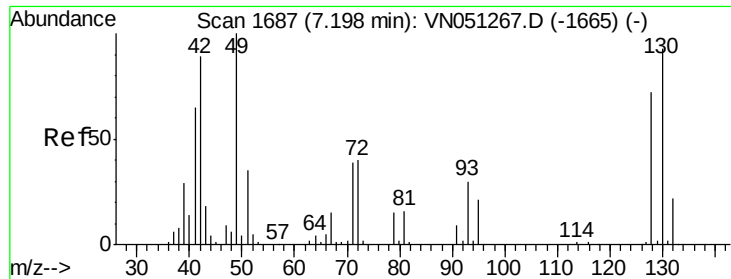
MMDadoda
 9/19/2018 4:57:52 PM



#27
 cis-1,2-Dichloroethene
 Concen: 1.01 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	276.2
98	62.5	0.0	129.2





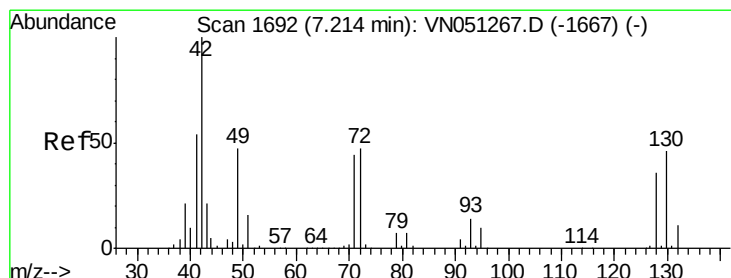
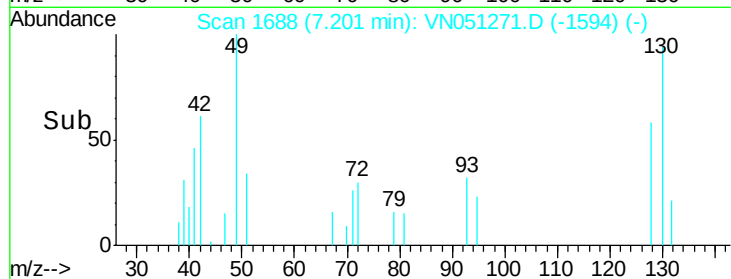
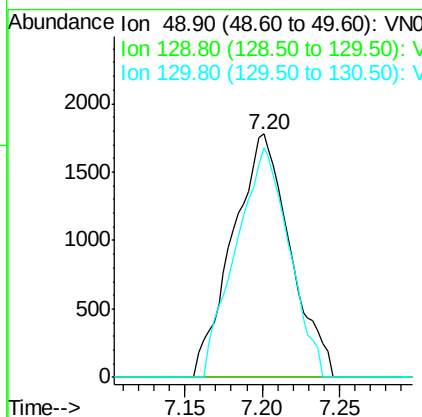
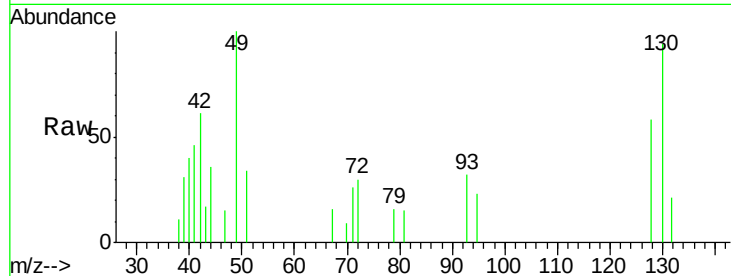
#28
Bromochloromethane
Concen: 1.03 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 49 Resp: 4593
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 87.5 73.7 110.5

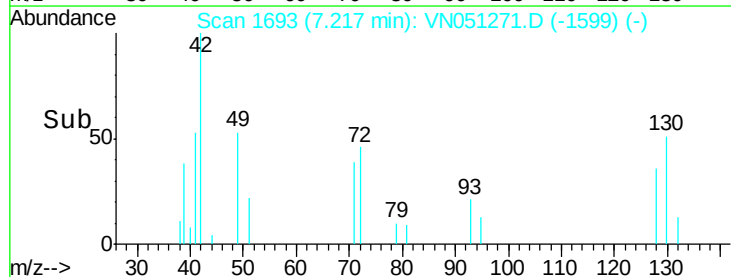
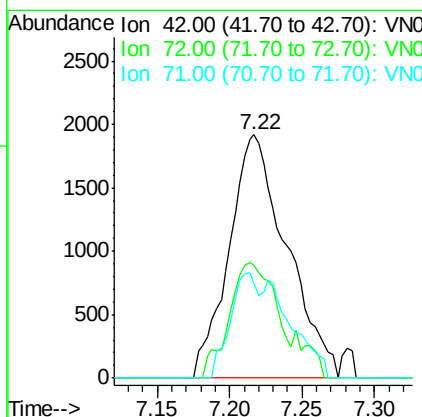
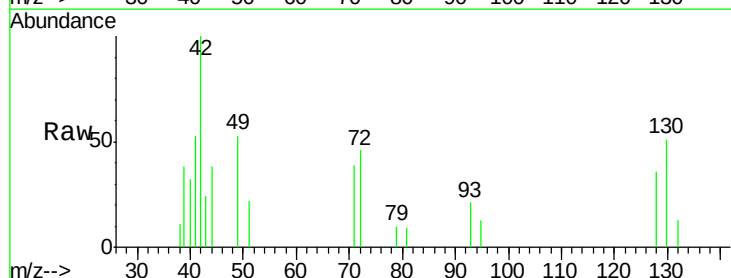
Manual Integrations
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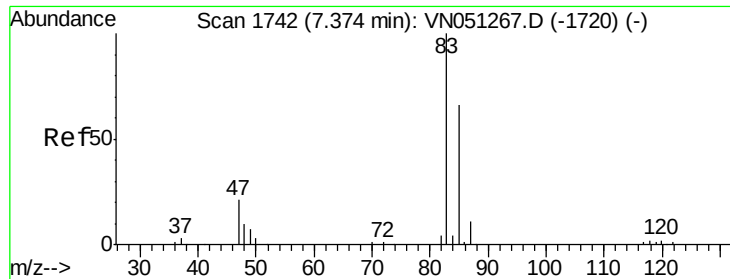
MMDadoda
9/19/2018 4:57:52 PM



#29
Tetrahydrofuran
Concen: 3.99 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion: 42 Resp: 5300
Ion Ratio Lower Upper
42 100
72 38.5 37.6 56.4
71 20.7 35.4 53.2#





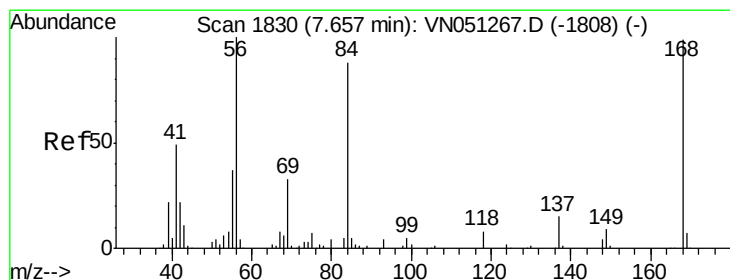
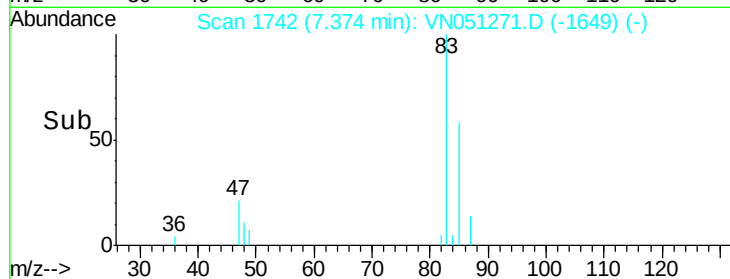
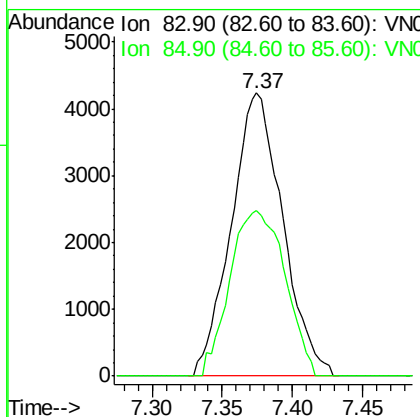
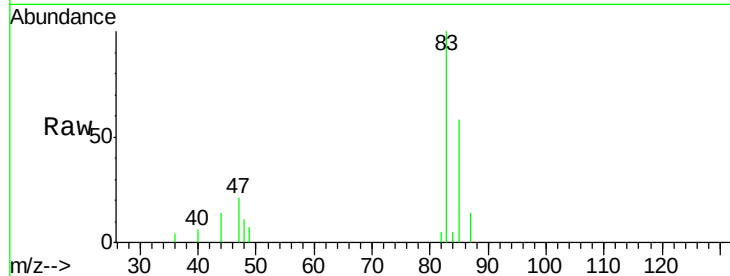
#30
Chloroform
Concen: 1.07 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	10799
Ion Ratio	100	Lower	Upper
85	58.4	52.4	78.6

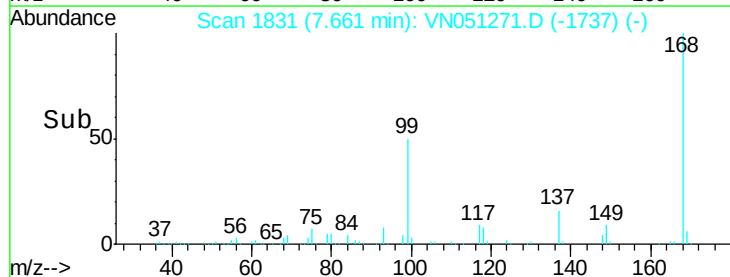
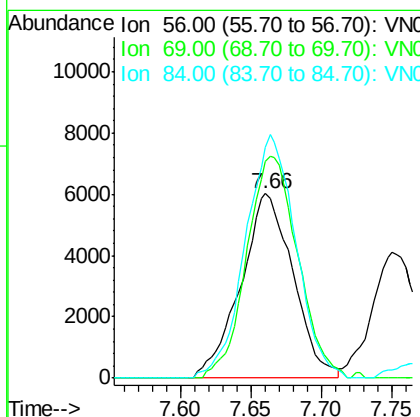
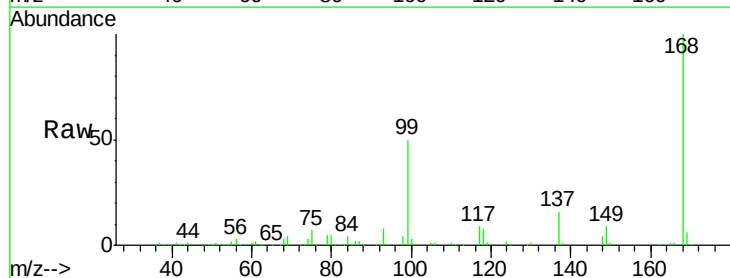
Manual Integrations
APPROVED

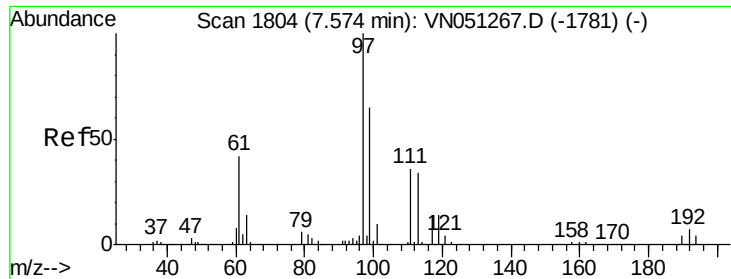
MMDadoda
9/19/2018 4:57:52 PM



#31
Cyclohexane
Concen: 1.52 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion	56	Resp	15588
Ion Ratio	100	Lower	Upper
69	117.2	26.2	39.2#
84	125.3	70.6	106.0#





#32

1,1,1-Trichloroethane

Concen: 1.04 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

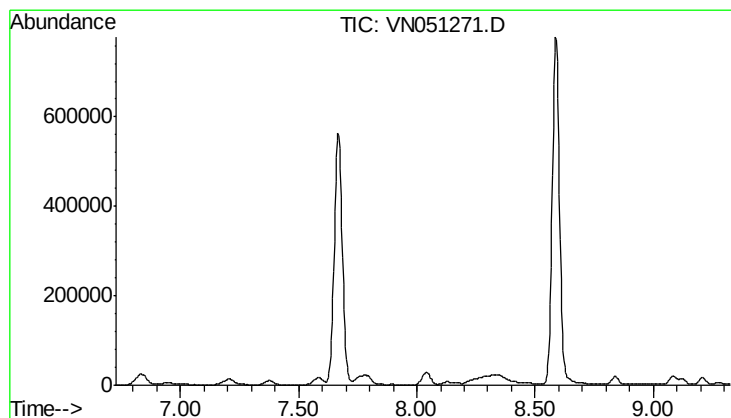
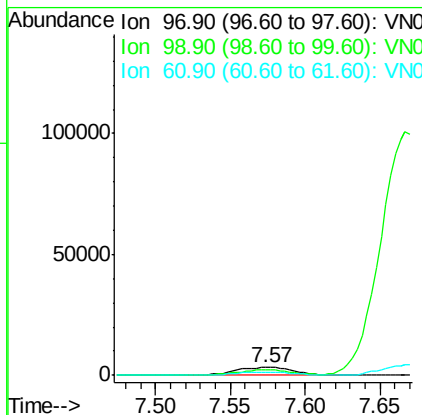
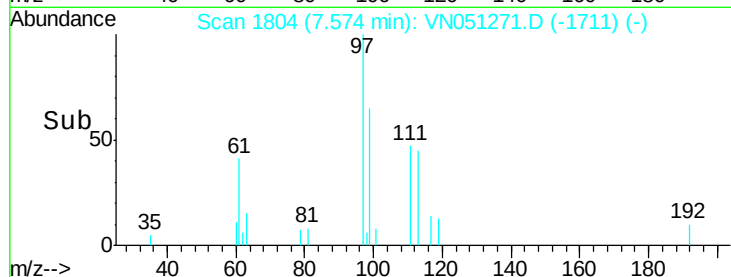
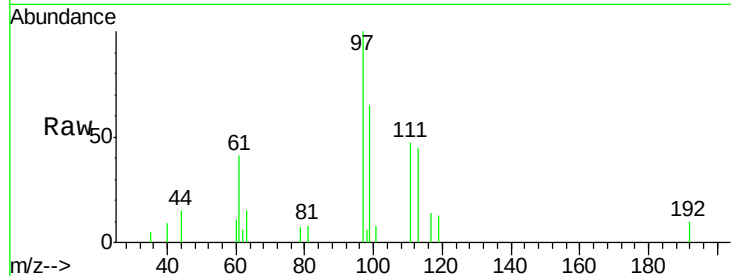
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.6	77.4#	
61	40.7	33.4	50.2	

Manual Integrations
APPROVED

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9/19/2018 4:57:52 PM



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 8.03 min

Lab File: VN051271.D

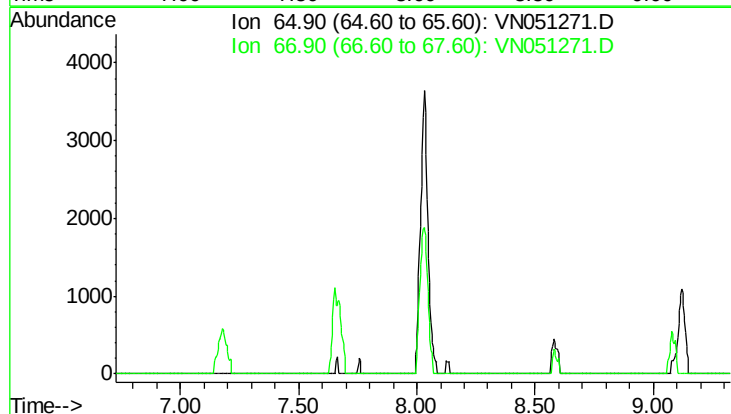
Acq: 17 Sep 2018 13:13

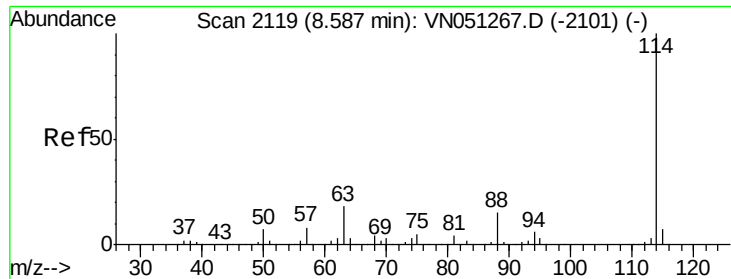
Tgt Ion: 65

Sig Exp Ratio

65 100

67 55.5





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

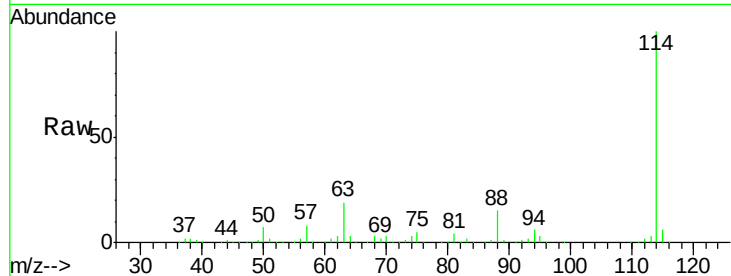
ClientSampleId :

VSTDIC001

Tot Ion:	114	Resp:	751738
Ion Ratio	Lower	Upper	
114	100		
63	18.6	0.0	36.8
88	15.4	0.0	30.8

Manual Integrations
APPROVED

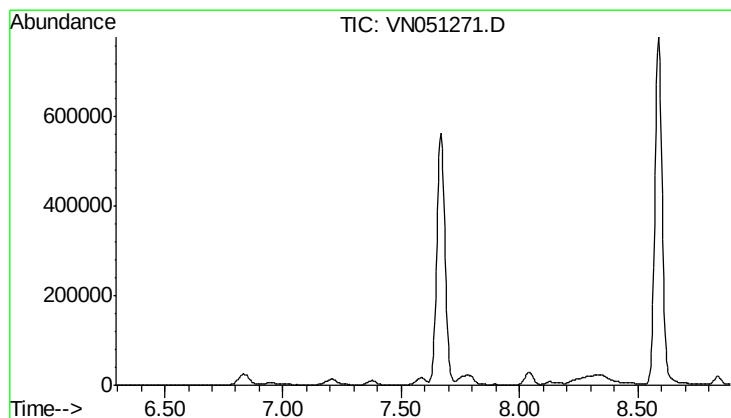
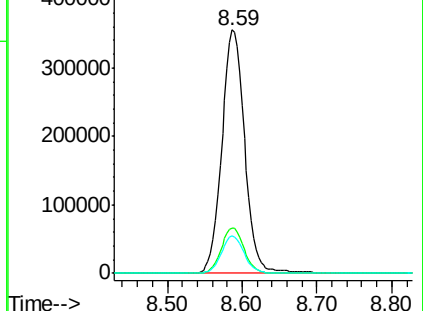
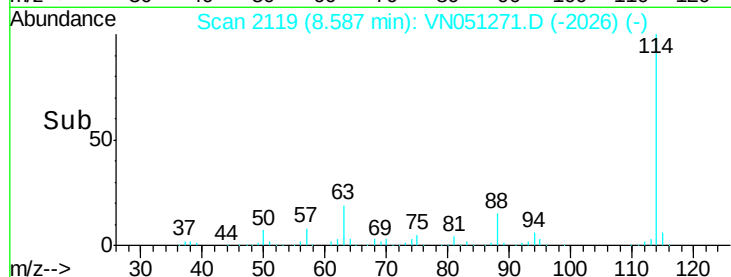
MMDadoda
9/19/2018 4:57:52 PM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN051271.D

Ion 87.90 (87.60 to 88.60): VN051271.D



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 7.59 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

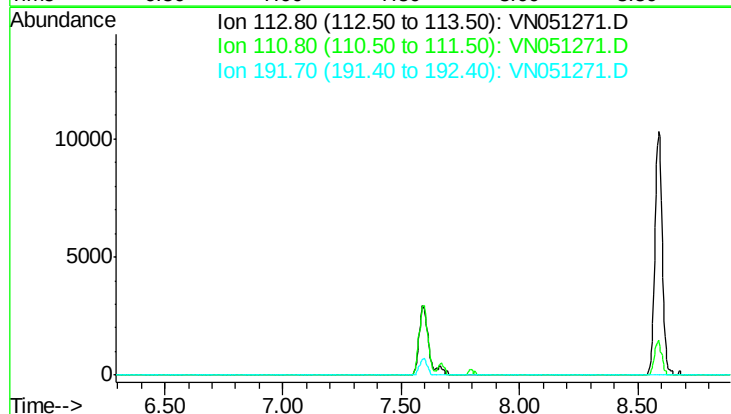
Tgt Ion: 113

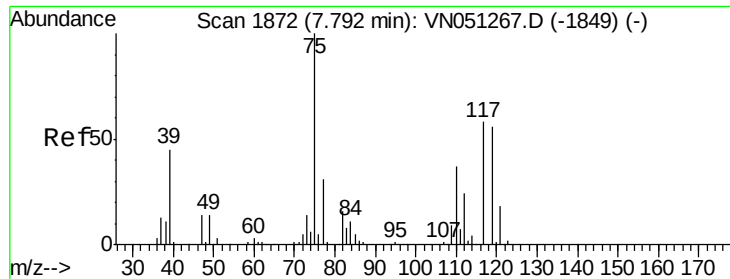
Sig Exp Ratio

113 100

111 102.8

192 23.8





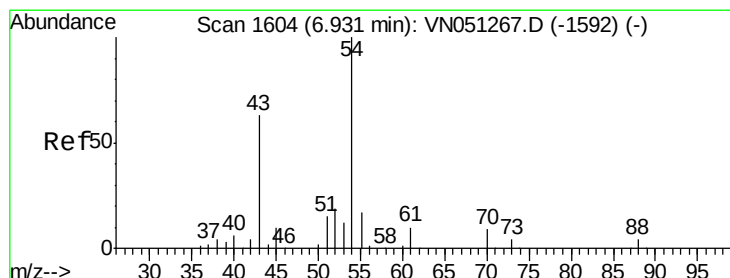
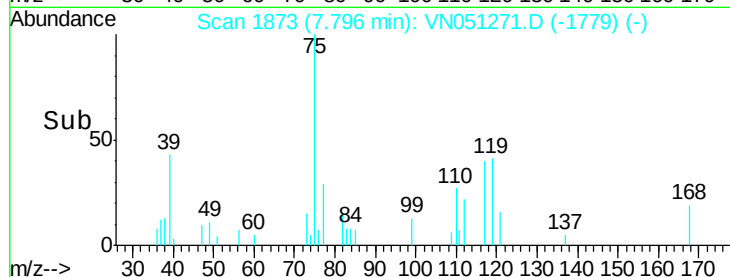
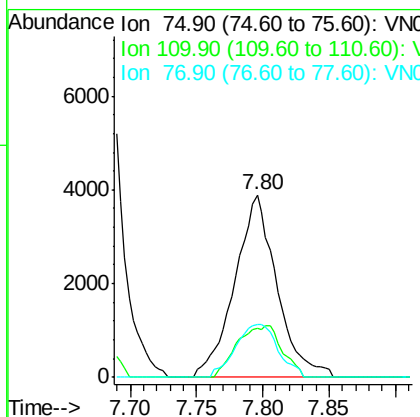
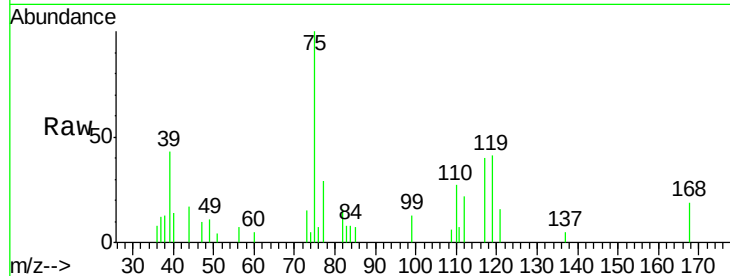
#36
 1,1-Dichloropropene
 Concen: 1.03 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.0	18.6	56.0
77	29.2	24.7	37.1

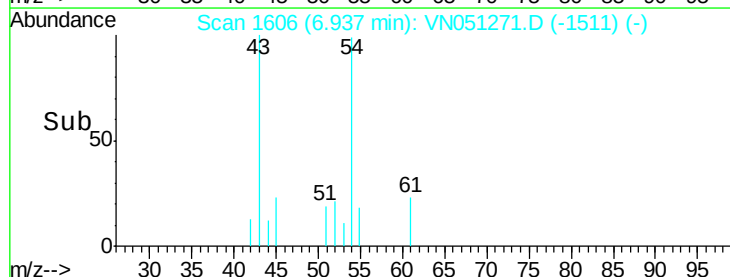
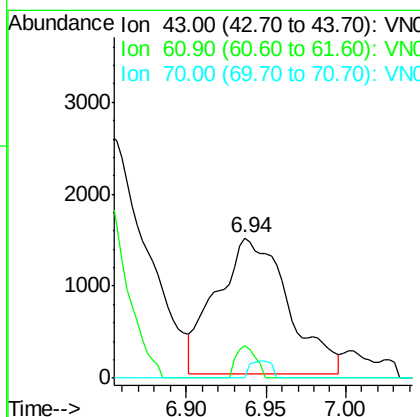
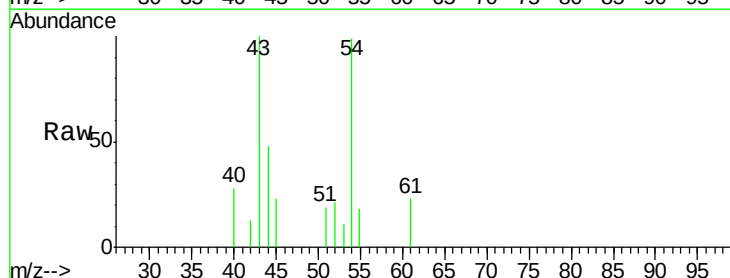
Manual Integrations
 APPROVED

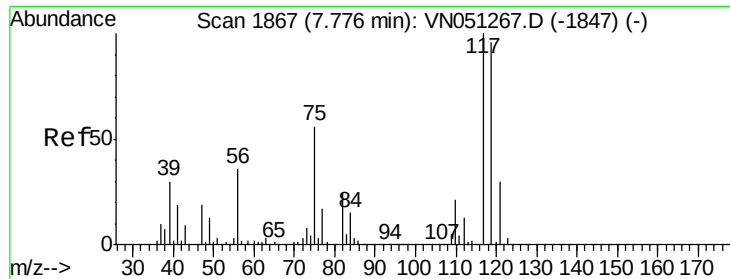
MMDadoda
 9/19/2018 4:57:52 PM



#37
 Ethyl Acetate
 Concen: 0.96 ug/l m
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.01 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	6.7	12.3	18.5#
70	3.7	9.4	14.0#





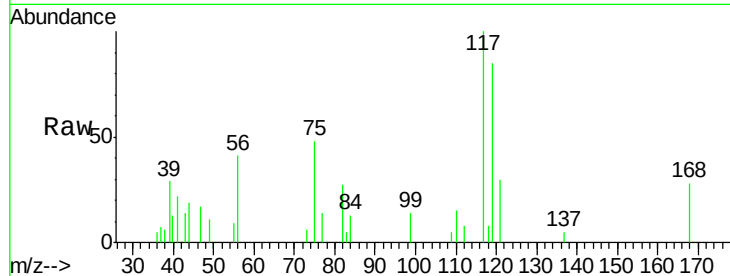
#38
Carbon Tetrachloride
Concen: 1.08 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

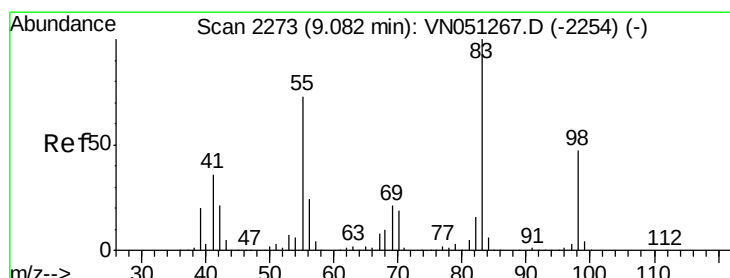
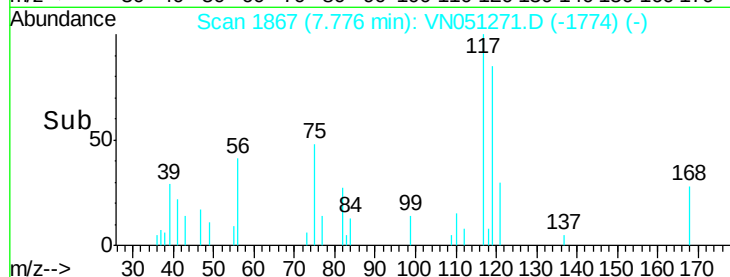
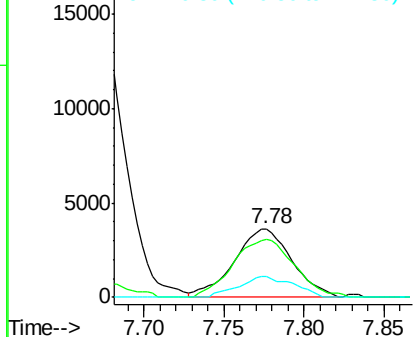
Tot Ion	Ratio	Lower	Upper
117	100		
119	85.2	76.8	115.2
121	29.5	24.2	36.2

Manual Integrations
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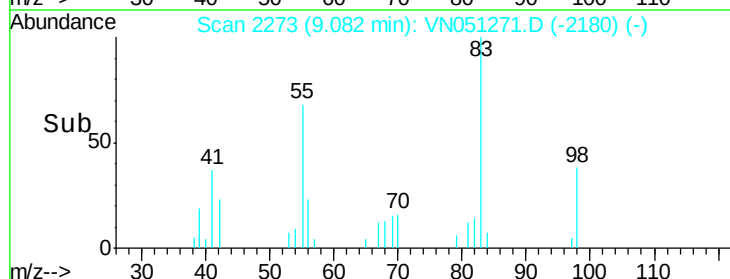
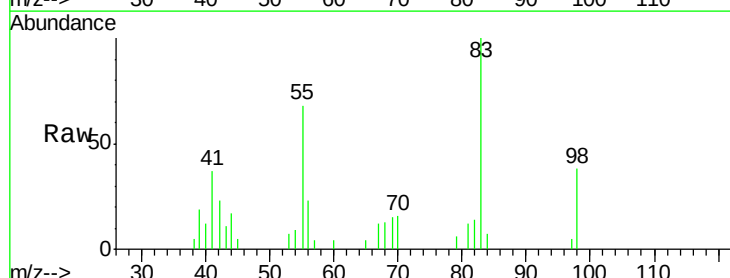
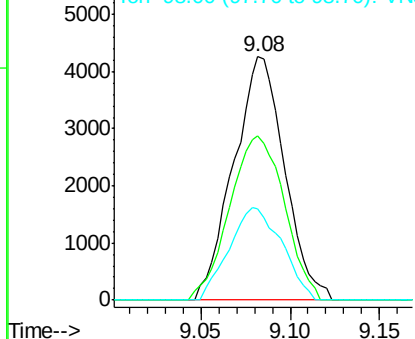
Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

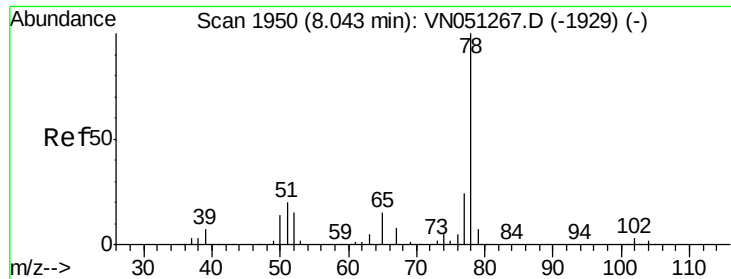


#39
Methylcyclohexane
Concen: 0.93 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.7	58.7	88.1
98	37.6	37.3	55.9

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





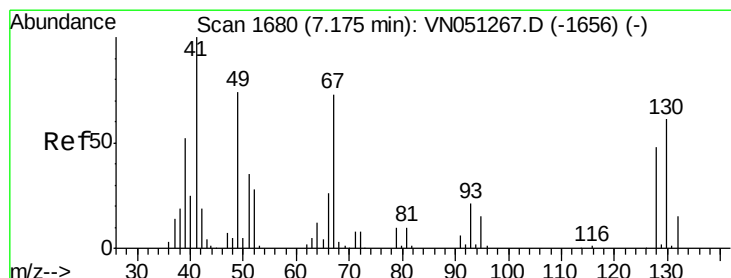
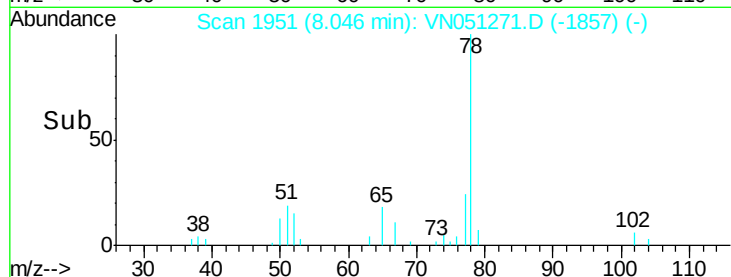
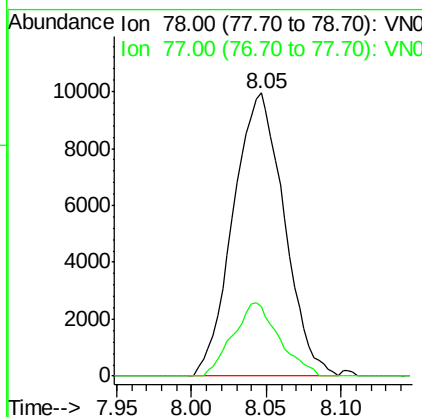
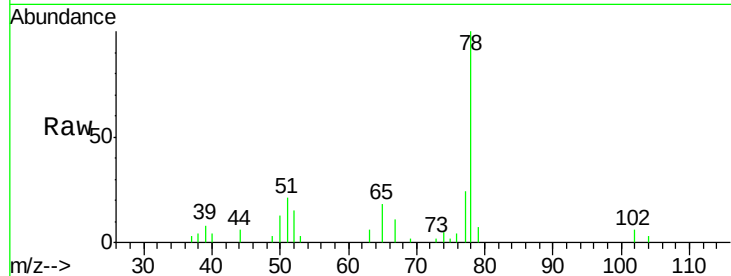
#40
Benzene
Concen: 0.94 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 23601
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4

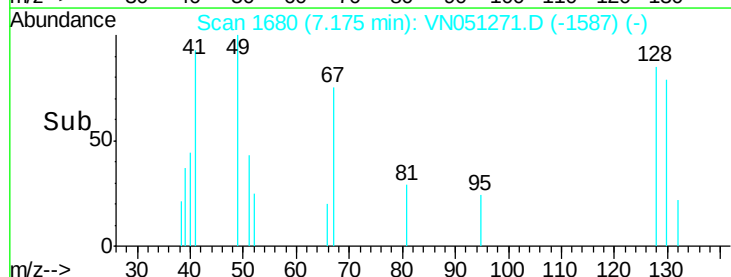
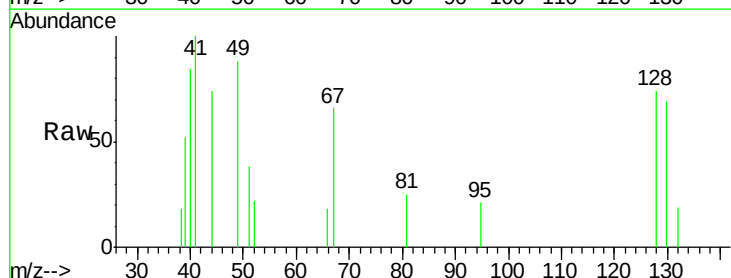
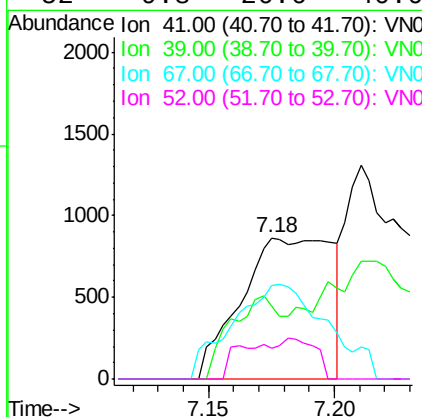
Manual Integrations
APPROVED

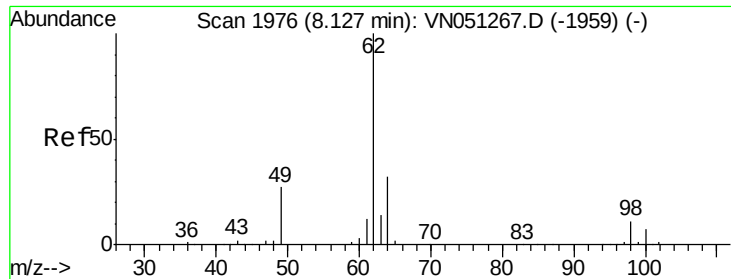
MMDadoda
9/19/2018 4:57:52 PM



#41
Methacrylonitrile
Concen: 0.87 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion: 41 Resp: 2155
Ion Ratio Lower Upper
41 100
39 30.6 47.8 71.6#
67 69.9 69.8 104.6
52 9.8 26.6 40.0#





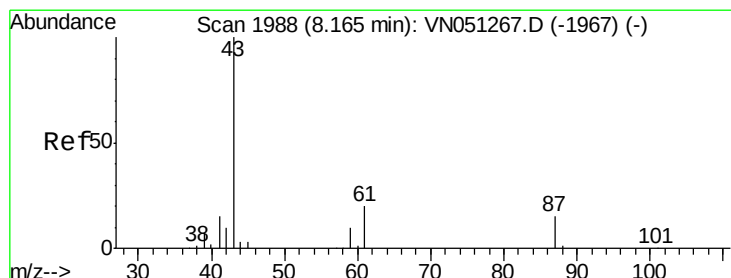
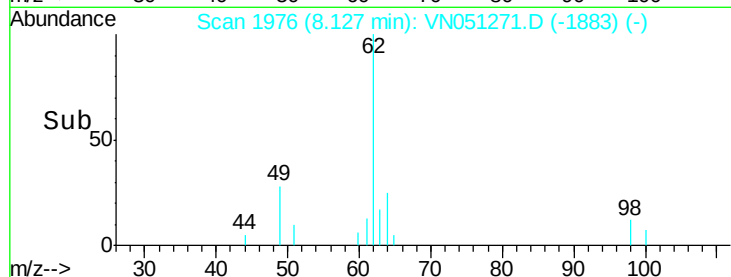
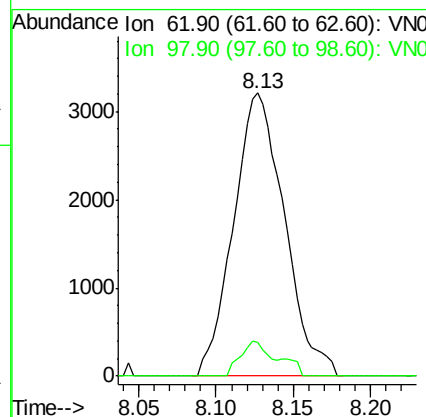
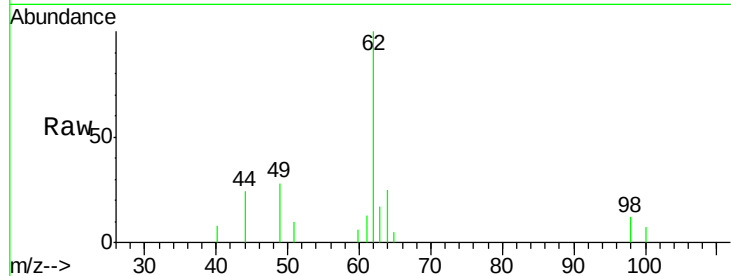
#42
 1,2-Dichloroethane
 Concen: 1.01 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	21.0

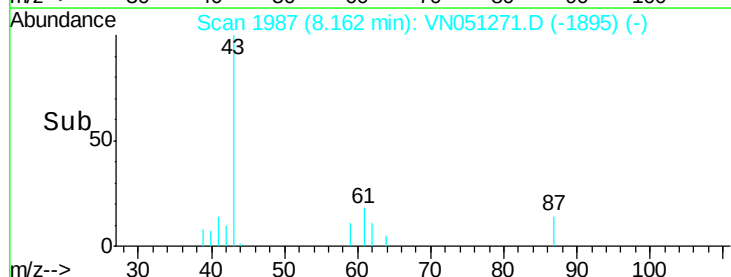
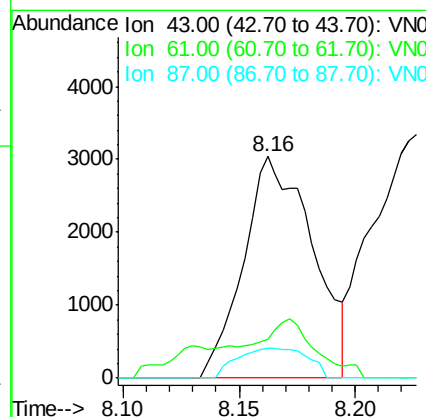
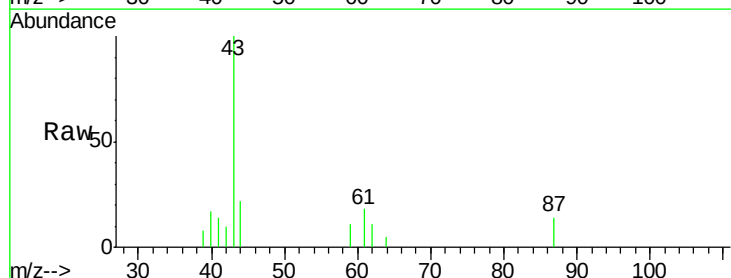
Manual Integrations
 APPROVED

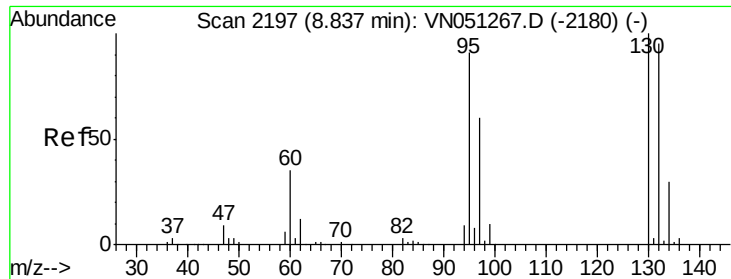
MMDadoda
 9/19/2018 4:57:52 PM



#43
 Isopropyl Acetate
 Concen: 0.76 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	17.4	26.2
87	13.7	12.2	18.4





#44

Trichloroethene

Concen: 1.11 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 7597

Ion Ratio Lower Upper

130 100

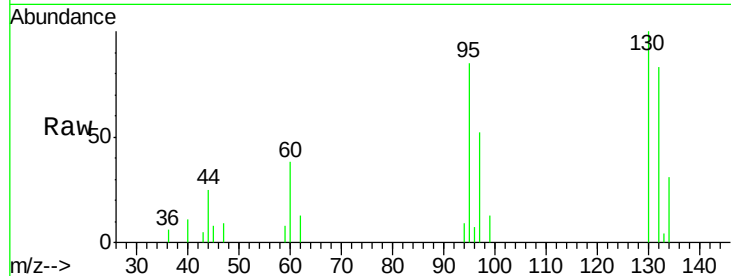
95 84.9 0.0 181.8

Manual Integrations

APPROVED

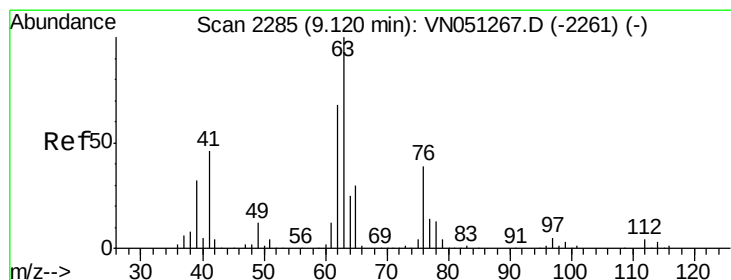
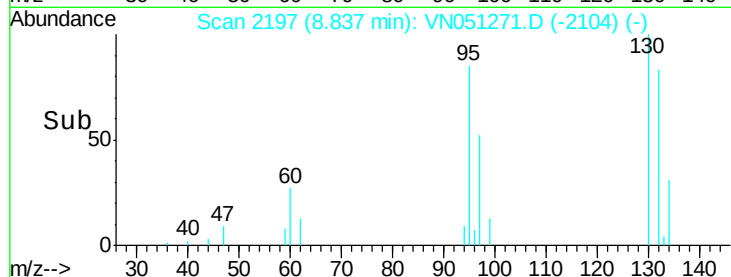
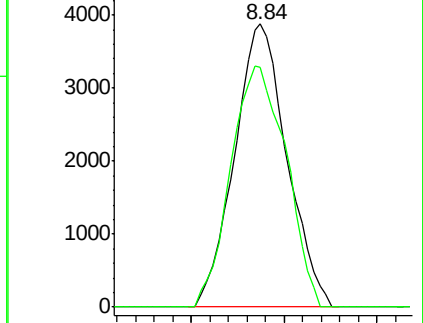
MMDadoda

9/19/2018 4:57:52 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.87 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051271.D

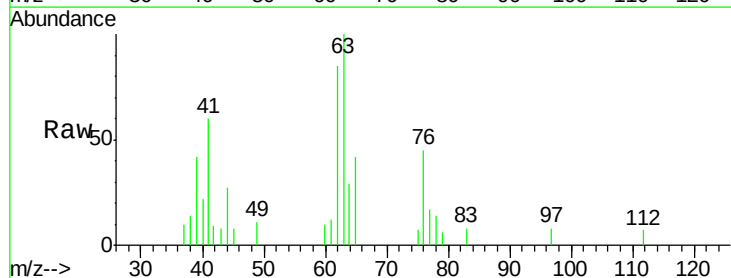
Acq: 17 Sep 2018 13:13

Tgt Ion: 63 Resp: 5601

Ion Ratio Lower Upper

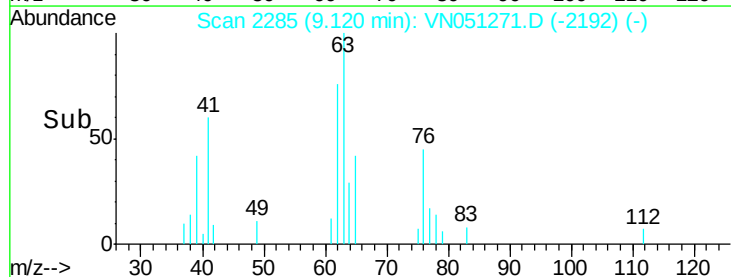
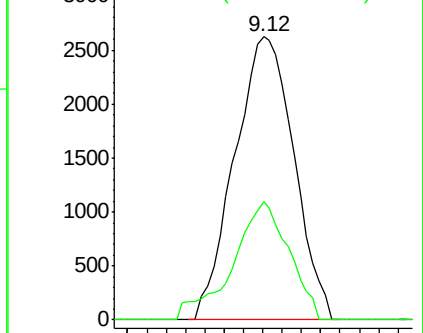
63 100

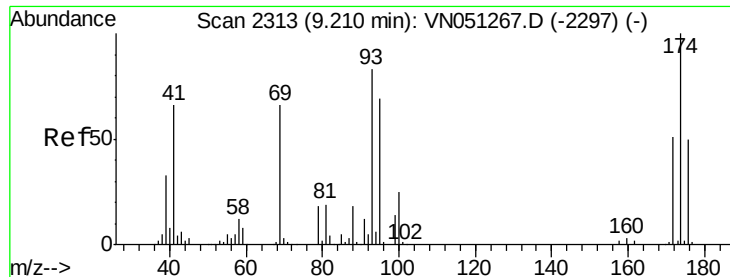
65 41.6 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





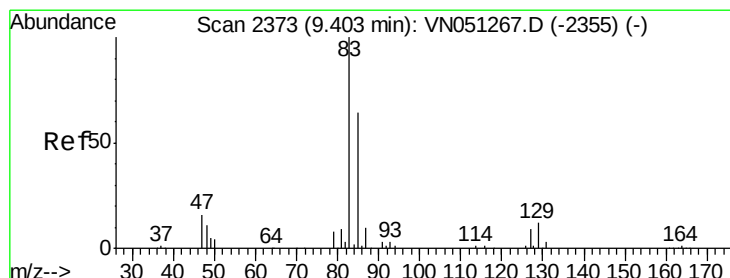
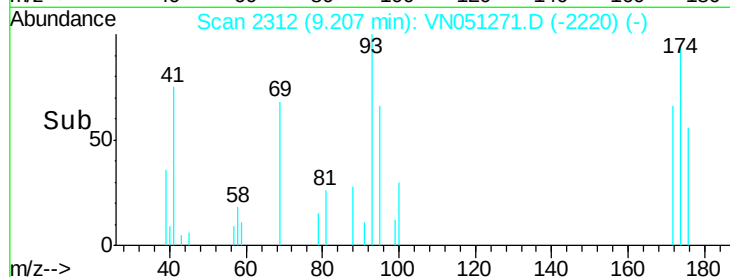
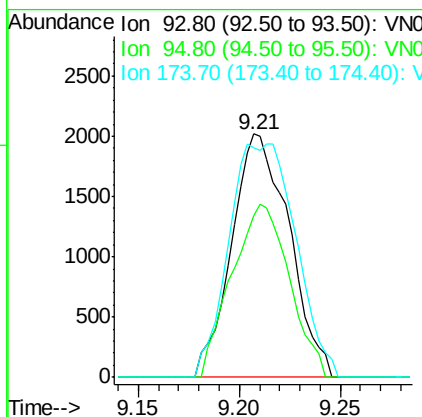
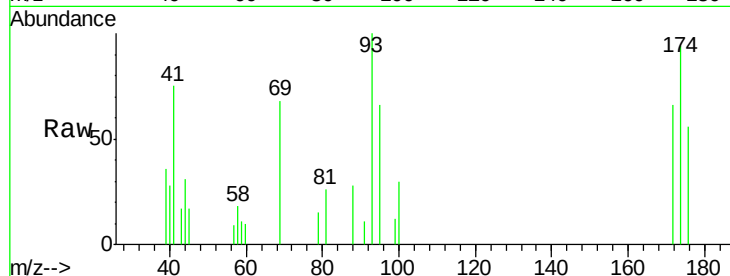
#46
Dibromomethane
Concen: 1.02 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	71.0	66.6	100.0
174	56.3	95.6	143.4#

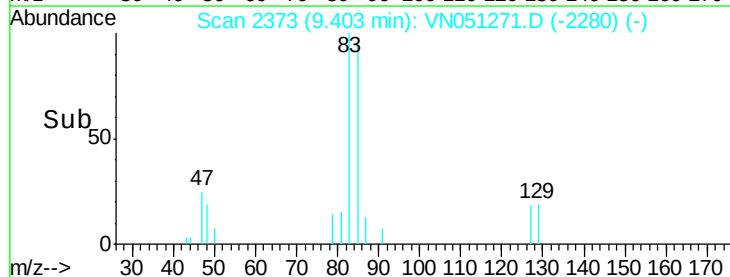
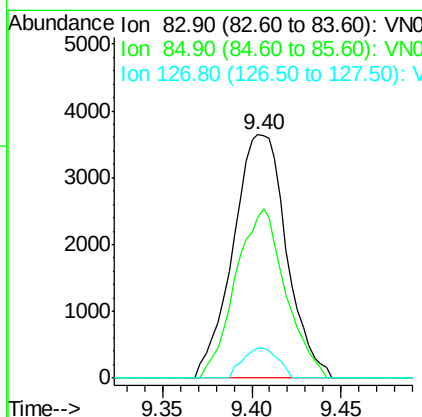
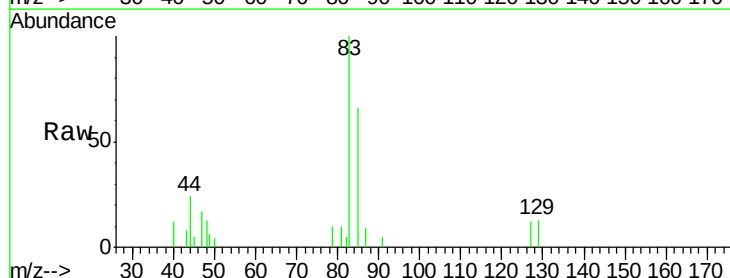
Manual Integrations
APPROVED

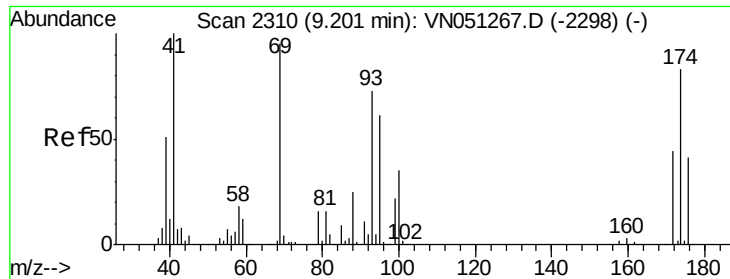
MMDadoda
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#47
Bromodichloromethane
Concen: 0.94 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.4
127	12.2	7.1	10.7#





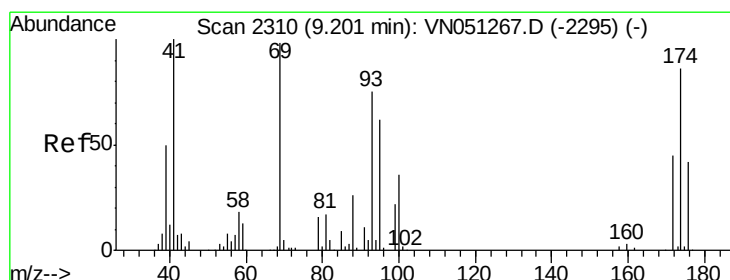
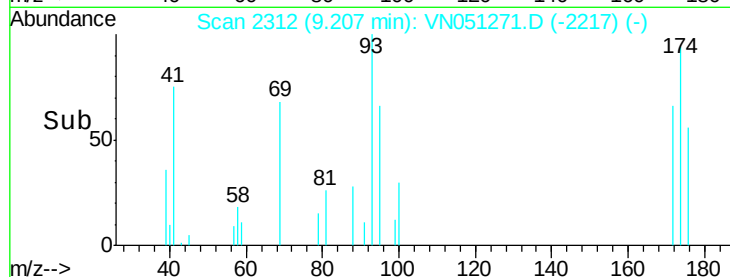
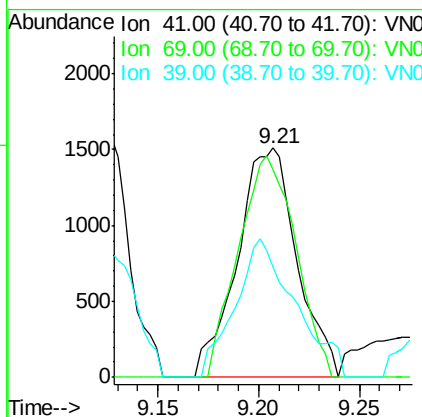
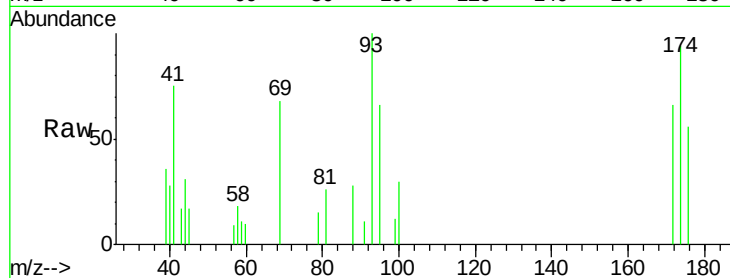
#48
Methvl methacrylate
Concen: 0.77 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	93.2	78.9	118.3
39	60.8	42.2	63.2

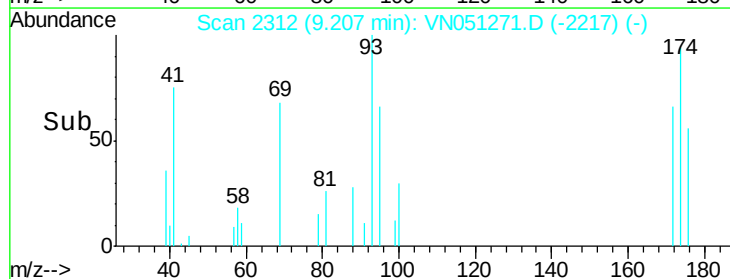
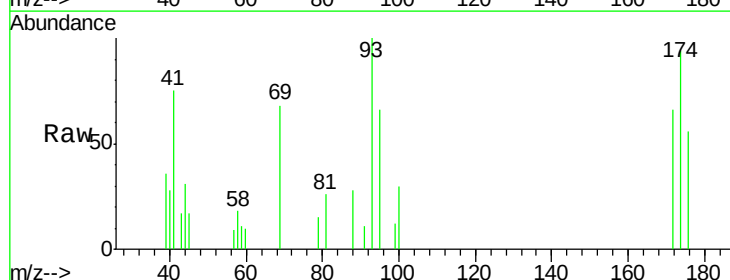
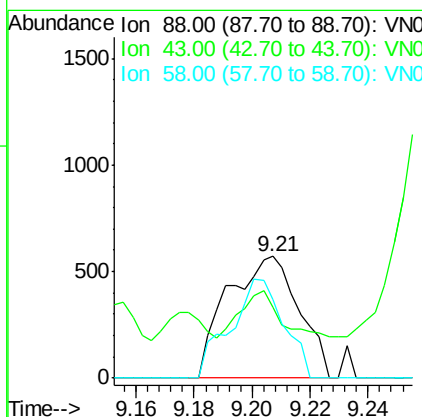
Manual Integrations
APPROVED

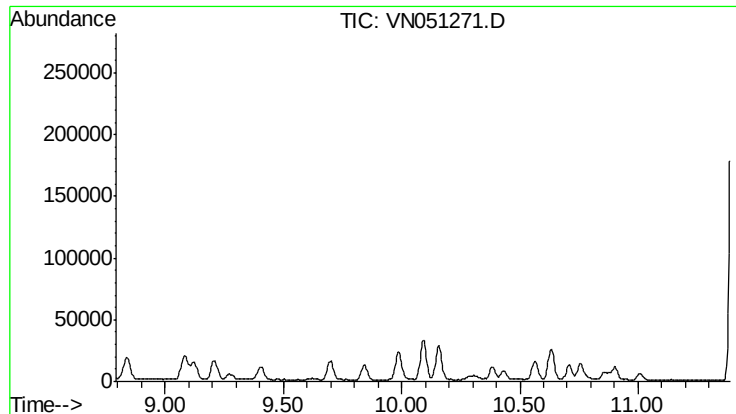
MMDadoda
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#49
1,4-Dioxane
Concen: 15.40 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
88	100		
43	21.4	25.3	37.9#
58	60.9	54.9	82.3





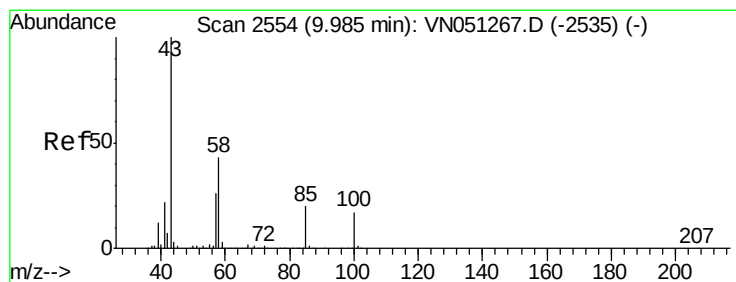
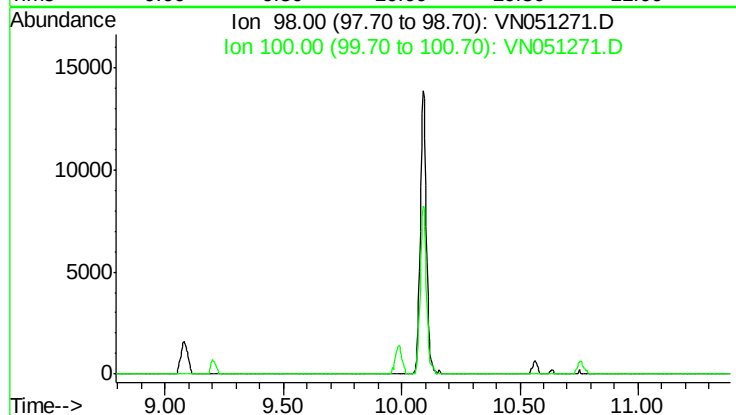
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 10.09 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.5

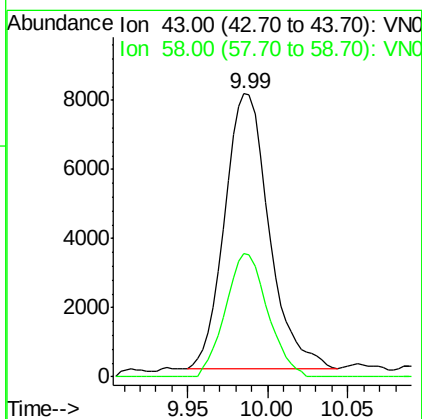
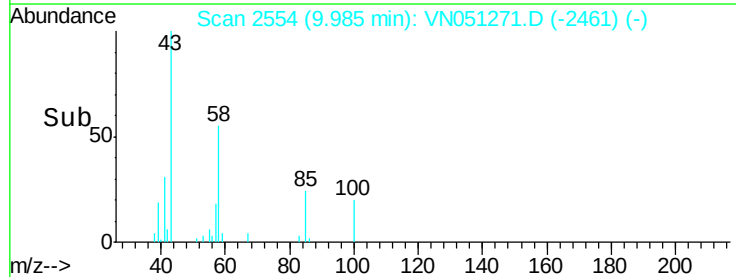
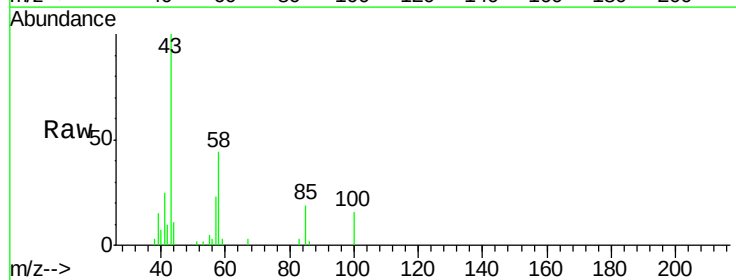
Manual Integrations
APPROVED

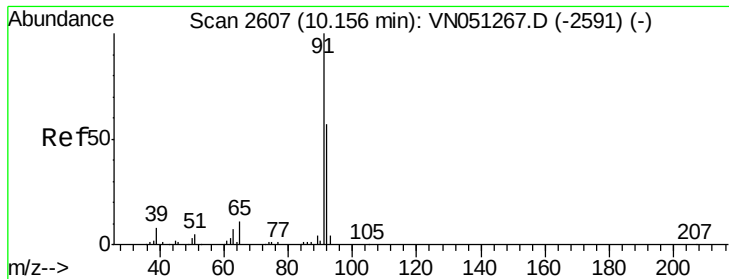
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 3.29 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion: 43 Resp: 15124
Ion Ratio Lower Upper
43 100
58 42.5 33.8 50.6





#52

Toluene

Concen: 0.84 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 12764

Ion Ratio Lower Upper

92 100

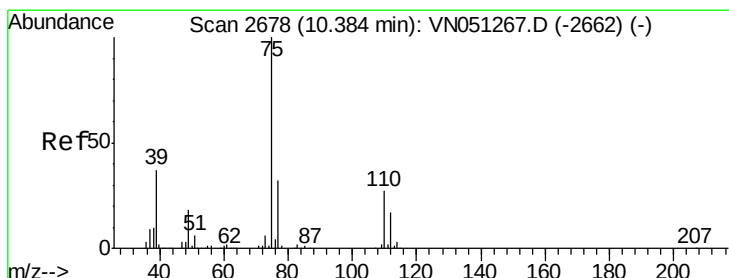
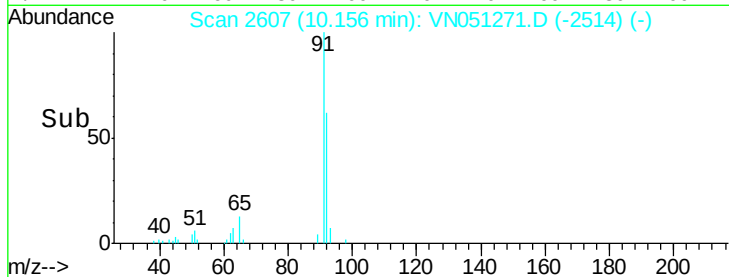
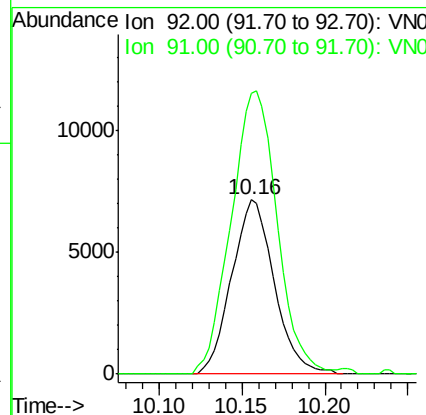
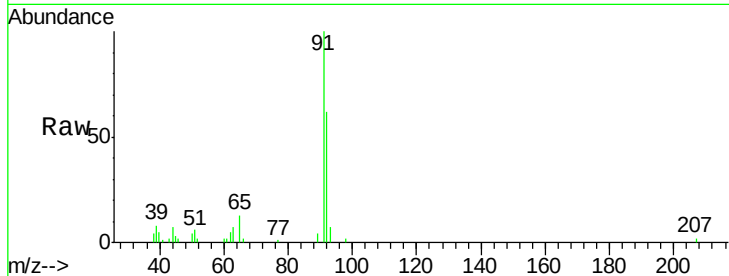
91 175.4 139.2 208.8

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.79 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051271.D

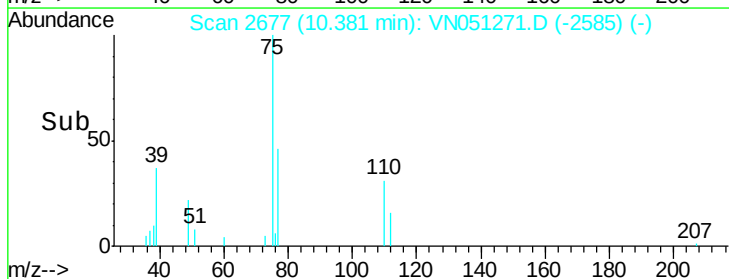
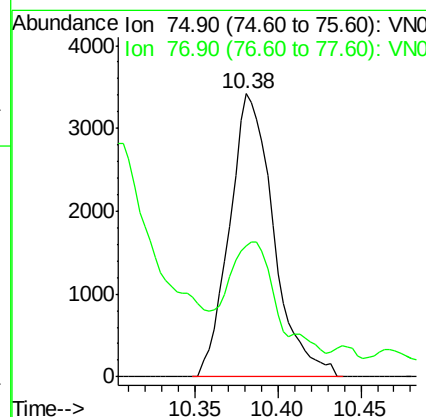
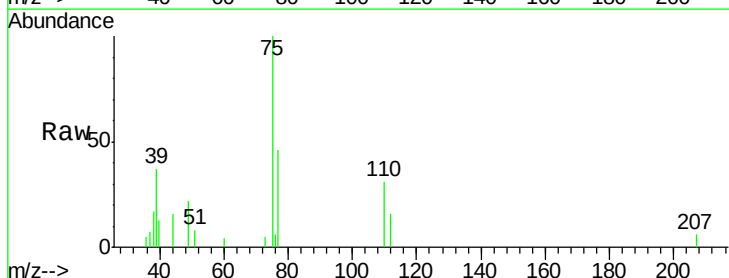
Acq: 17 Sep 2018 13:13

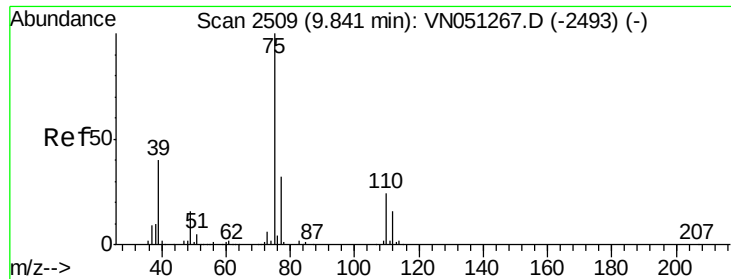
Tgt Ion: 75 Resp: 6323

Ion Ratio Lower Upper

75 100

77 35.3 25.5 38.3





#54

cis-1,3-Dichloropropene

Concen: 0.86 ug/l

RT: 9.84 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

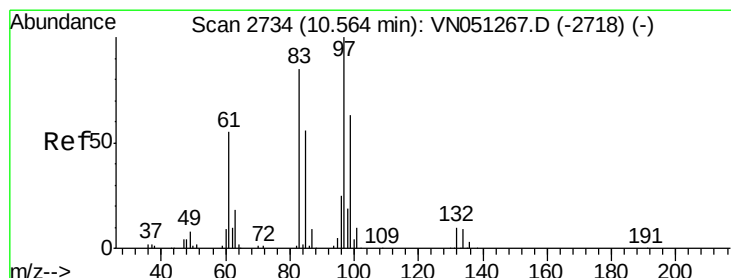
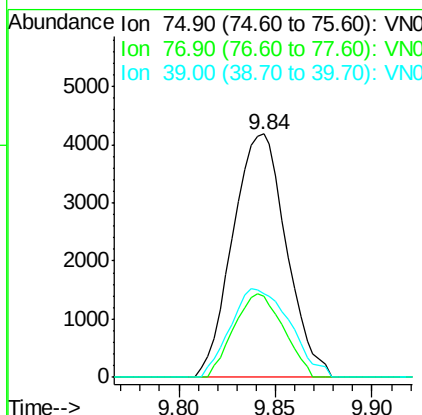
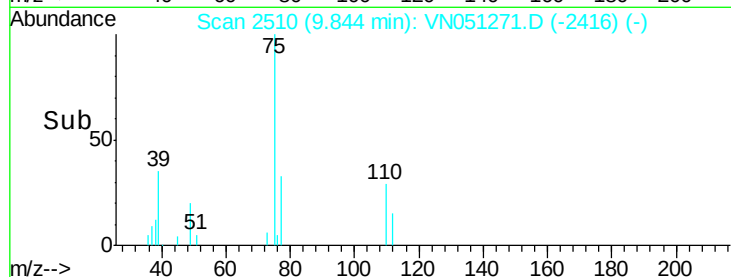
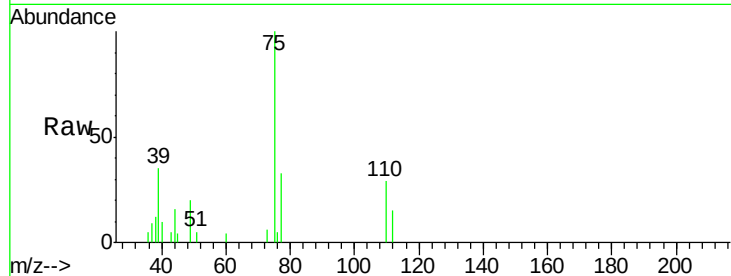
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	8056
Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.8	38.8
39	34.6	31.8	47.8

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.88 ug/l

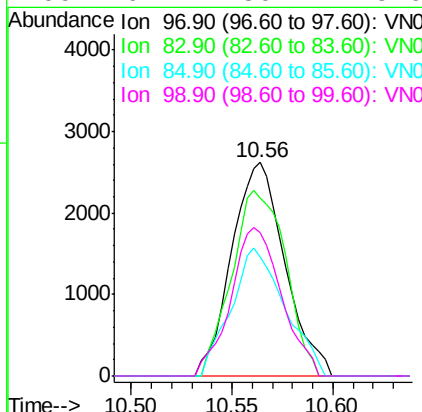
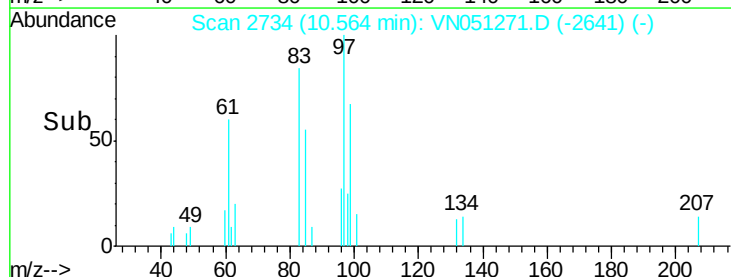
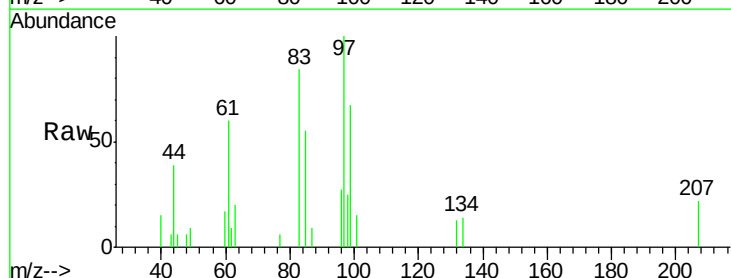
RT: 10.56 min Scan# 2734

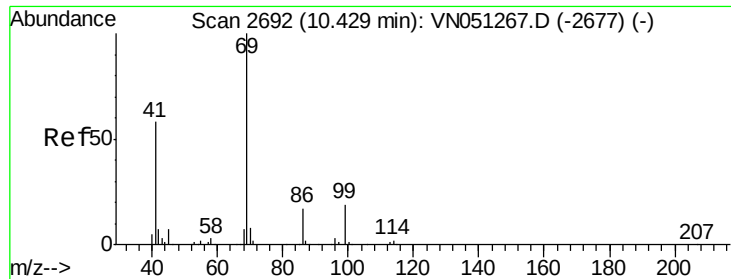
Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Tgt Ion:	97	Resp:	4836
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.7	101.5
85	55.5	44.5	66.7
99	67.1	50.4	75.6





#56

Ethyl methacrylate

Concen: 0.59 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

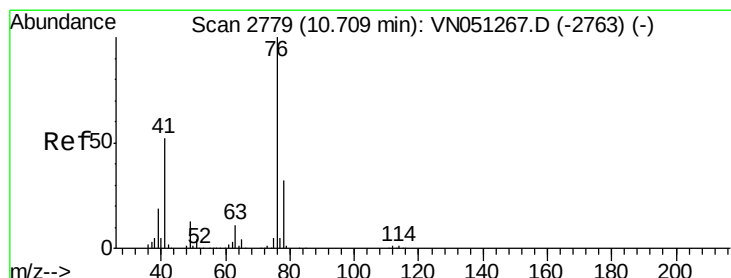
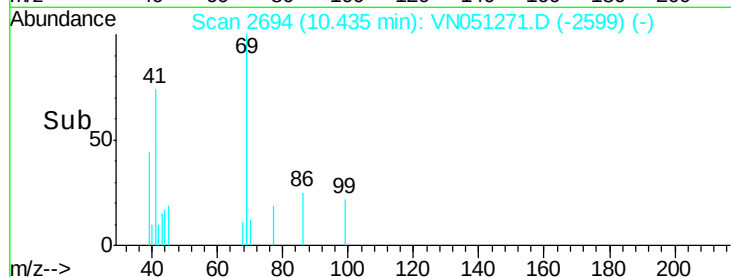
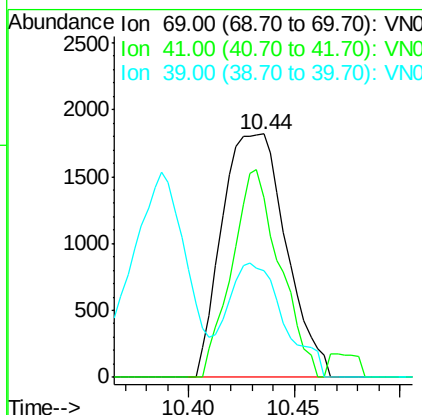
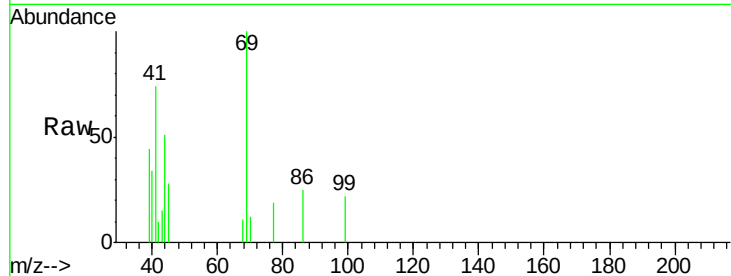
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	3837
Ion	Ratio	Lower	Upper
69	100		
41	63.6	47.4	71.0
39	41.5	23.7	35.5#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.84 ug/l

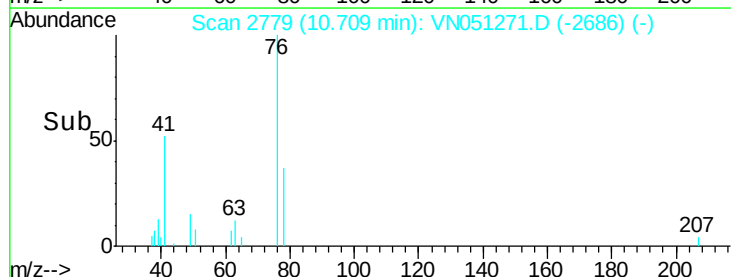
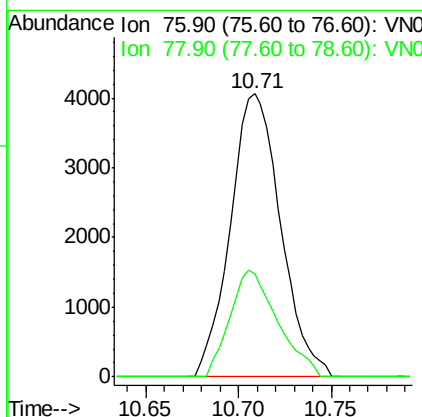
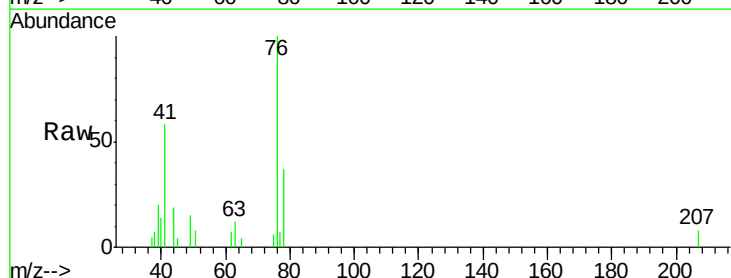
RT: 10.71 min Scan# 2779

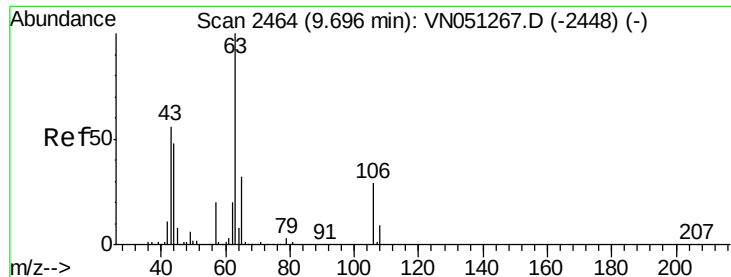
Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Tgt Ion:	76	Resp:	7643
Ion	Ratio	Lower	Upper
76	100		
78	35.5	25.8	38.6





#58

2-Chloroethyl Vinyl ether

Concen: 2.83 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 7677

Ion Ratio Lower Upper

63 100

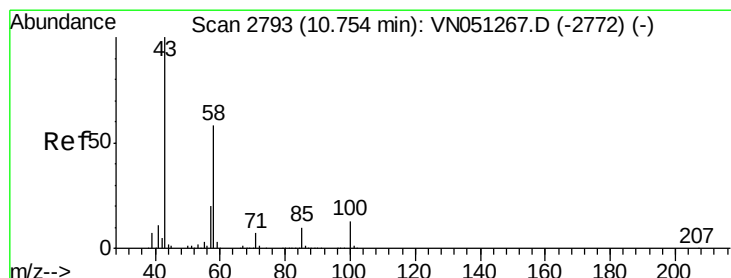
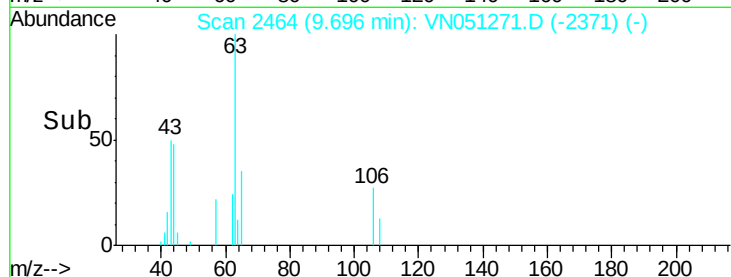
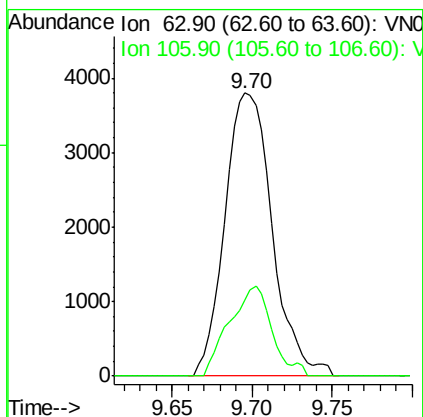
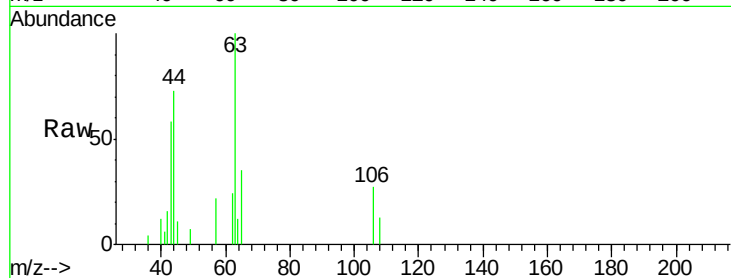
106 28.6 23.4 35.2

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#59

2-Hexanone

Concen: 3.42 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN051271.D

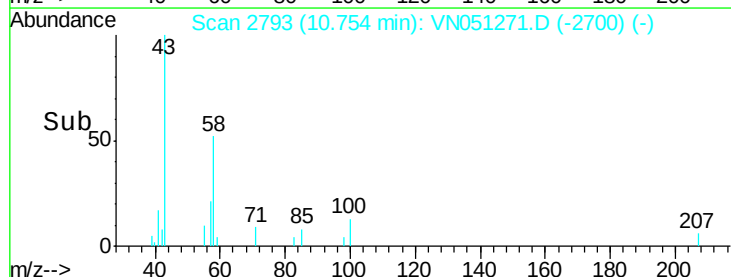
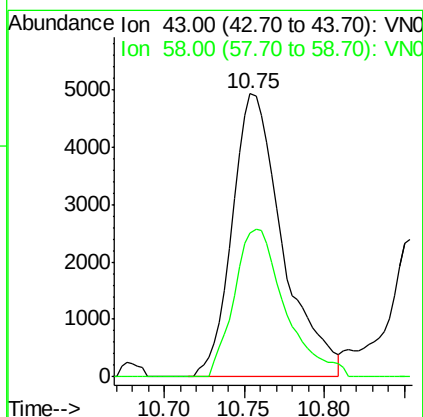
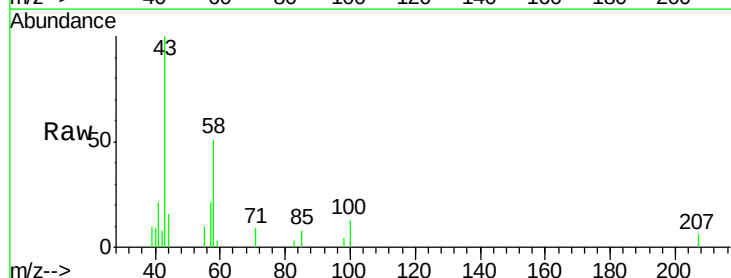
Acq: 17 Sep 2018 13:13

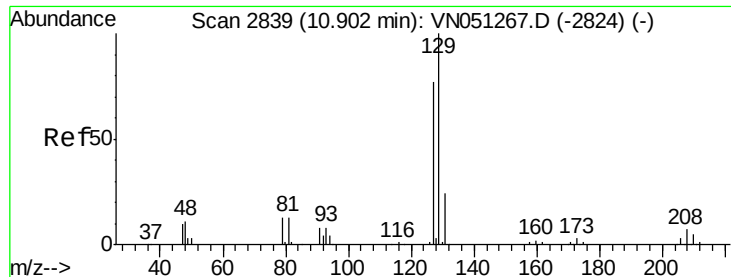
Tgt Ion: 43 Resp: 10632

Ion Ratio Lower Upper

43 100

58 52.5 28.9 86.8





#60

Dibromochloromethane

Concen: 0.87 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 5442

Ion Ratio Lower Upper

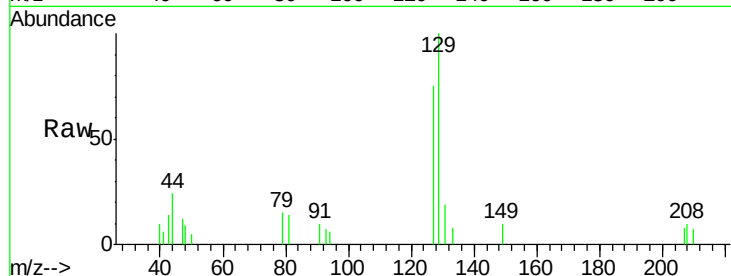
129 100

127 84.4 38.3 114.9

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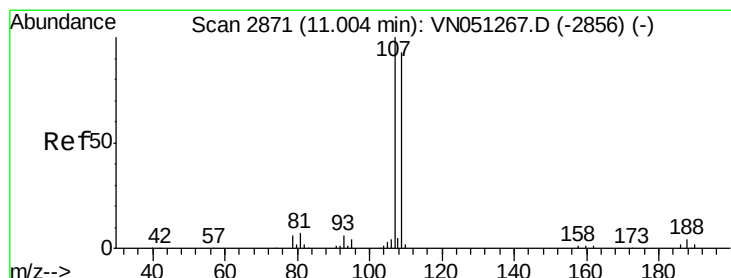
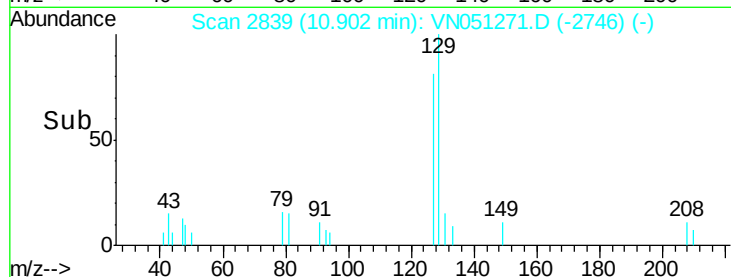
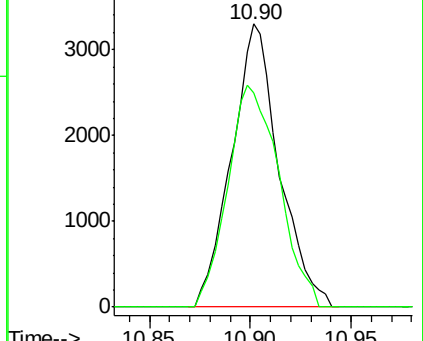
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.75 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051271.D

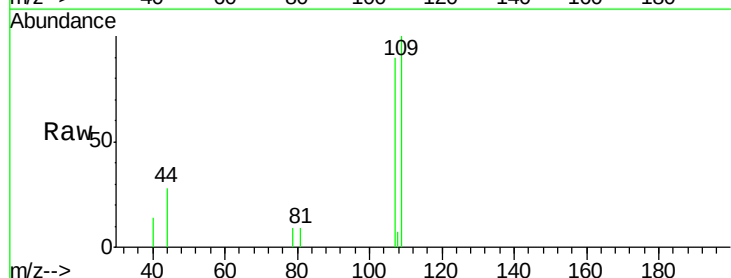
Acq: 17 Sep 2018 13:13

Tgt Ion:107 Resp: 4054

Ion Ratio Lower Upper

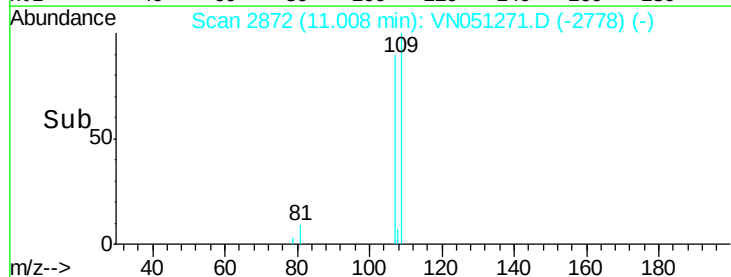
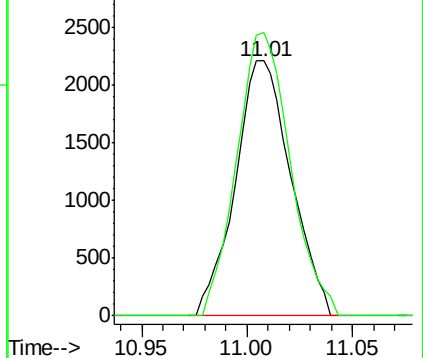
107 100

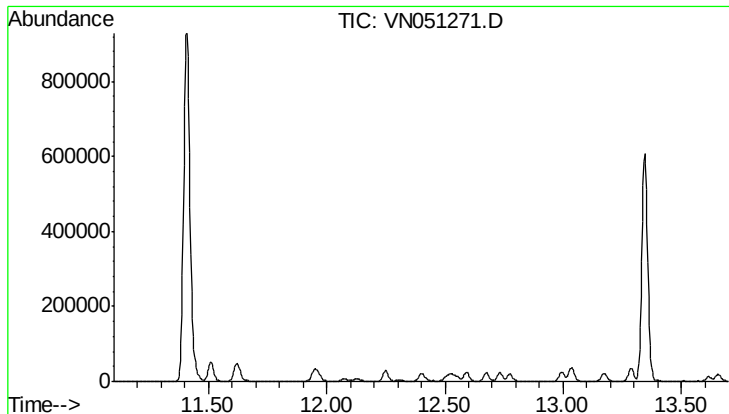
109 107.0 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 12.40 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Tot Ion: 95

Sig Exp Ratio

95 100

174 94.8

176 91.3

Instrument :

MSVOA_N

ClientSampleId :

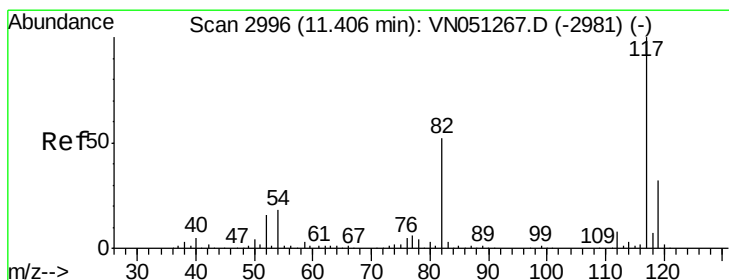
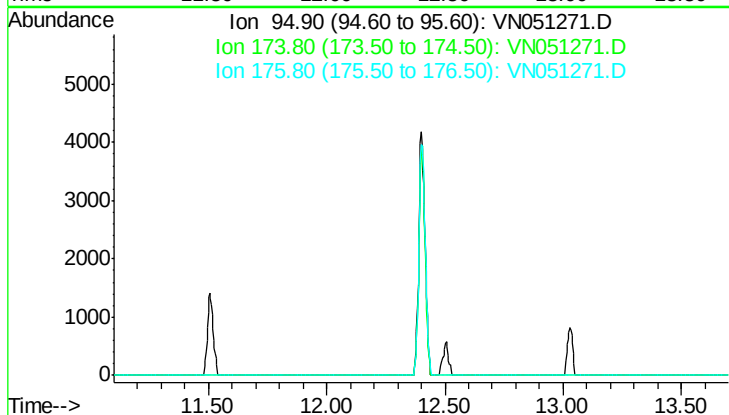
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

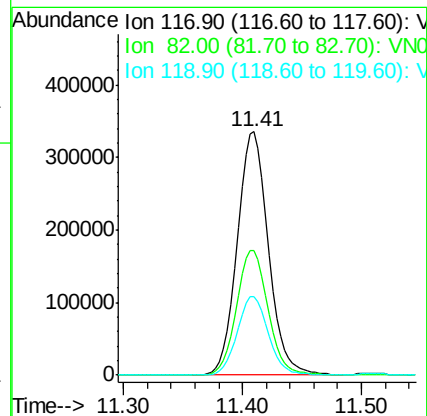
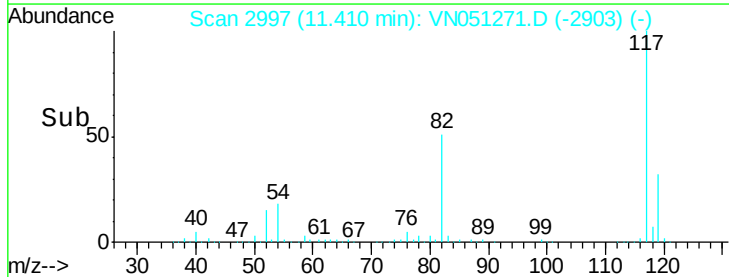
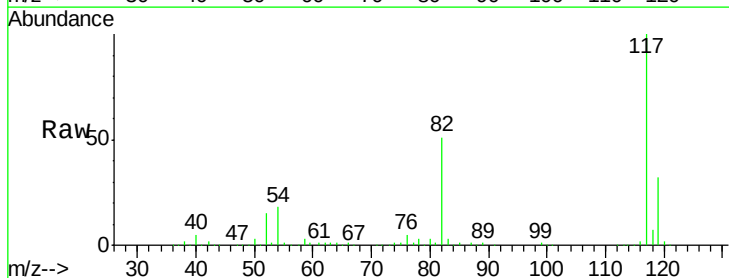
Tgt Ion: 117 Resp: 608665

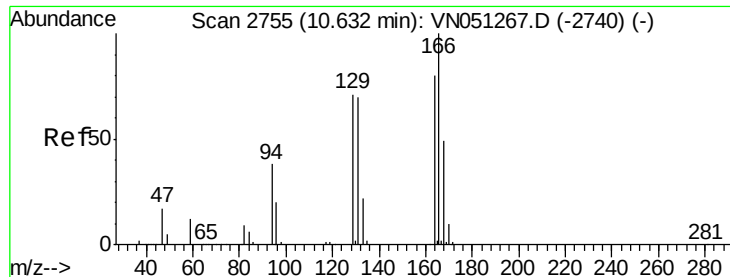
Ion Ratio Lower Upper

117 100

82 51.0 41.8 62.8

119 32.4 25.6 38.4





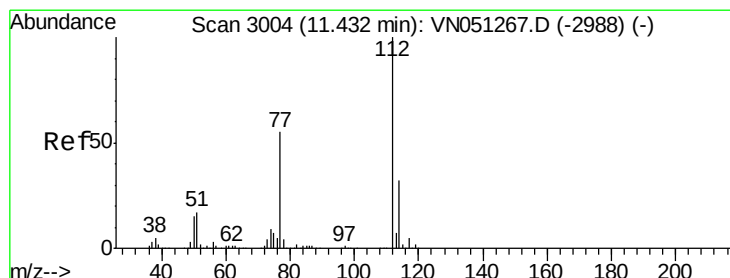
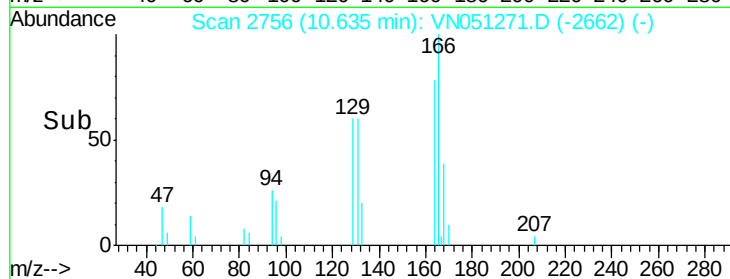
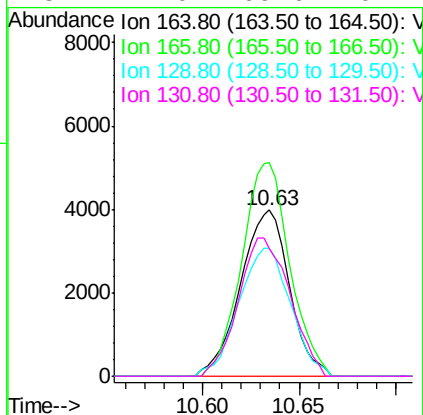
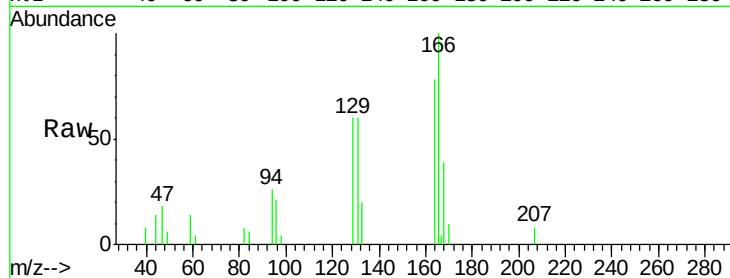
#64
Tetrachloroethene
Concen: 1.24 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.0	150.0
129	77.4	70.8	106.2
131	77.0	69.6	104.4

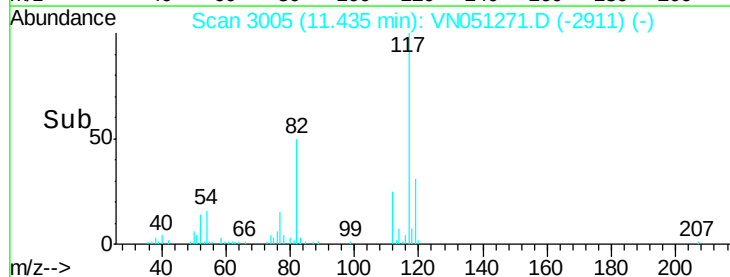
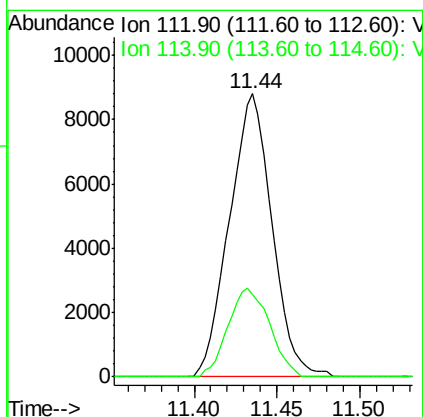
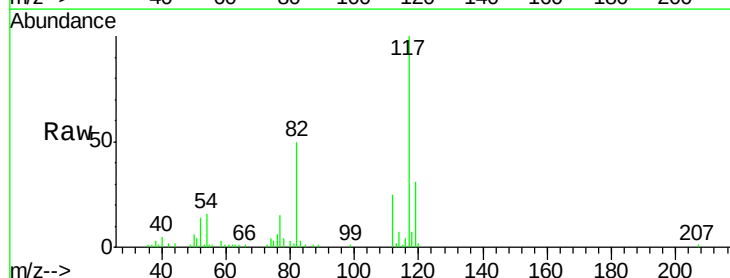
Manual Integrations
APPROVED

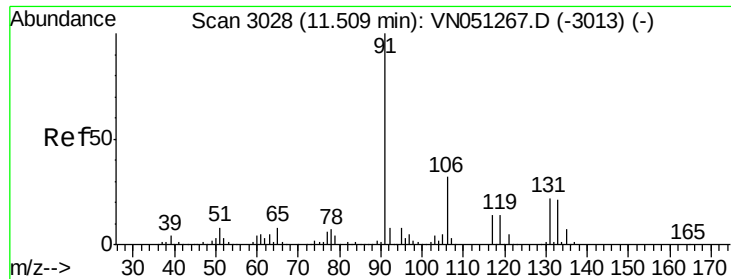
MMDadoda
9/19/2018 4:57:52 PM



#65
Chlorobenzene
Concen: 1.02 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.3	25.9	38.9





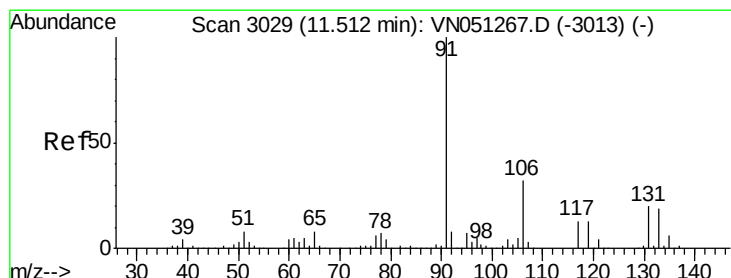
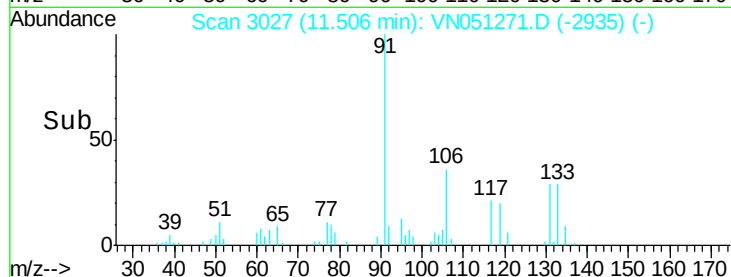
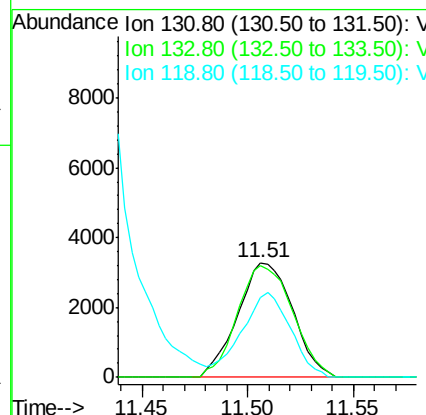
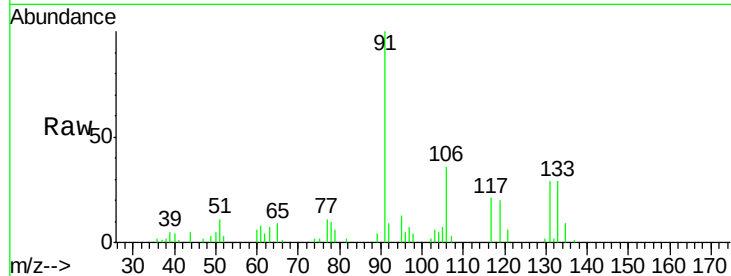
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.06 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.3	47.9	143.7
119	0.0	32.6	98.0#

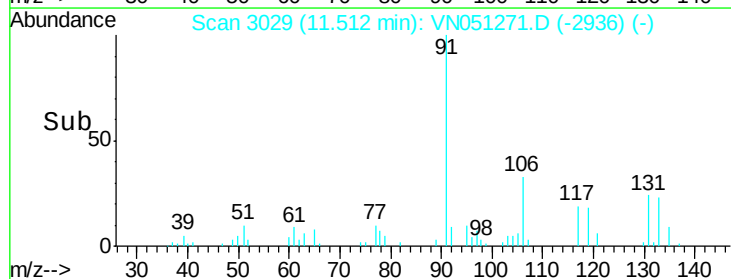
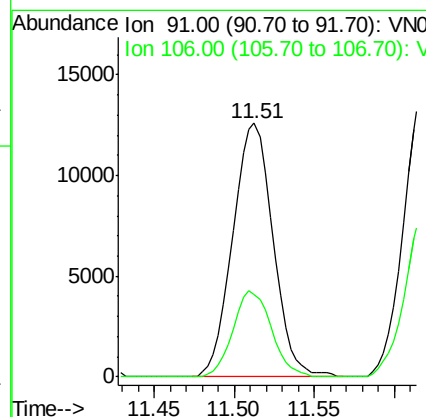
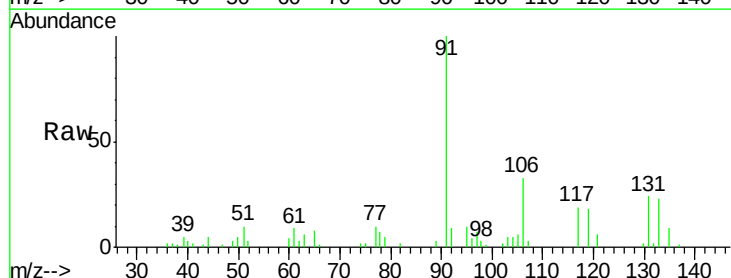
Manual Integrations
 APPROVED

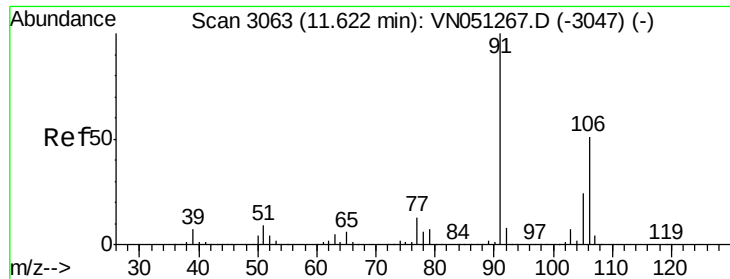
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 9/19/2018 4:57:52 PM



#67
 Ethyl Benzene
 Concen: 0.86 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.7	38.5





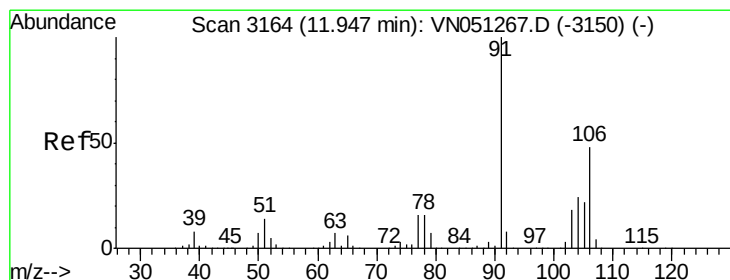
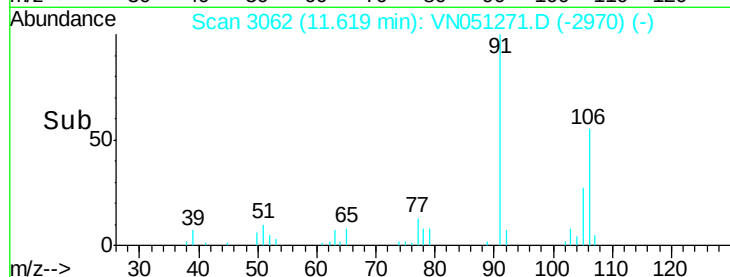
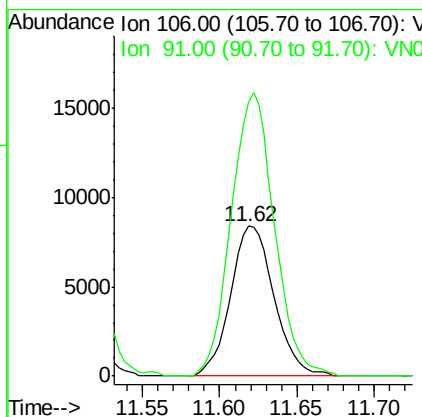
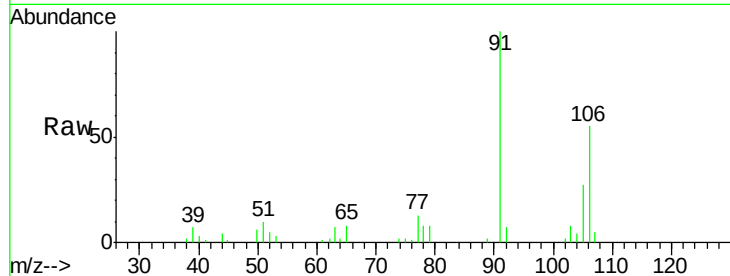
#68
m/p-Xylenes
Concen: 1.70 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 16389
Ion Ratio Lower Upper
106 100
91 188.1 158.6 238.0

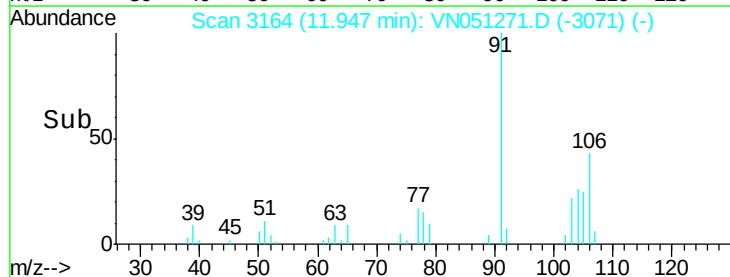
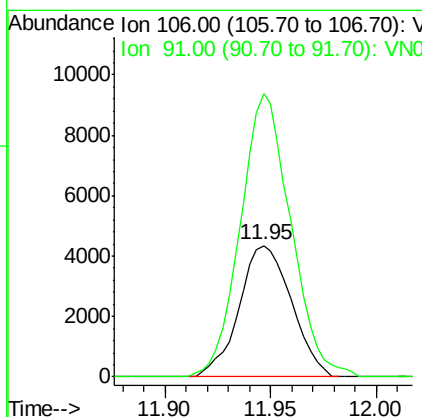
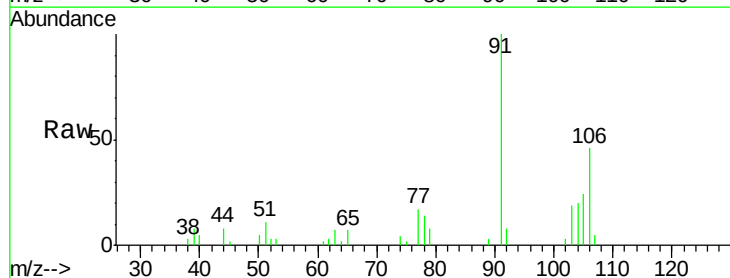
Manual Integrations
APPROVED

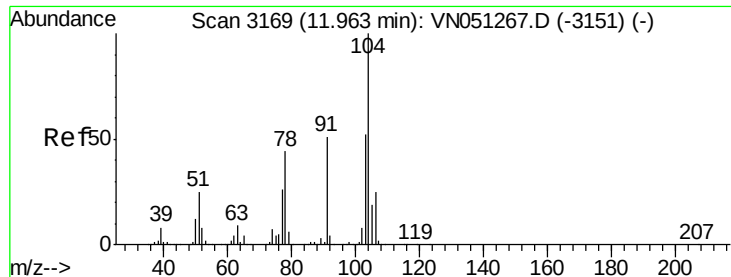
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#69
o-Xylene
Concen: 0.80 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion:106 Resp: 7497
Ion Ratio Lower Upper
106 100
91 207.7 104.1 312.3





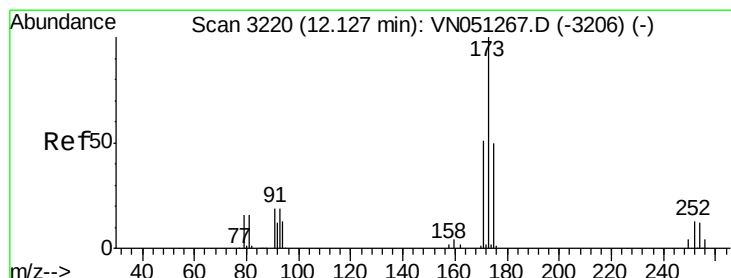
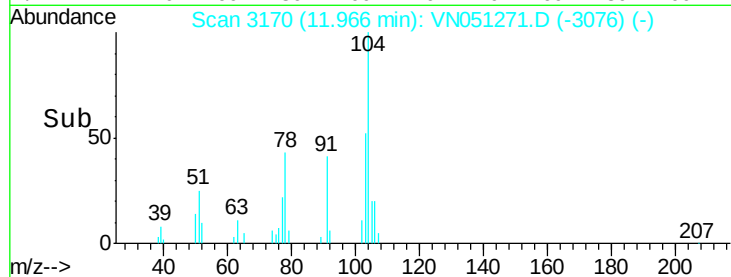
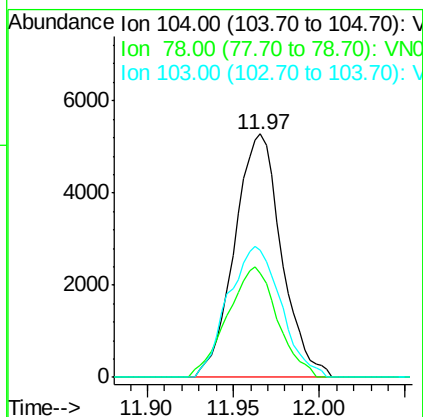
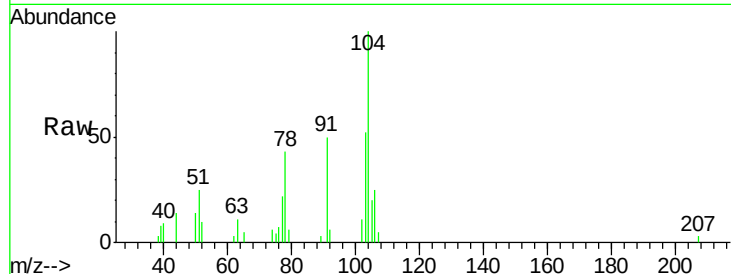
#70
Stvrene
Concen: 0.69 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.1	57.1
103	60.6	44.8	67.2

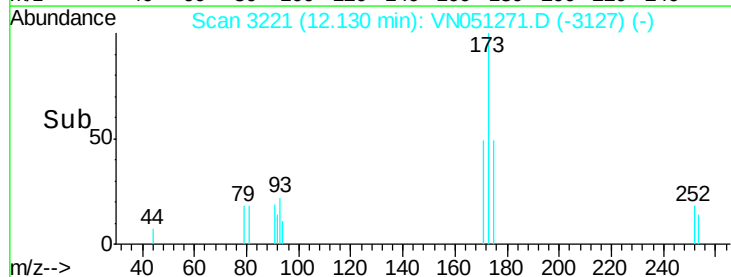
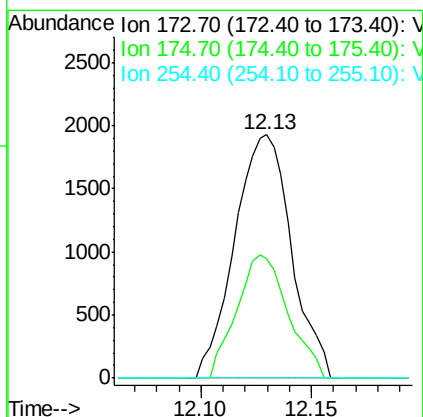
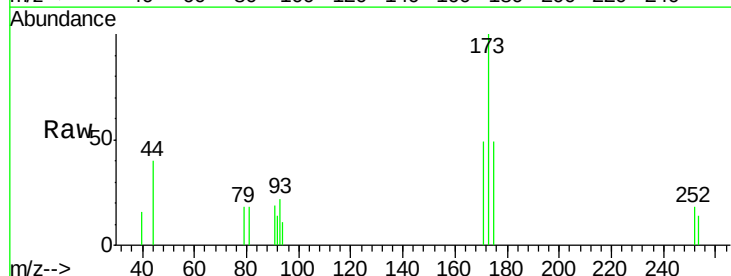
Manual Integrations
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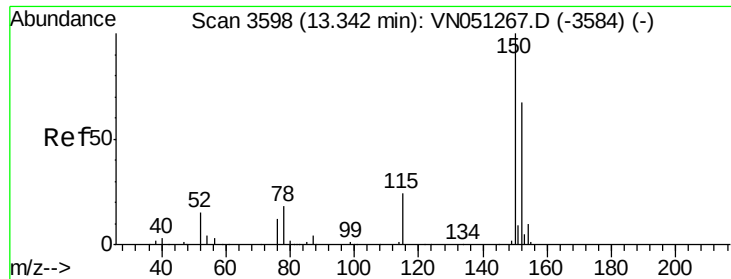
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#71
Bromoform
Concen: 0.88 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.4	73.2
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 181189

Ion Ratio Lower Upper

152 100

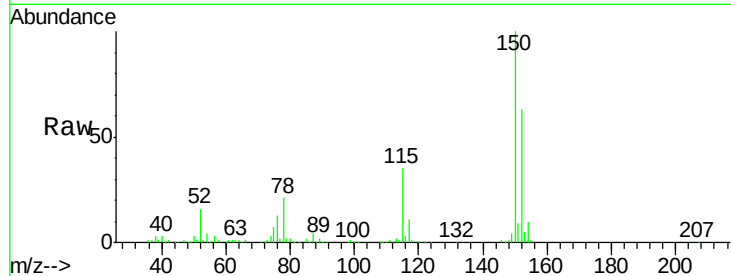
115 55.1 27.1 81.2

150 158.8 0.0 349.0

Manual Integrations
APPROVED

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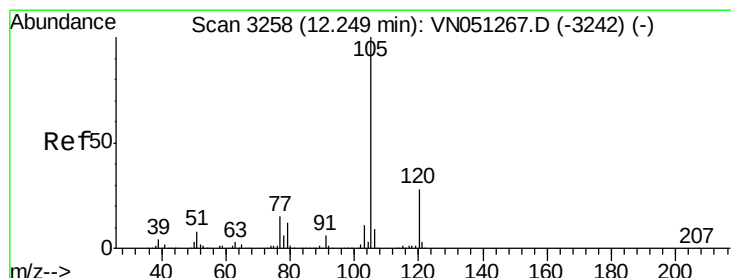
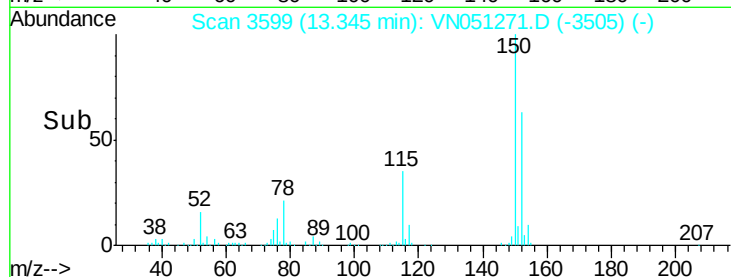
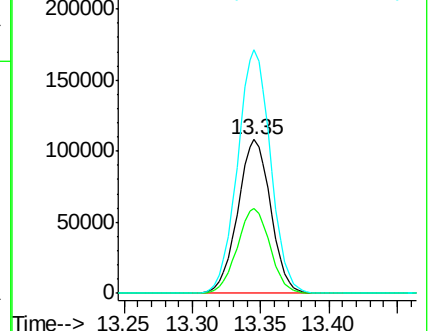
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.19 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051271.D

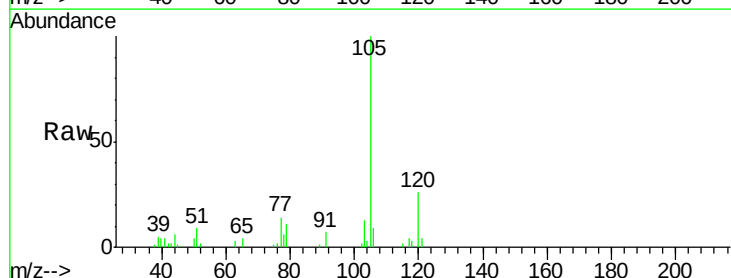
Acq: 17 Sep 2018 13:13

Tgt Ion:105 Resp: 18201

Ion Ratio Lower Upper

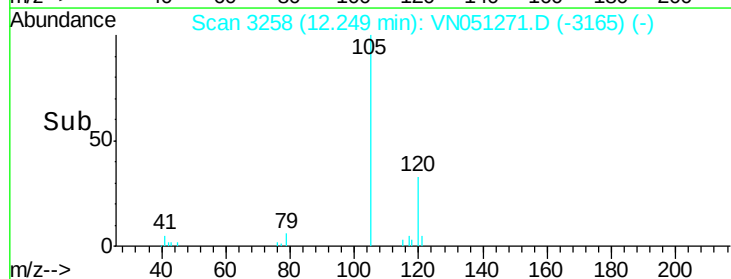
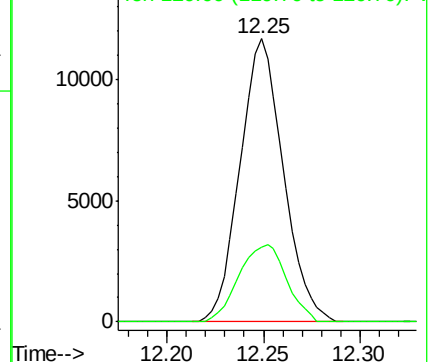
105 100

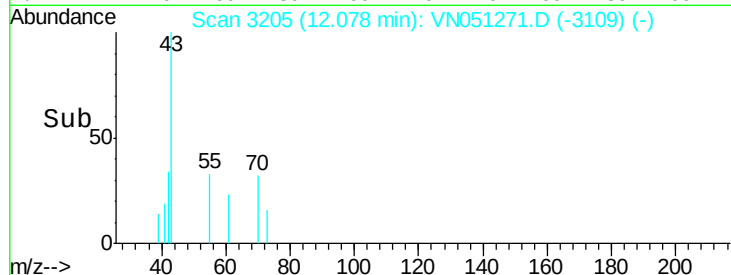
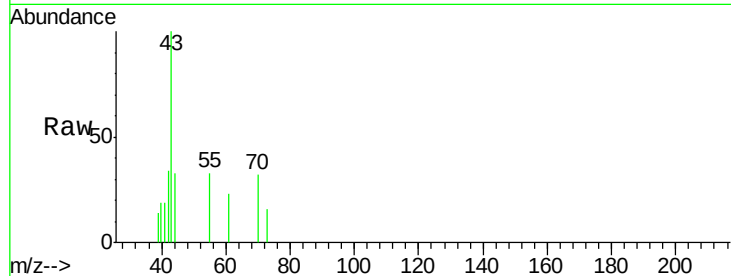
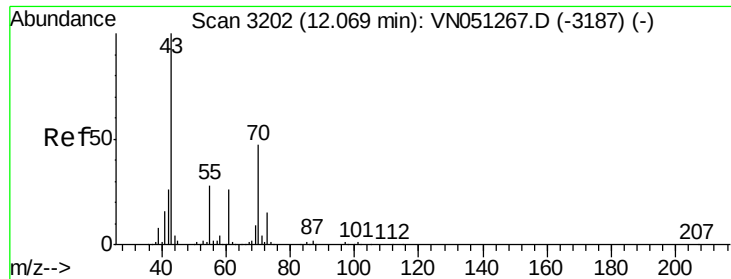
120 29.9 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.05 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Tot Ion:	43	Resp:	3926
Ion	Ratio	Lower	Upper
43	100		
70	31.9	37.8	56.6#
55	26.1	22.6	34.0
61	19.4	20.9	31.3#

Instrument :

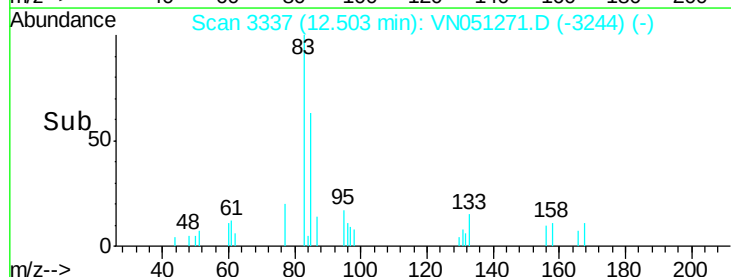
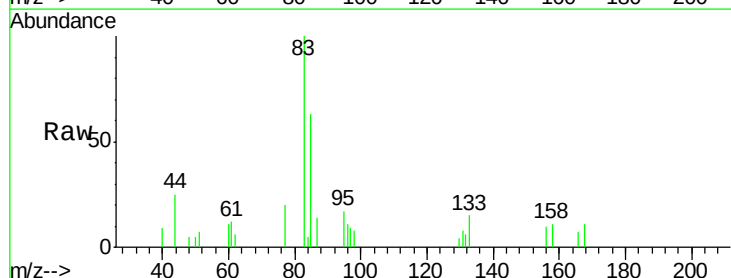
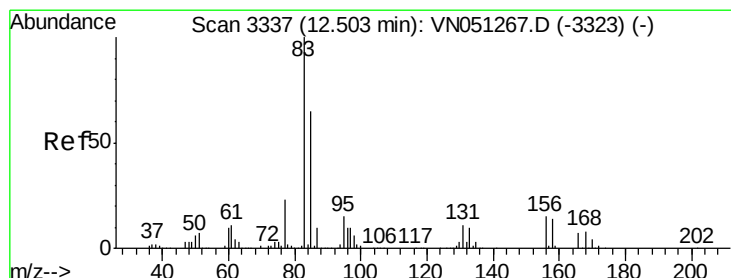
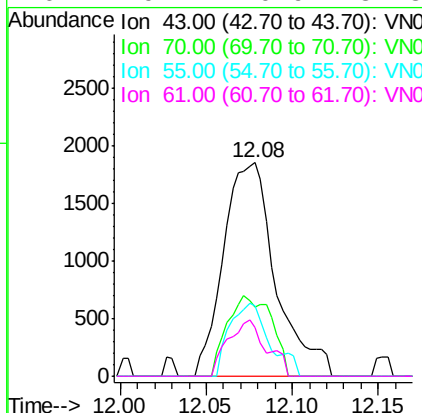
MSVOA_N

ClientSampleId :

VSTDIC001

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.41 ug/l

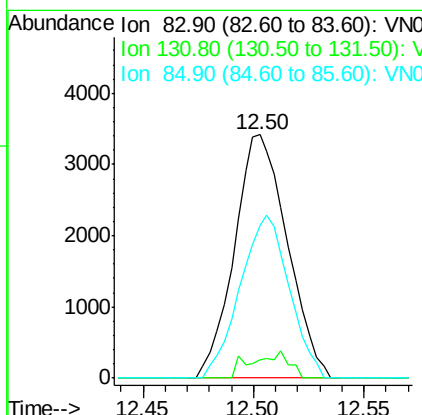
RT: 12.50 min Scan# 3337

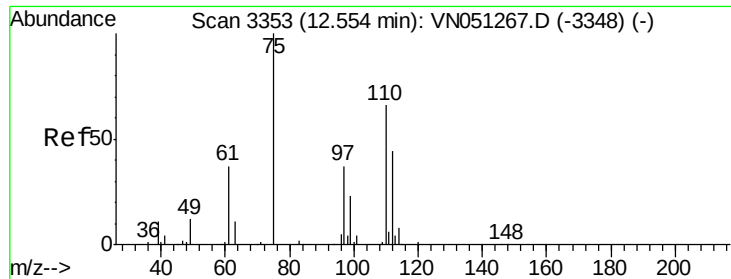
Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Tgt Ion:	83	Resp:	5670
Ion	Ratio	Lower	Upper
83	100		
131	7.7	5.5	16.7
85	61.9	32.3	96.9





#76

1,2,3-Trichloropropane

Concen: 1.12 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 3616

Ion Ratio Lower Upper

75 100

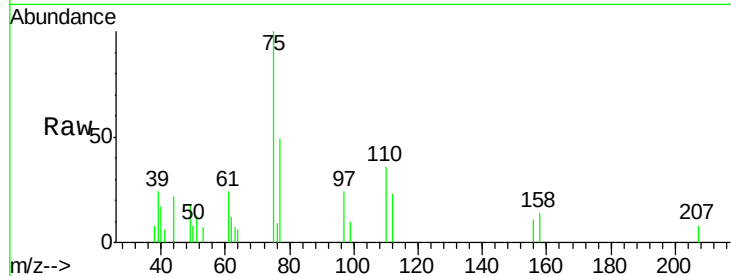
77 0.0 0.0 0.0

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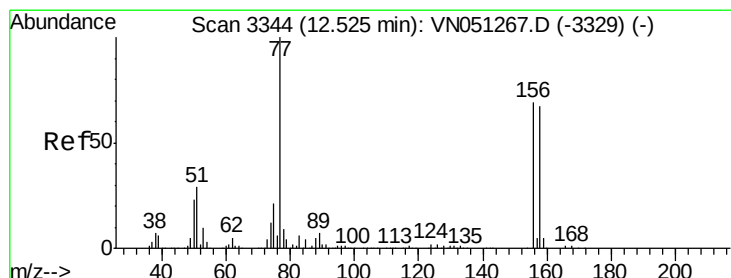
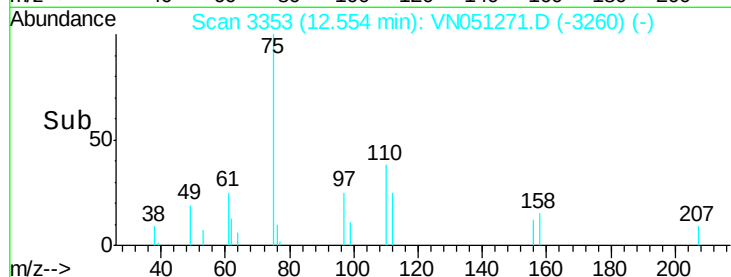
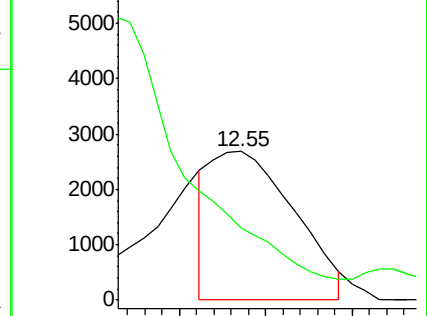
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Abundance Ion 74.90 (74.60 to 75.60): VN051267.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051267.D (-3348) (-)



#77

Bromobenzene

Concen: 1.42 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

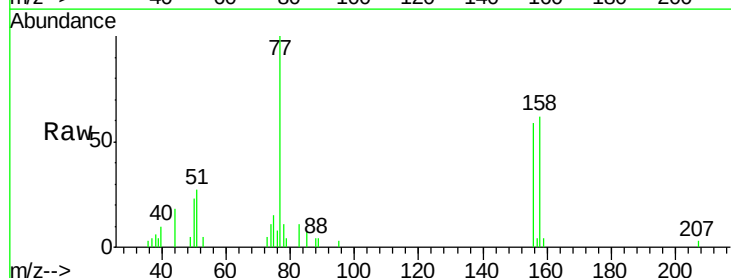
Tgt Ion: 156 Resp: 5828

Ion Ratio Lower Upper

156 100

77 173.8 83.7 251.1

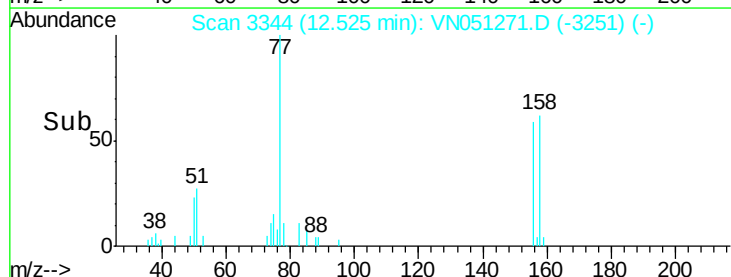
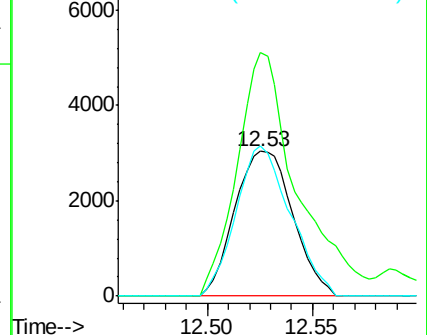
158 97.0 49.0 147.2

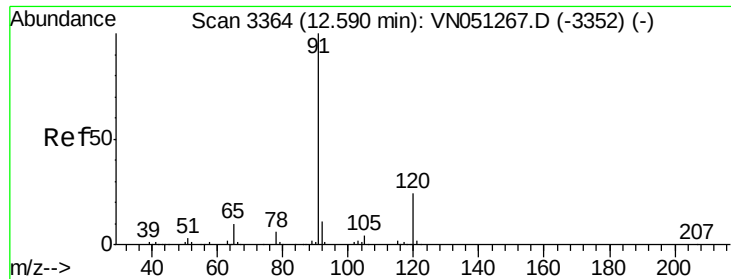


Abundance Ion 155.80 (155.50 to 156.50): VN051267.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN051267.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN051267.D (-3329) (-)





#78

n-propylbenzene

Concen: 1.11 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 18600

Ion Ratio Lower Upper

91 100

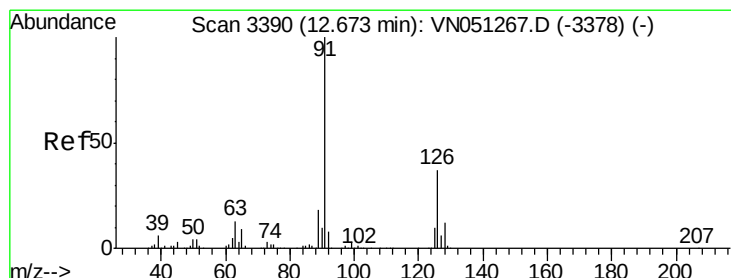
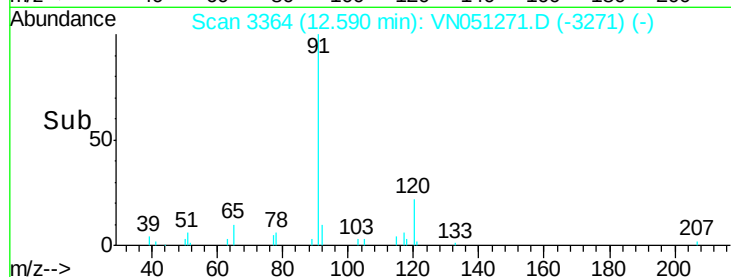
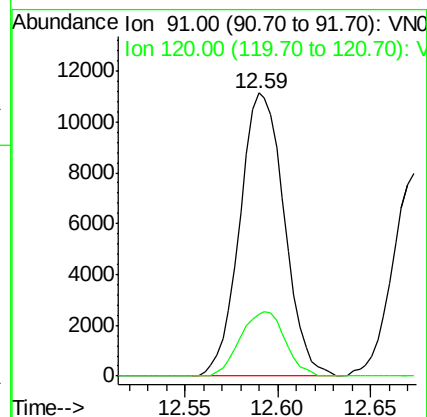
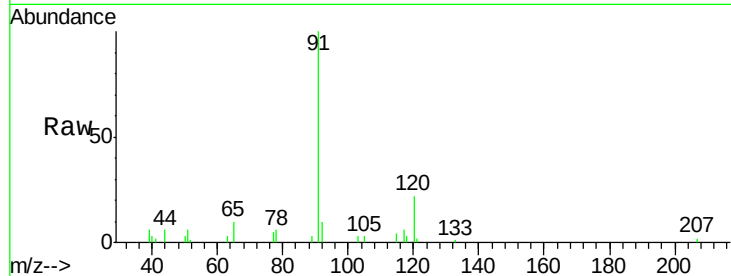
120 22.8 12.1 36.3

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.29 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051271.D

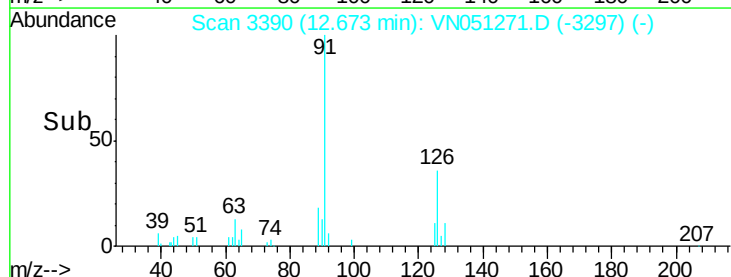
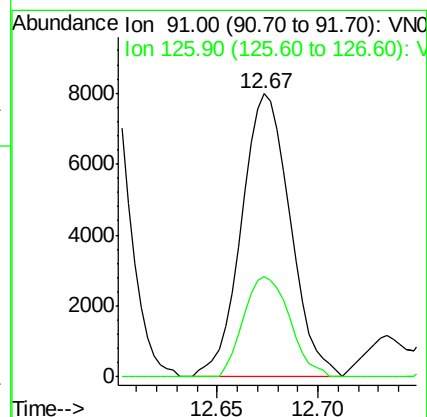
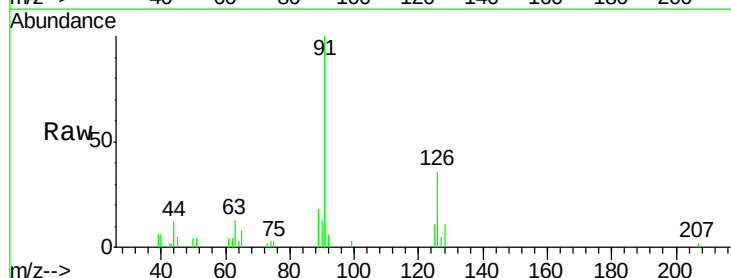
Acq: 17 Sep 2018 13:13

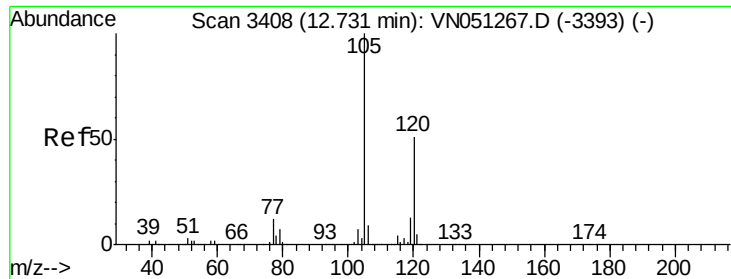
Tgt Ion: 91 Resp: 13519

Ion Ratio Lower Upper

91 100

126 33.7 18.2 54.6





#80

1,3,5-Trimethylbenzene

Concen: 1.08 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 13386

Ion Ratio Lower Upper

105 100

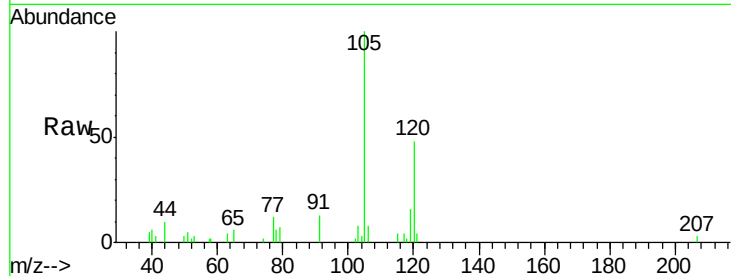
120 46.9 25.3 75.8

Manual Integrations

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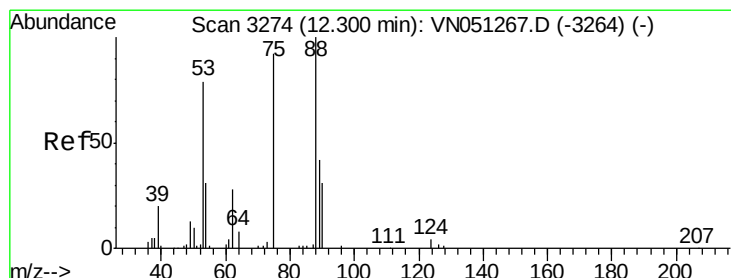
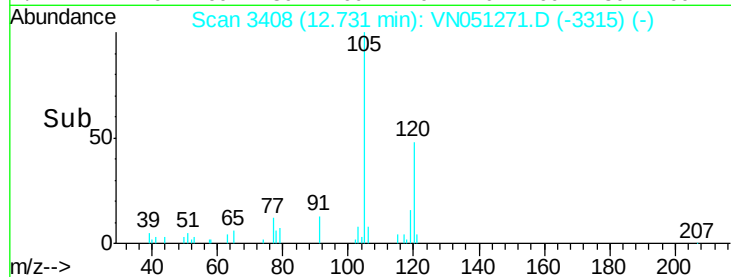
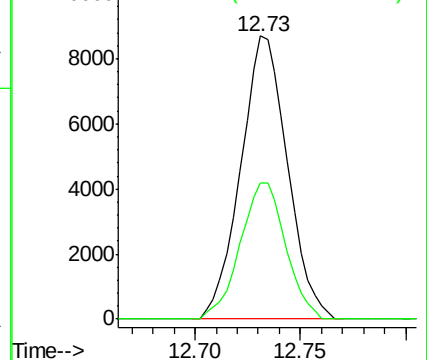
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 0.85 ug/l

RT: 12.31 min Scan# 3277

Delta R.T. 0.01 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

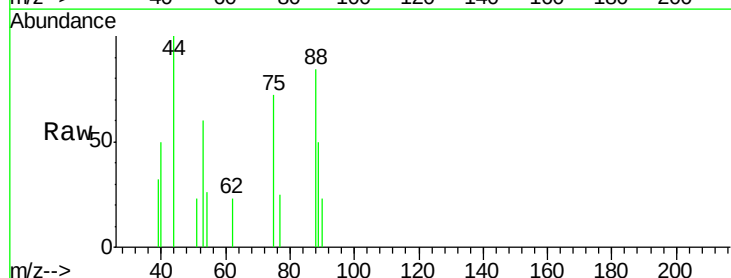
Tgt Ion: 75 Resp: 799

Ion Ratio Lower Upper

75 100

53 109.3 67.7 101.5#

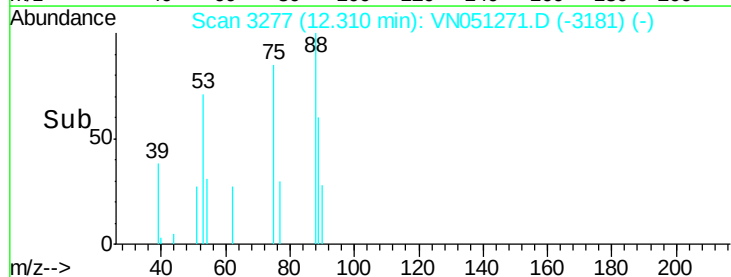
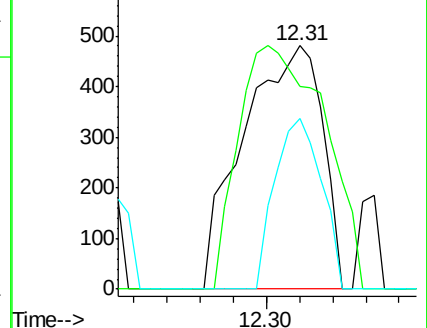
89 41.4 36.9 55.3

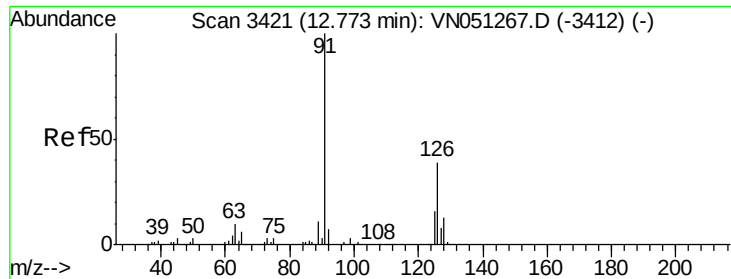


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





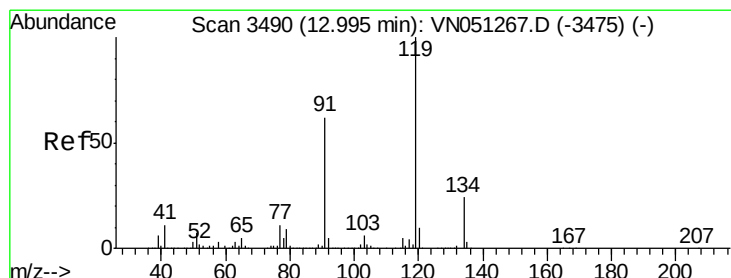
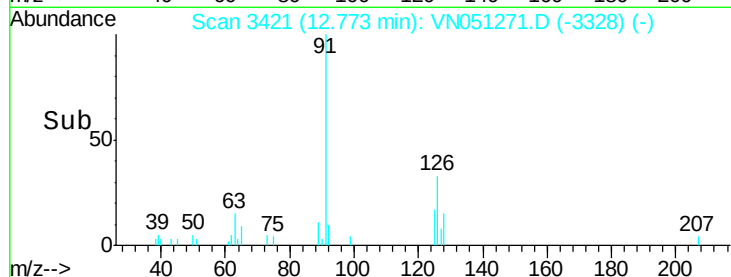
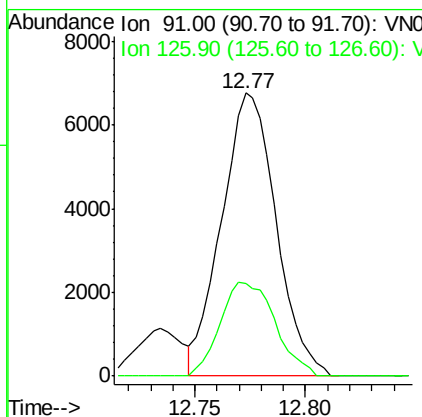
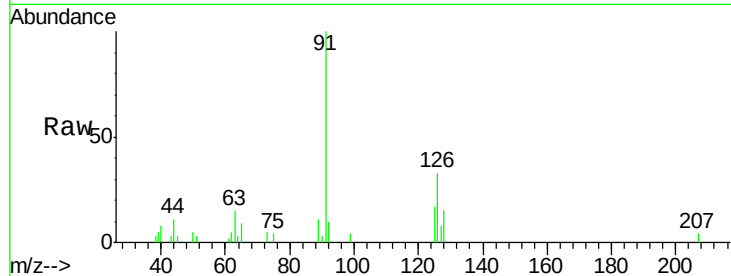
#82
4-Chlorotoluene
Concen: 1.11 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.9	53.8

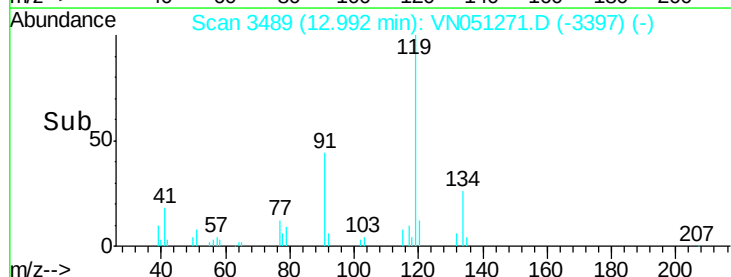
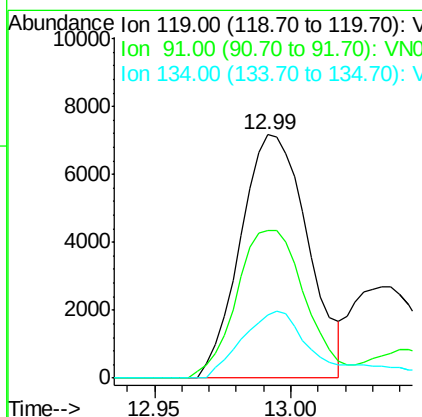
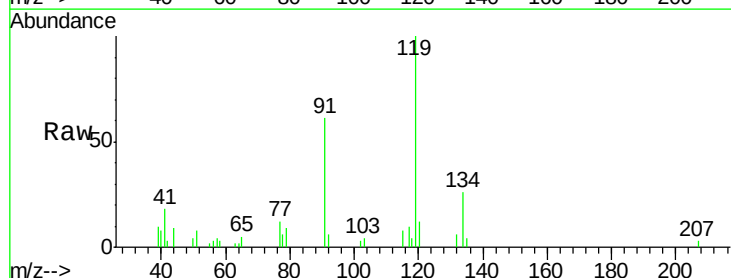
Manual Integrations
APPROVED

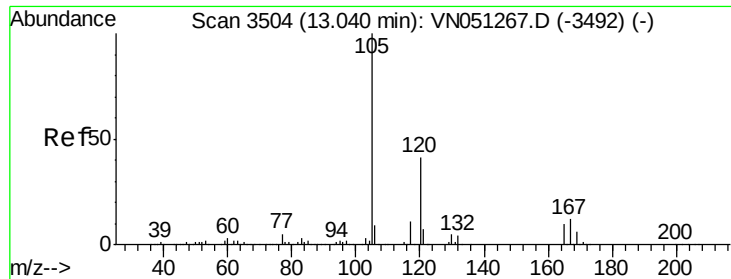
MMDadoda
9/19/2018 4:57:52 PM



#83
tert-Butylbenzene
Concen: 1.13 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051271.D
Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.8	92.4
134	30.6	12.4	37.0





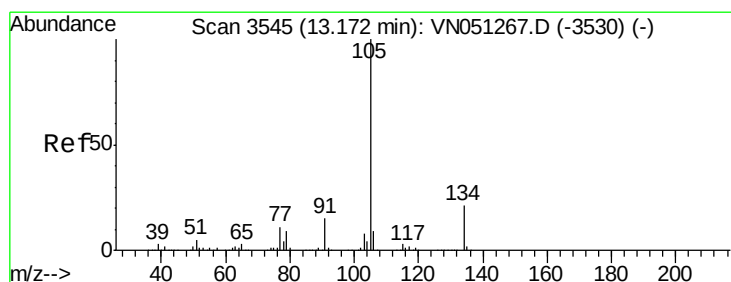
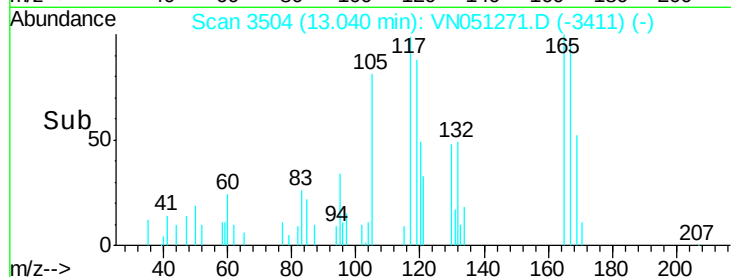
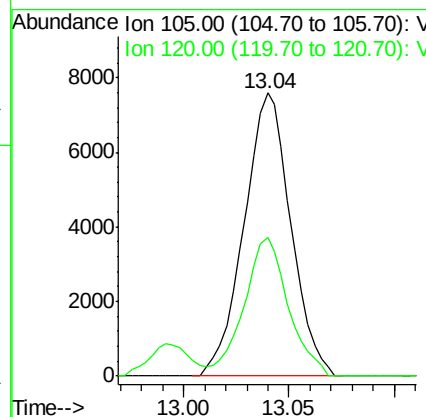
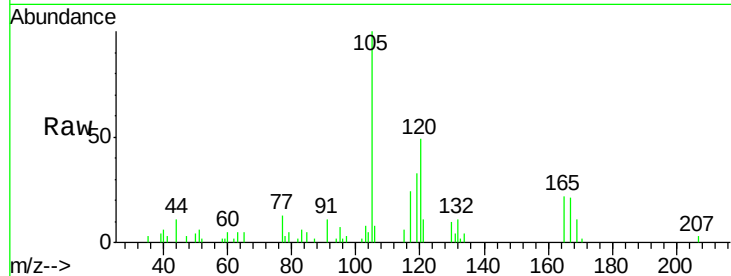
#84
 1,2,4-Trimethylbenzene
 Concen: 0.96 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 11689
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.5 70.6

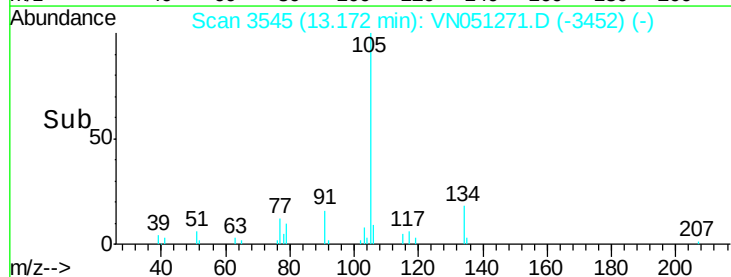
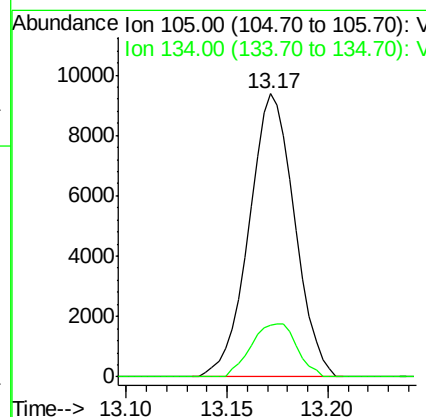
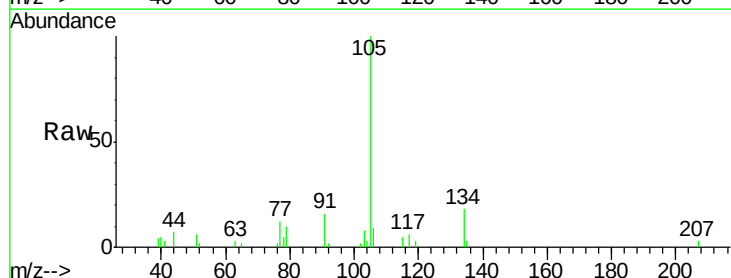
Manual Integrations
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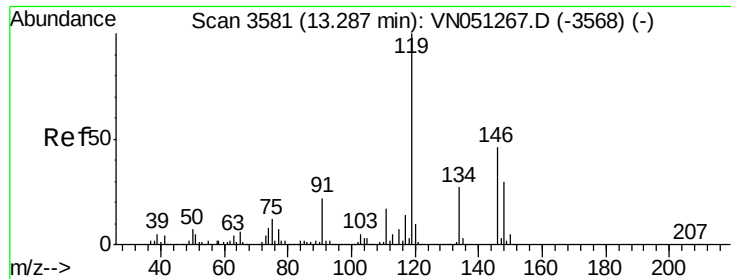
MMDadoda
 9/19/2018 4:57:52 PM



#85
 sec-Butylbenzene
 Concen: 1.06 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion:105 Resp: 14819
 Ion Ratio Lower Upper
 105 100
 134 18.9 10.5 31.6





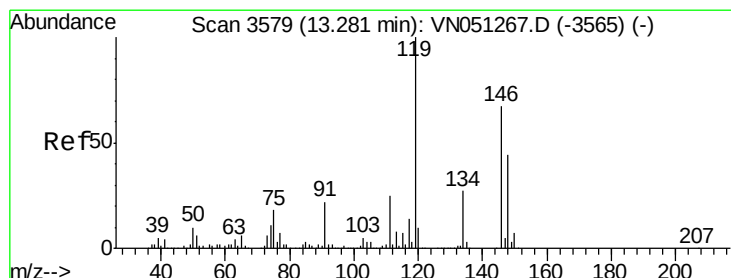
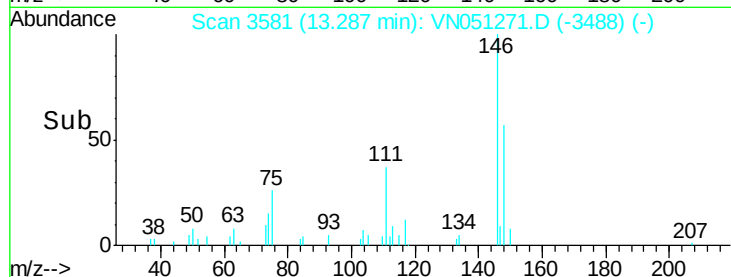
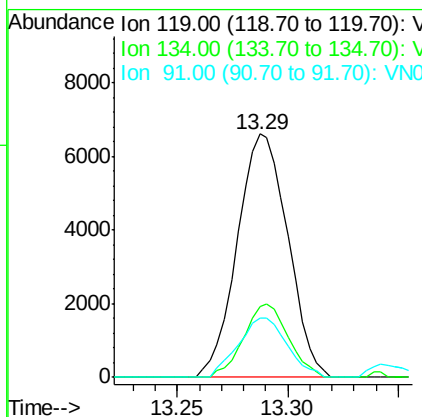
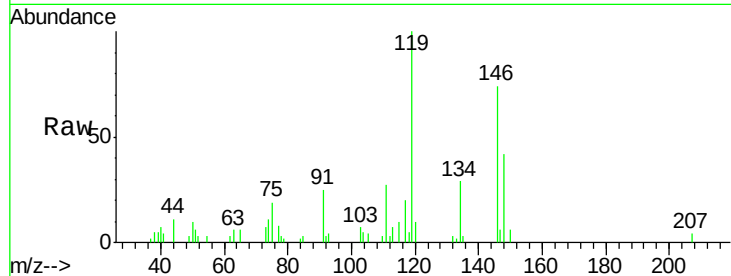
#86
 p-Isopropyltoluene
 Concen: 0.88 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	23.6	11.1	33.1

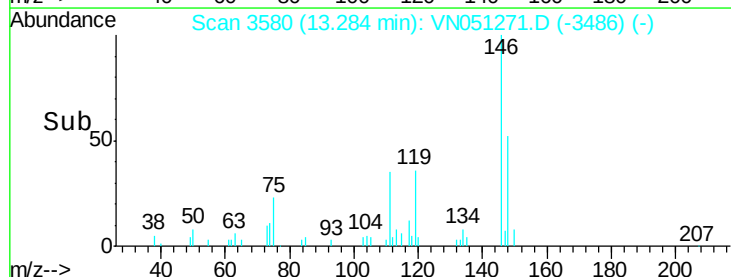
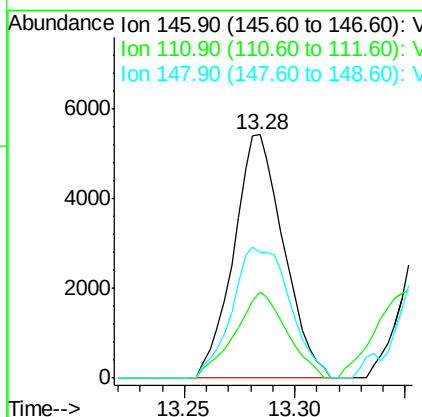
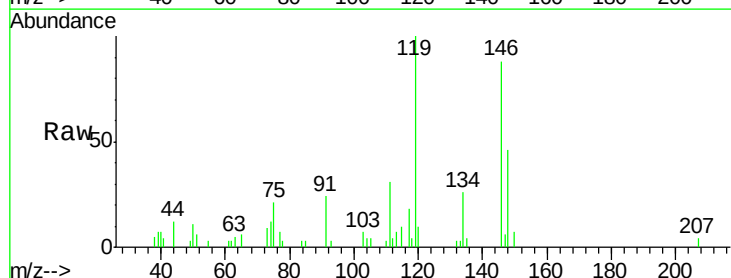
Manual Integrations
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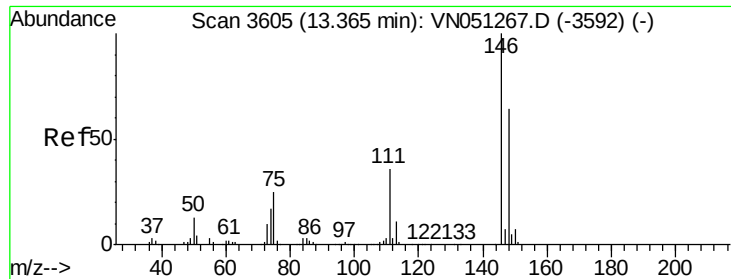
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#87
 1,3-Dichlorobenzene
 Concen: 1.23 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.7	56.1
148	62.1	32.2	96.6





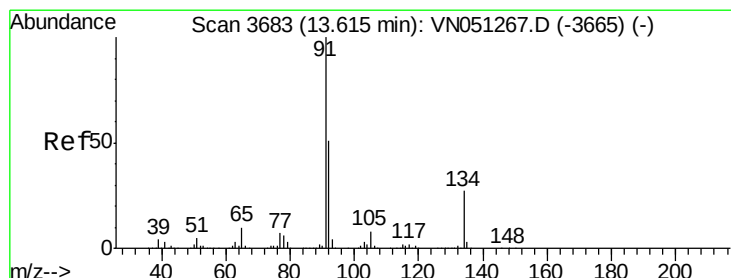
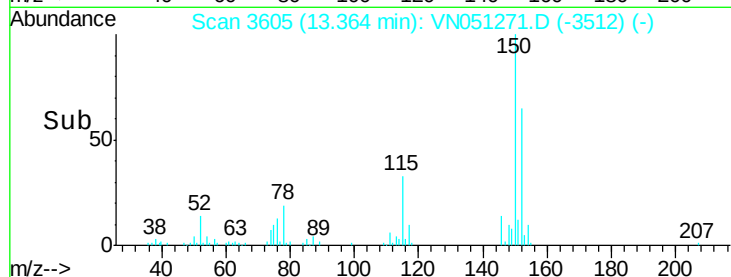
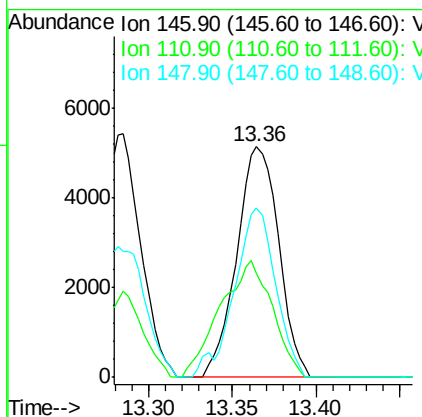
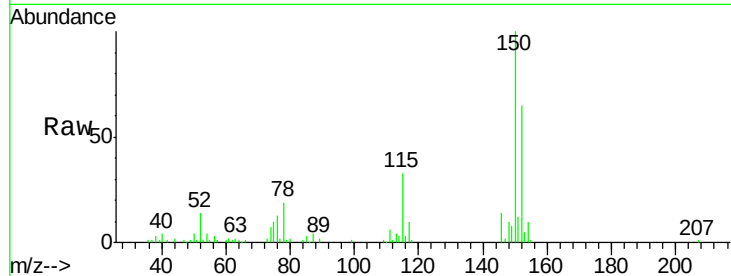
#88
 1,4-Dichlorobenzene
 Concen: 1.32 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.6	18.2	54.6
148	58.7	31.9	95.7

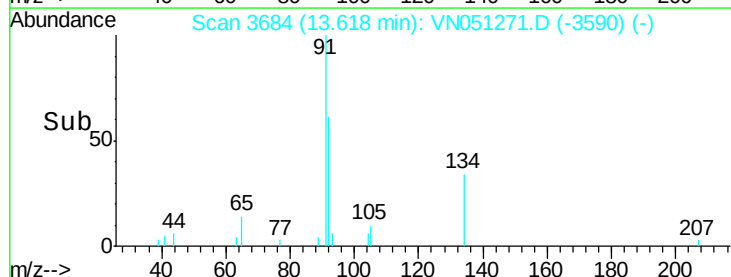
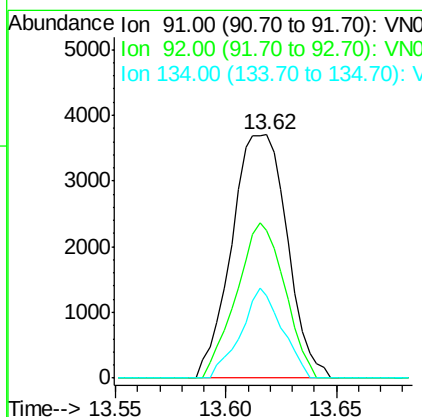
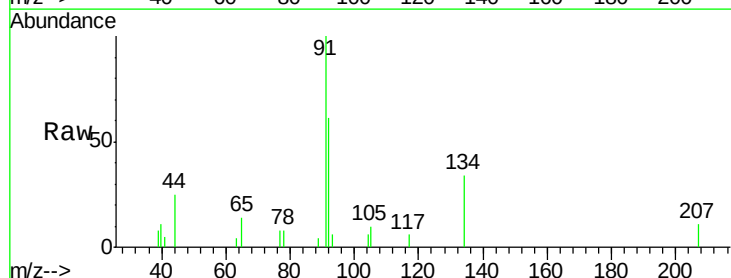
Manual Integrations
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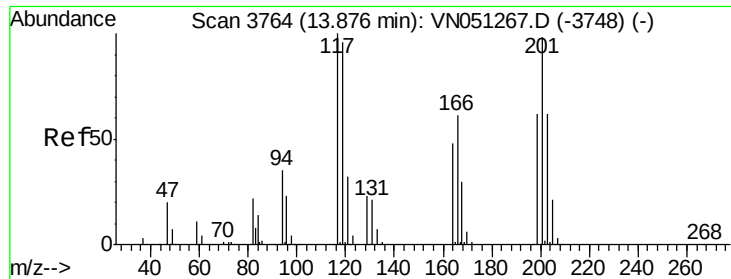
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#89
 n-Butylbenzene
 Concen: 0.71 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	25.8	77.4
134	27.3	13.7	41.0





#90

Hexachloroethane

Concen: 1.46 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:117 Resp: 3561

Ion Ratio Lower Upper

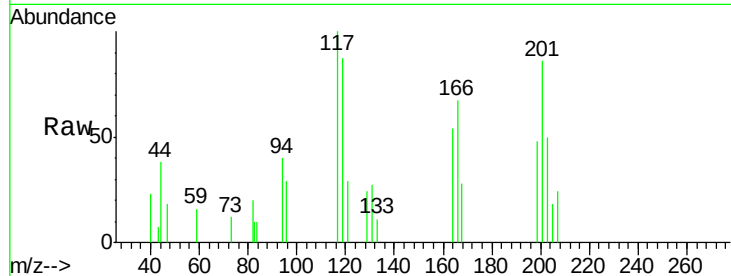
117 100

201 95.1 48.4 145.3

Manual Integrations
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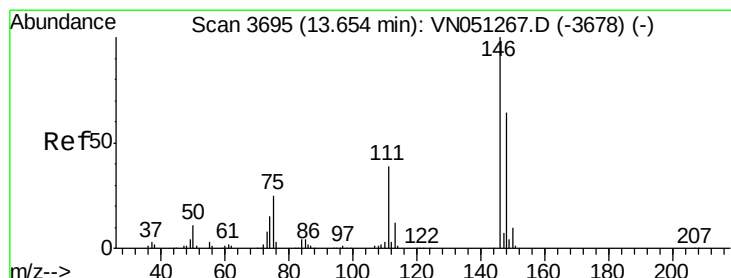
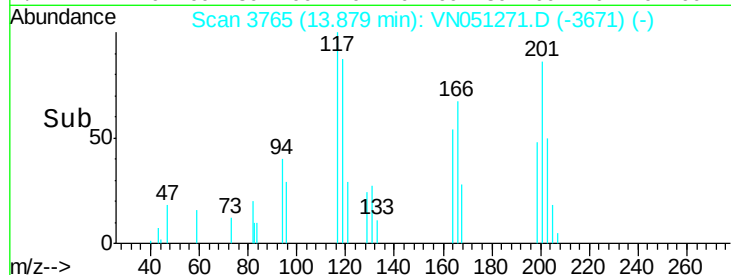
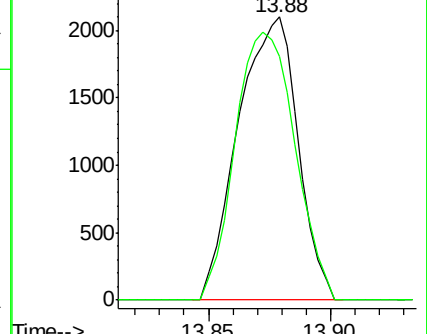
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.28 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

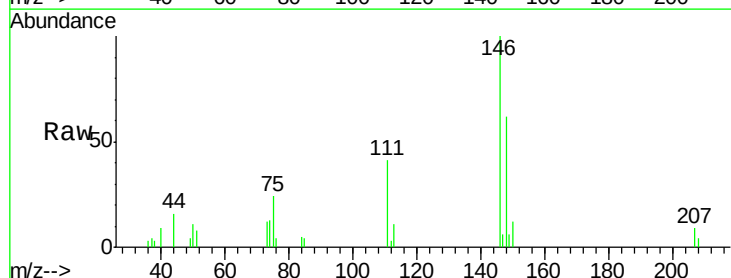
Tgt Ion:146 Resp: 8680

Ion Ratio Lower Upper

146 100

111 40.4 19.6 58.7

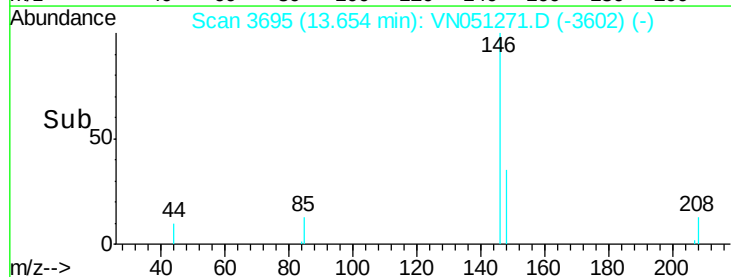
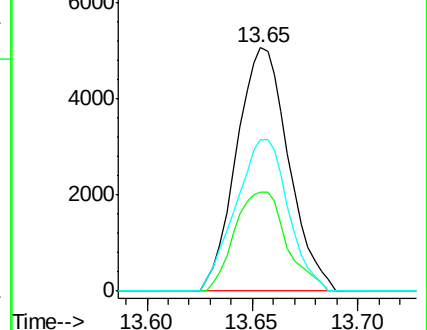
148 62.8 31.9 95.9

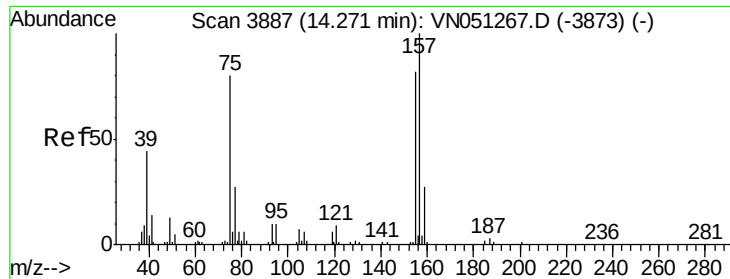


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





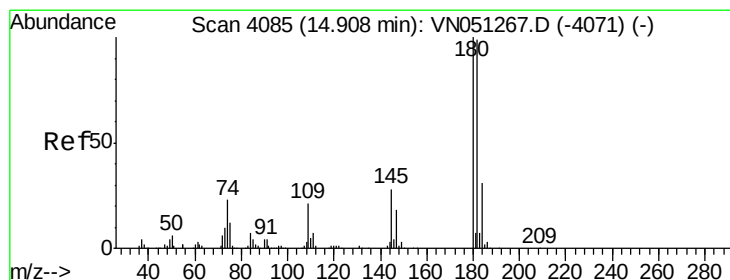
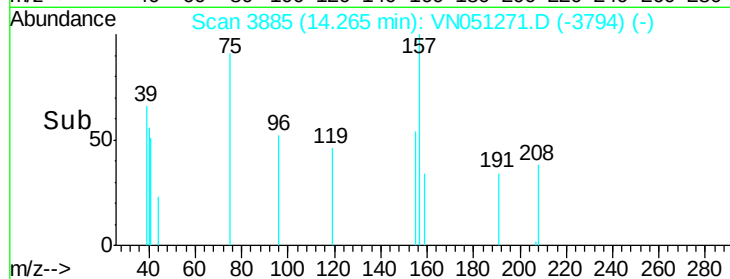
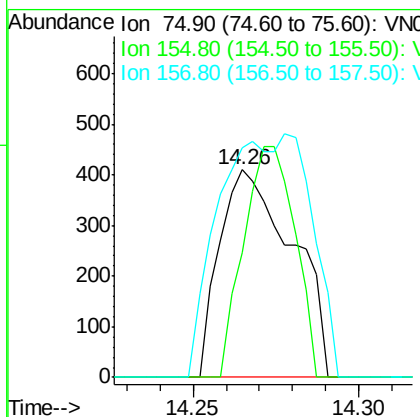
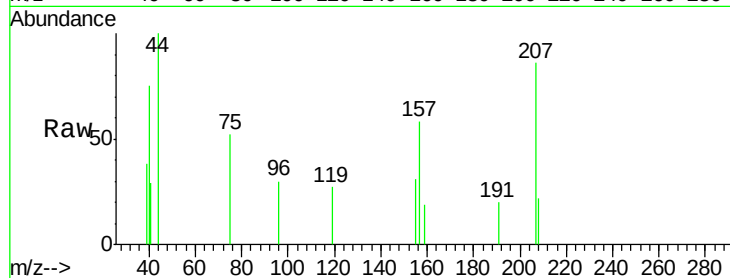
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.07 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	78.1	50.2	150.7
157	79.6	62.9	188.7

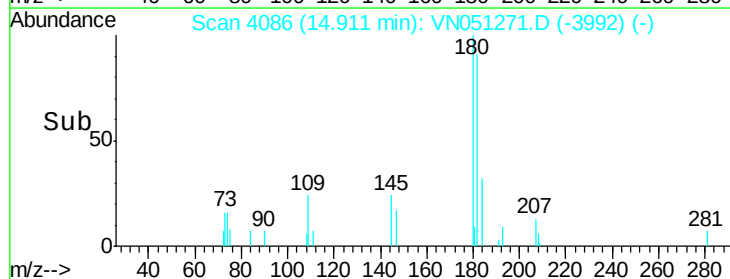
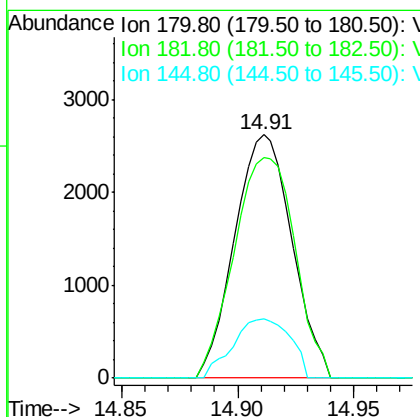
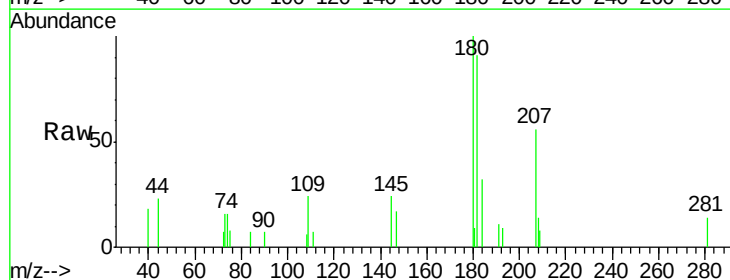
Manual Integrations
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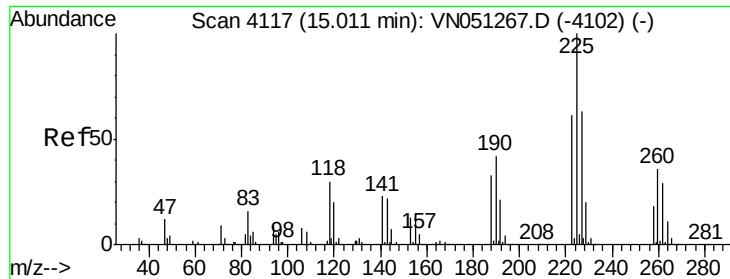
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 1.58 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.5	145.6
145	24.2	14.0	41.9





#94

Hexachlorobutadiene

Concen: 2.01 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN051271.D

Acq: 17 Sep 2018 13:13

Instrument :

MSVOA_N

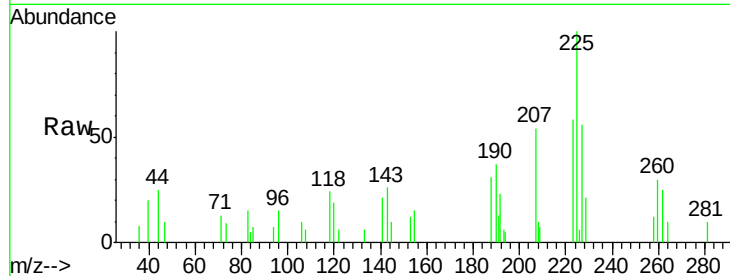
ClientSampleId :

VSTDIC001

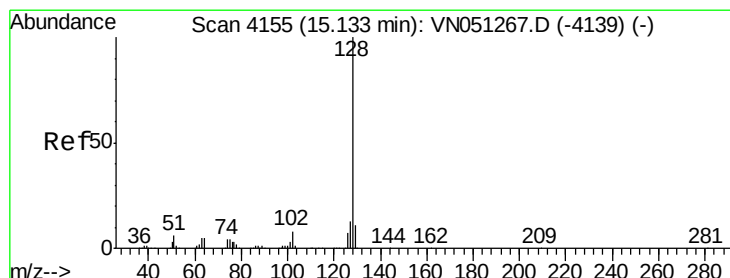
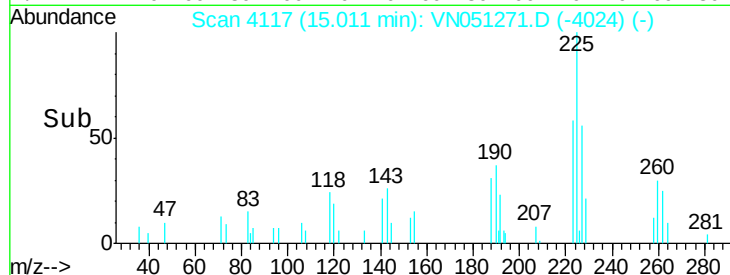
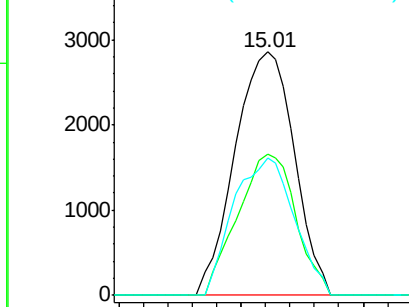
Tot Ion:	225	Resp:	4816
Ion Ratio	Lower	Upper	
225	100		
223	56.7	30.8	92.3
227	57.8	32.1	96.3

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



#95

Naphthalene

Concen: 1.53 ug/l

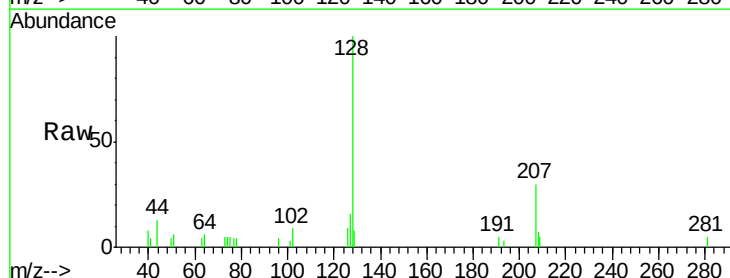
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

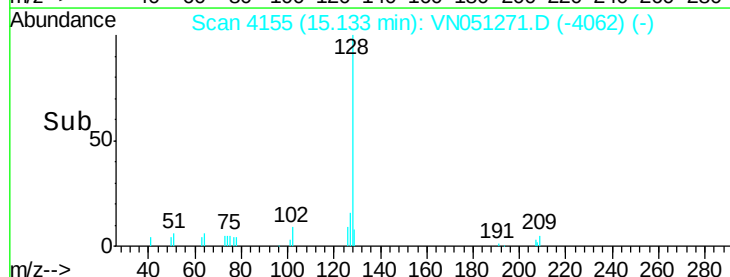
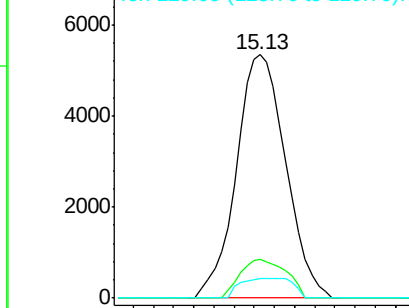
Lab File: VN051271.D

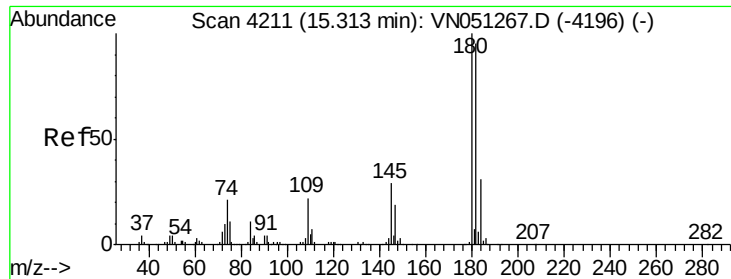
Acq: 17 Sep 2018 13:13

Tgt Ion:	128	Resp:	9146
Ion Ratio	Lower	Upper	
128	100		
127	15.0	10.7	16.1
129	8.6	8.9	13.3#



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





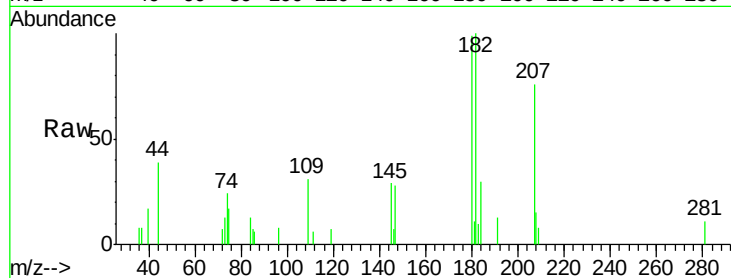
#96
 1,2,3-Trichlorobenzene
 Concen: 1.63 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051271.D
 Acq: 17 Sep 2018 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.6
145	28.9	14.8	44.4

Manual Integrations
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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

