

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049864.D
 Acq On : 18 Jul 2018 10:43
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 4:28:52 PM

Quant Time: Jul 18 12:11:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 12:05:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	551466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	845004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	759471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	364986	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	40103	5.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.86%	
35) Dibromofluoromethane	7.59	113	36261	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
50) Toluene-d8	10.09	98	118492	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.40	95	38274	4.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	36240	6.38	ug/l	96
3) Chloromethane	2.06	50	42919	5.87	ug/l	99
4) Vinyl Chloride	2.18	62	46192	5.86	ug/l	98
5) Bromomethane	2.56	94	30008	6.02	ug/l	98
6) Chloroethane	2.70	64	29247	5.84	ug/l	95
7) Trichlorofluoromethane	3.01	101	63299	5.97	ug/l	93
8) Diethyl Ether	3.41	74	20189	5.33	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39179	6.15	ug/l	97
10) Methyl Iodide	3.95	142	45742	5.74	ug/l	95
11) Tert butyl alcohol	4.80	59	13657	23.28	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	32644	5.67	ug/l	95
13) Acrolein	3.61	56	11311	24.87	ug/l	95
14) Allyl chloride	4.32	41	48069	5.26	ug/l	98
15) Acrylonitrile	4.99	53	59324	24.04	ug/l	96
16) Acetone	3.82	43	48093	23.38	ug/l	98
17) Carbon Disulfide	4.04	76	99017	5.66	ug/l	100
18) Methyl Acetate	4.33	43	35272	4.58	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	80417	5.01	ug/l	98
20) Methylene Chloride	4.55	84	39467	5.57	ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	33471	5.50	ug/l	99
22) Diisopropyl ether	5.96	45	93964	5.15	ug/l	96
23) Vinyl Acetate	5.90	43	319826	23.82	ug/l	99
24) 1,1-Dichloroethane	5.85	63	68233	5.83	ug/l	98
25) 2-Butanone	6.84	43	67833	22.31	ug/l	98
26) 2,2-Dichloropropane	6.82	77	51180	5.74	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	36005	5.28	ug/l	98
28) Bromochloromethane	7.19	49	28521	5.25	ug/l	97
29) Tetrahydrofuran	7.22	42	39125	20.24	ug/l	96
30) Chloroform	7.37	83	69476	5.75	ug/l	97
31) Cyclohexane	7.66	56	56099	5.04	ug/l #	87
32) 1,1,1-Trichloroethane	7.57	97	58945	5.74	ug/l	99
36) 1,1-Dichloropropene	7.80	75	47929	5.36	ug/l	98
37) Ethyl Acetate	6.93	43	30565	4.58	ug/l	99
38) Carbon Tetrachloride	7.77	117	53341	5.66	ug/l	96

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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)
39) Methylcyclohexane	9.08	83	45025	4.89	ug/l	88
40) Benzene	8.04	78	146893	5.42	ug/l	100
41) Methacrylonitrile	7.17	41	16274m	4.75	ug/l	
42) 1,2-Dichloroethane	8.13	62	50056	5.43	ug/l	97
43) Isopropyl Acetate	8.17	43	58009	5.11	ug/l	98
44) Trichloroethene	8.84	130	38984	5.47	ug/l	99
45) 1,2-Dichloropropane	9.12	63	40041	5.55	ug/l	97
46) Dibromomethane	9.21	93	25236	5.48	ug/l	97
47) Bromodichloromethane	9.40	83	50909	5.44	ug/l	97
48) Methyl methacrylate	9.20	41	25665	4.56	ug/l	97
49) 1,4-Dioxane	9.20	88	7261	85.15	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	146230	21.91	ug/l	97
52) Toluene	10.16	92	85545	5.27	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	45436	4.97	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	53178	5.18	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	37008	5.55	ug/l	98
56) Ethyl methacrylate	10.43	69	34931	4.33	ug/l	95
57) 1,3-Dichloropropane	10.71	76	55335	5.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	81160	21.30	ug/l	97
59) 2-Hexanone	10.75	43	92080	20.13	ug/l	94
60) Dibromochloromethane	10.90	129	38308	5.16	ug/l	99
61) 1,2-Dibromoethane	11.01	107	31703	4.85	ug/l	97
64) Tetrachloroethene	10.63	164	36053	5.58	ug/l	95
65) Chlorobenzene	11.43	112	97266	5.40	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	37763	5.46	ug/l	98
67) Ethyl Benzene	11.51	91	146847	5.07	ug/l	99
68) m/p-Xylenes	11.62	106	109934	10.01	ug/l	100
69) o-Xylene	11.95	106	52355	5.00	ug/l	98
70) Styrene	11.96	104	81371	4.79	ug/l	98
71) Bromoform	12.13	173	25993	4.88	ug/l #	99
73) Isopropylbenzene	12.25	105	138447	5.24	ug/l	100
74) N-amyl acetate	12.07	43	40160	4.60	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	45194	5.33	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	34490m	4.83	ug/l	
77) Bromobenzene	12.53	156	40729	5.62	ug/l	98
78) n-propylbenzene	12.59	91	154094	5.18	ug/l	100
79) 2-Chlorotoluene	12.68	91	101207	5.51	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	107543	5.19	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	10128	4.64	ug/l	93
82) 4-Chlorotoluene	12.77	91	98205	5.41	ug/l	100
83) tert-Butylbenzene	12.99	119	95889	5.28	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	110138	5.21	ug/l	98
85) sec-Butylbenzene	13.17	105	131028	5.37	ug/l	100
86) p-Isopropyltoluene	13.29	119	105133	5.09	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	69023	5.54	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	69849	5.71	ug/l	96
89) n-Butylbenzene	13.62	91	87204	5.15	ug/l	94
90) Hexachloroethane	13.88	117	26314	5.67	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	67683	5.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6335	4.46	ug/l	96

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ClientSampleId :
VSTDICC005

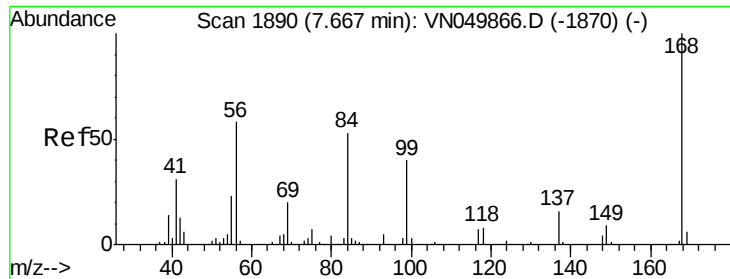
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	22655	4.02	ug/l	98
94) Hexachlorobutadiene	15.01	225	22937	5.80	ug/l	98
95) Naphthalene	15.14	128	41796	3.11	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	24982	4.19	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 551466

Ion Ratio Lower Upper

168 100

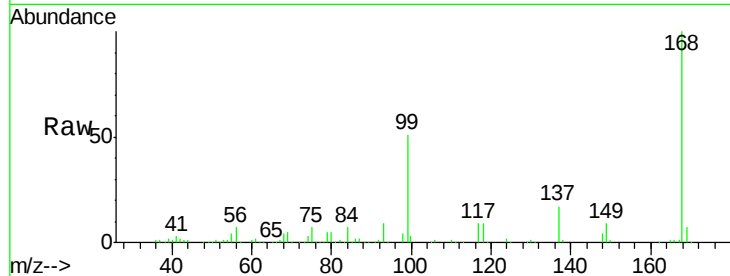
99 50.3 40.6 61.0

Manual Integrations

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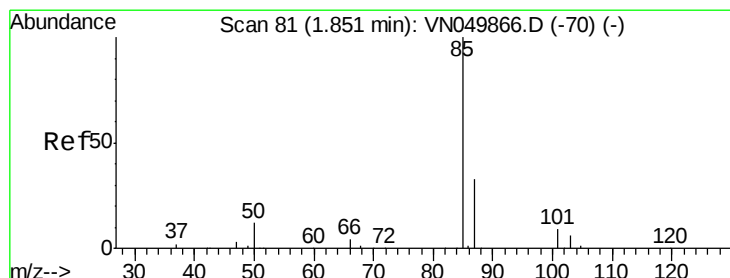
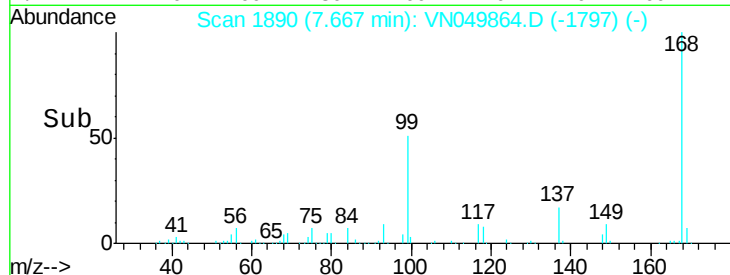
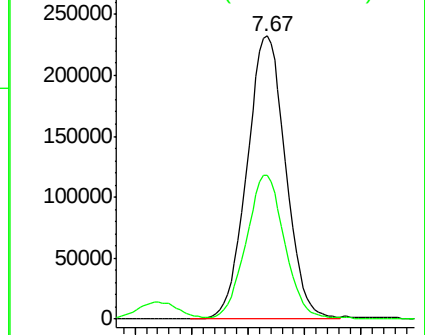
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 6.38 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049864.D

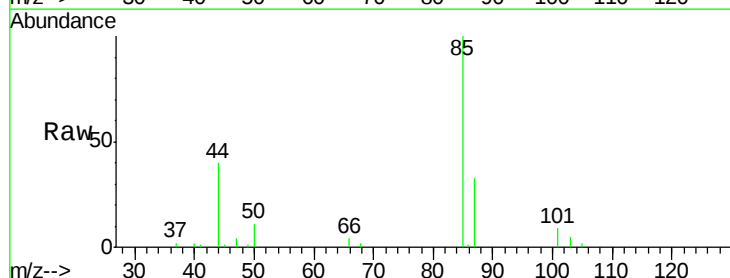
Acq: 18 Jul 2018 10:43

Tgt Ion: 85 Resp: 36240

Ion Ratio Lower Upper

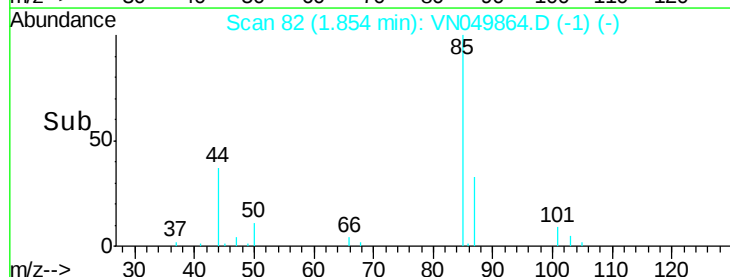
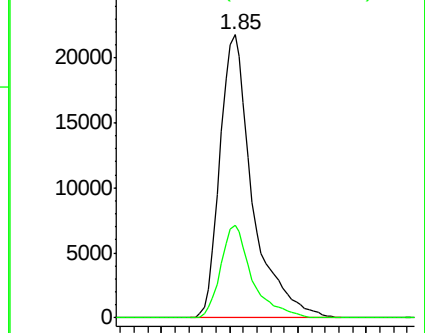
85 100

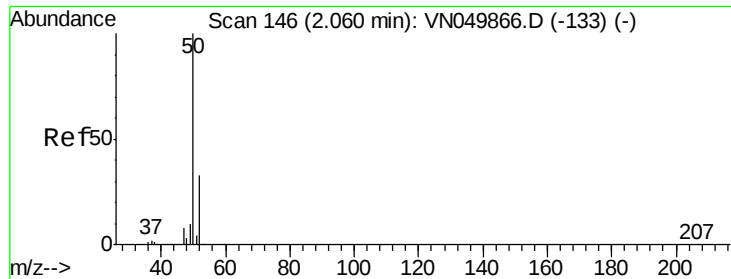
87 32.7 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 5.87 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 42919

Ion Ratio Lower Upper

50 100

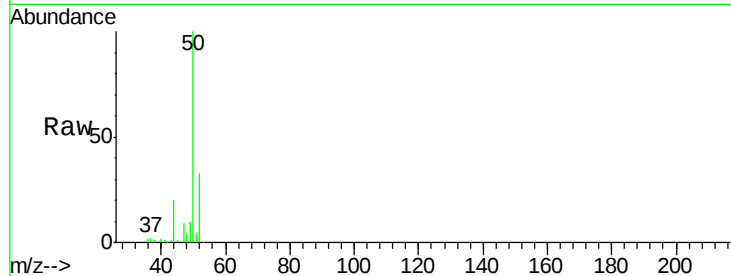
52 32.9 26.1 39.1

Manual Integrations

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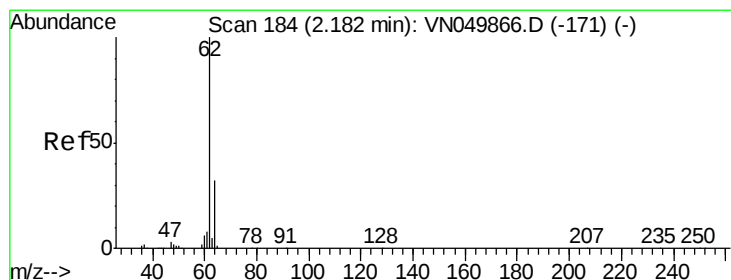
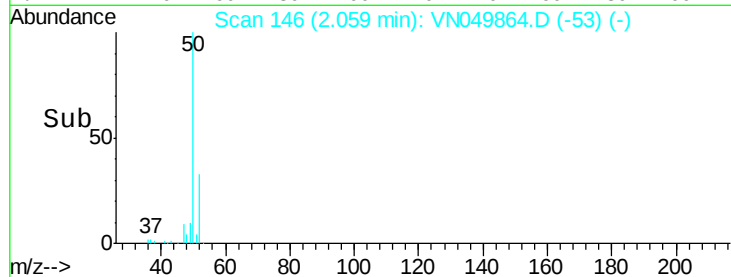
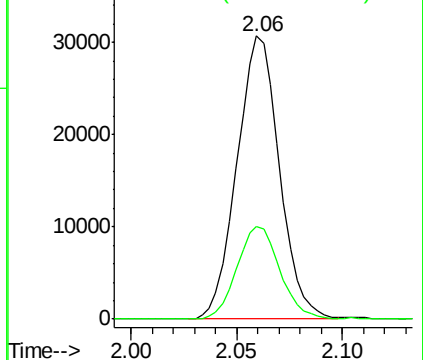
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 5.86 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049864.D

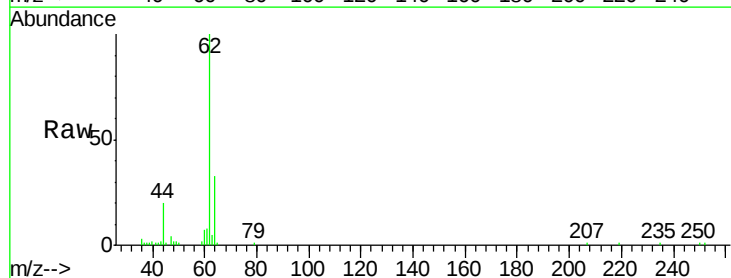
Acq: 18 Jul 2018 10:43

Tgt Ion: 62 Resp: 46192

Ion Ratio Lower Upper

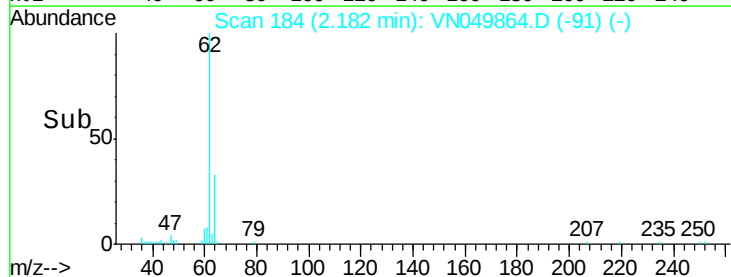
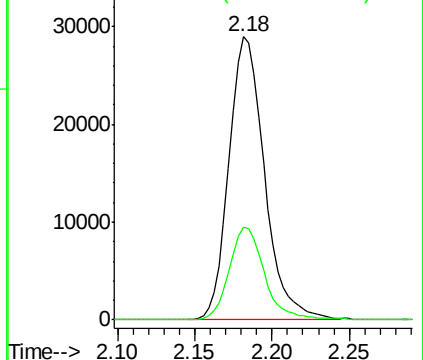
62 100

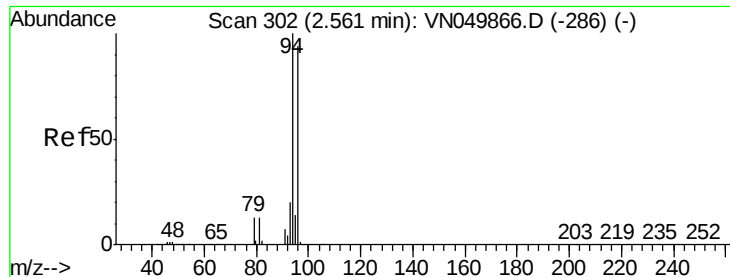
64 33.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 6.02 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 30008

Ion Ratio Lower Upper

94 100

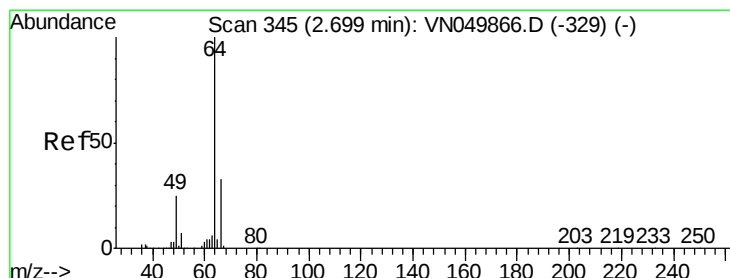
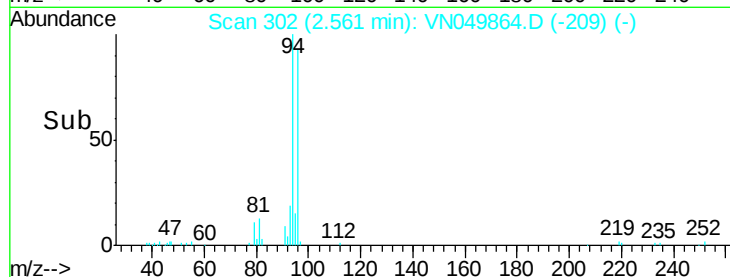
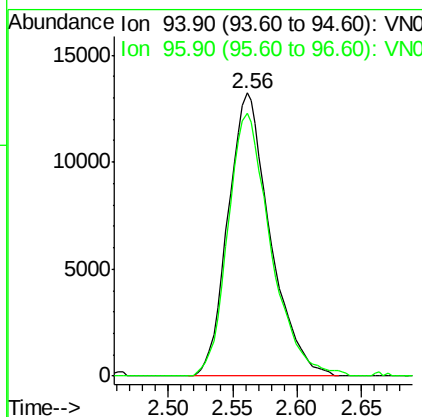
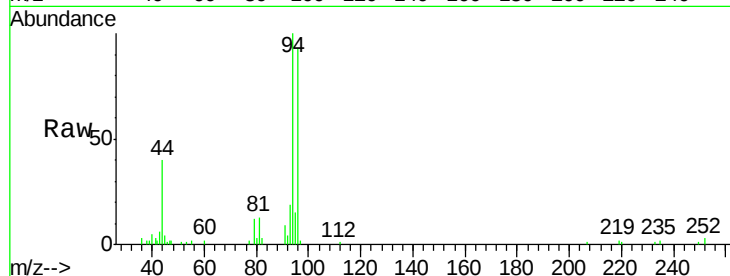
96 93.0 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 5.84 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049864.D

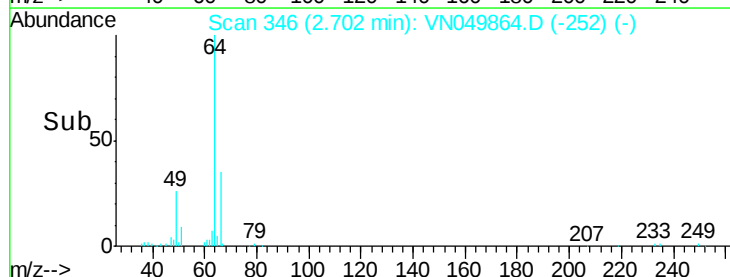
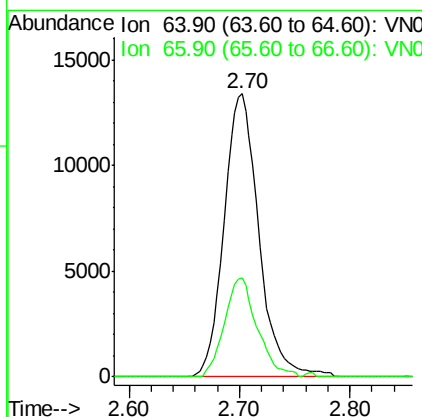
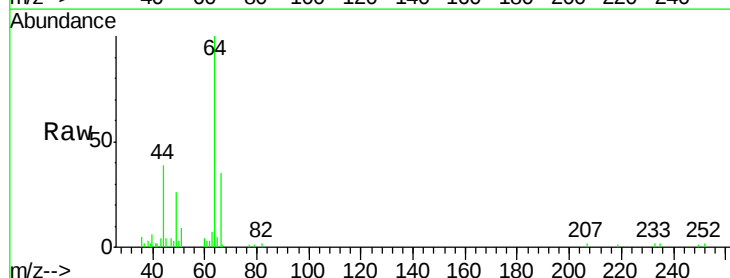
Acq: 18 Jul 2018 10:43

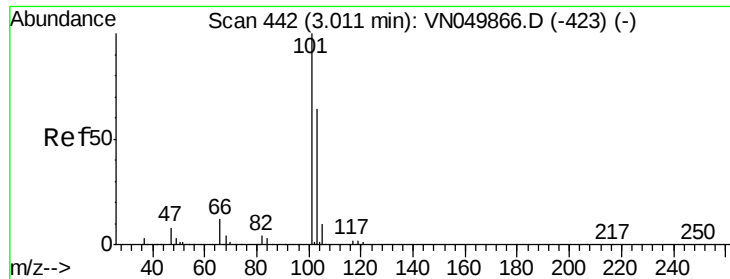
Tgt Ion: 64 Resp: 29247

Ion Ratio Lower Upper

64 100

66 34.9 25.6 38.4





#7

Trichlorofluoromethane

Concen: 5.97 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 63299

Ion Ratio Lower Upper

101 100

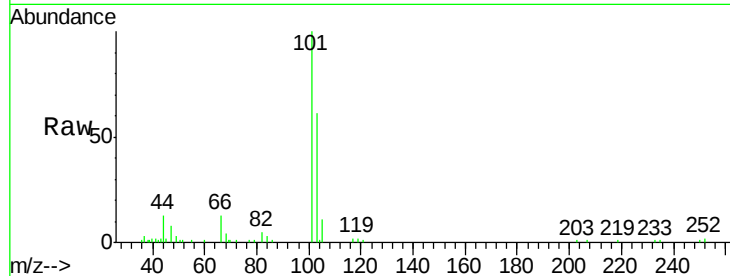
103 60.5 52.8 79.2

Manual Integrations

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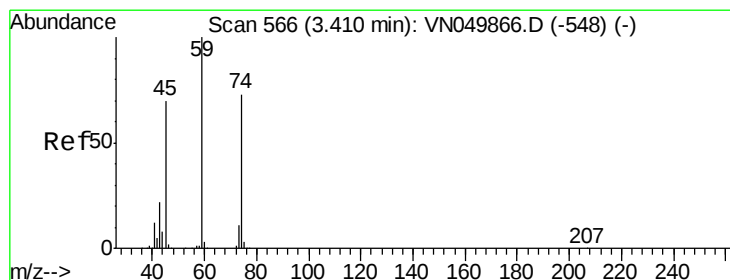
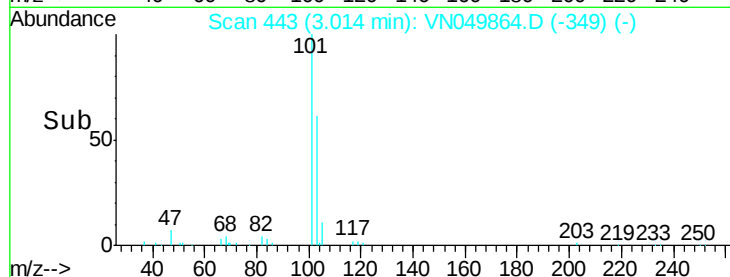
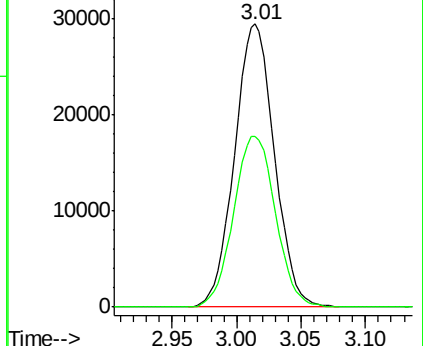
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.33 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049864.D

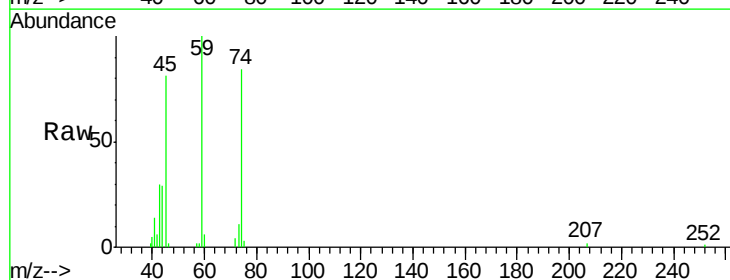
Acq: 18 Jul 2018 10:43

Tgt Ion: 74 Resp: 20189

Ion Ratio Lower Upper

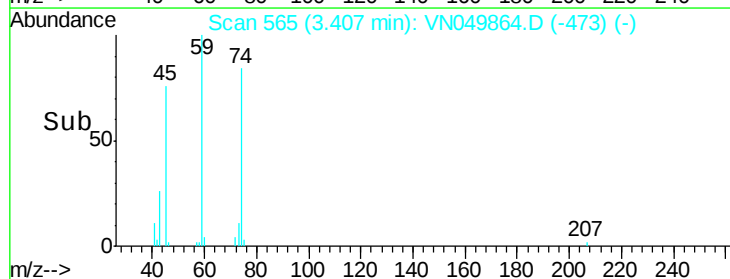
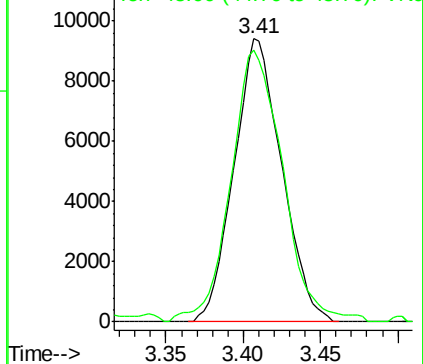
74 100

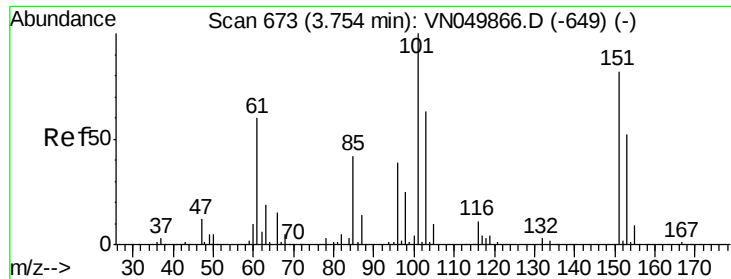
45 104.6 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





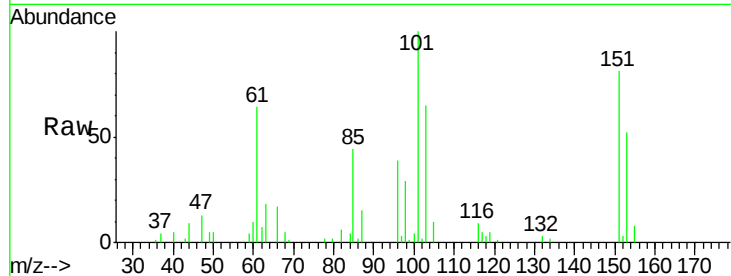
#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.15 ug/l
RT: 3.75 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN049864.D
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ClientSampleId :
VSTDIC005

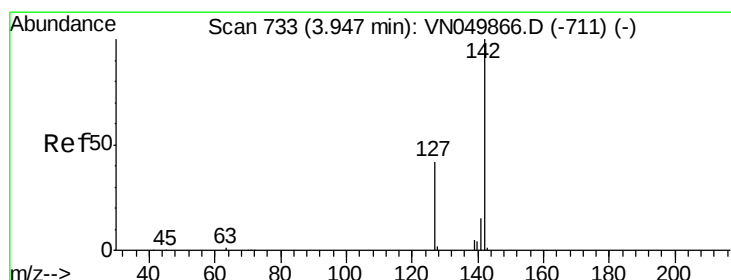
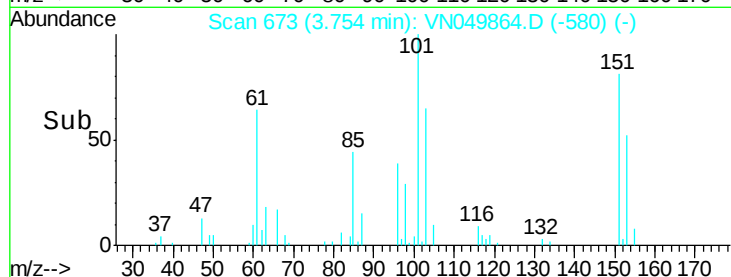
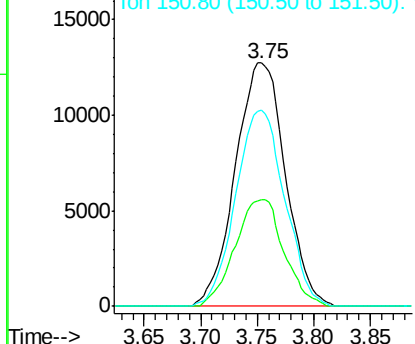
Tot Ion	Ratio	Resp	Lower	Upper
101	100	39179		
85	42.9		34.4	51.6
151	79.1		66.2	99.4

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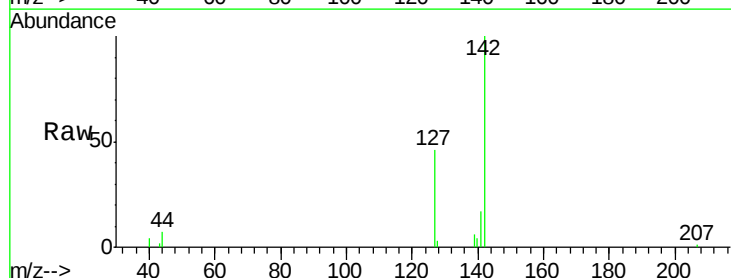


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V

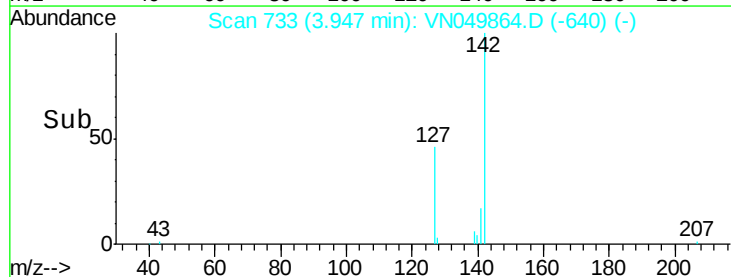
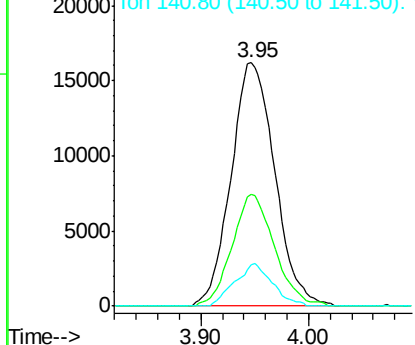


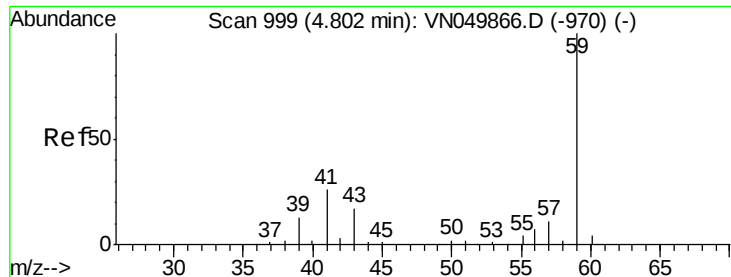
#10
Methyl Iodide
Concen: 5.74 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	45742		
127	44.4		32.5	48.7
141	15.1		11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





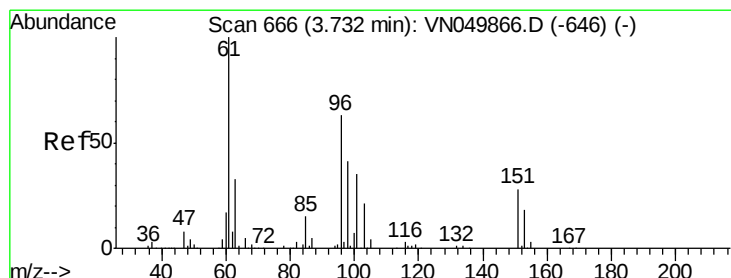
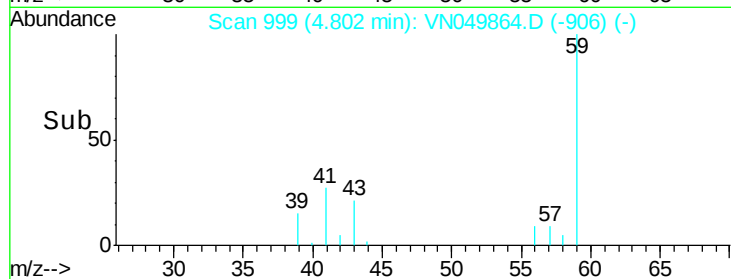
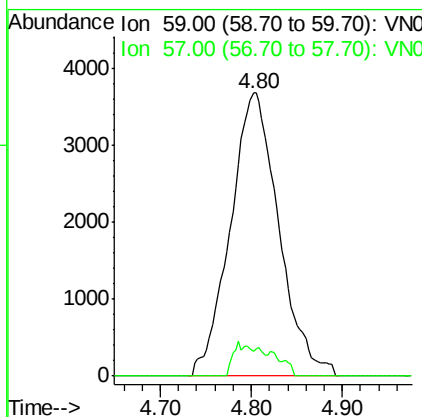
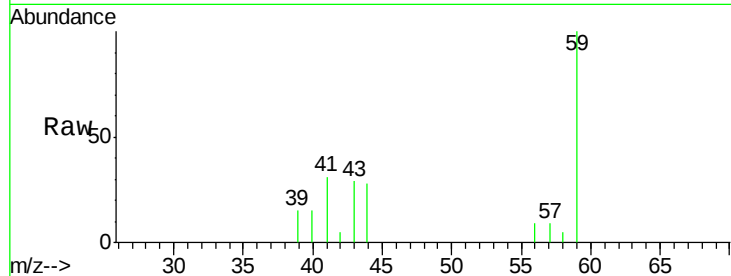
#11
Tert butyl alcohol
Concen: 23.28 ug/l
RT: 4.80 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.5	12.7#

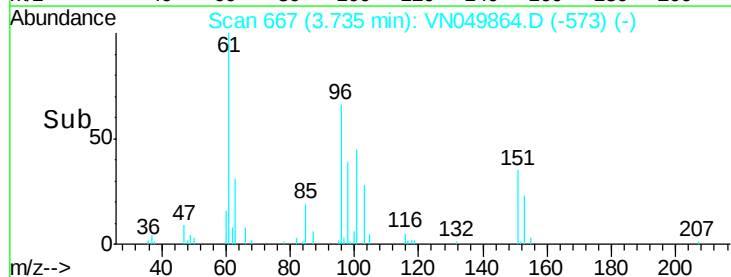
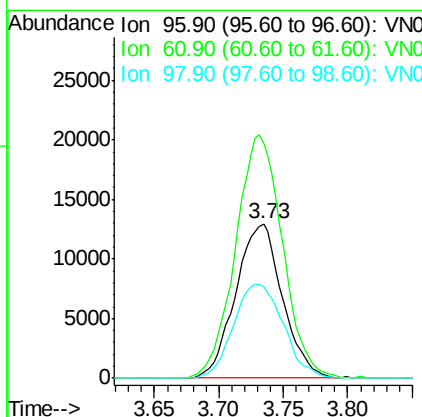
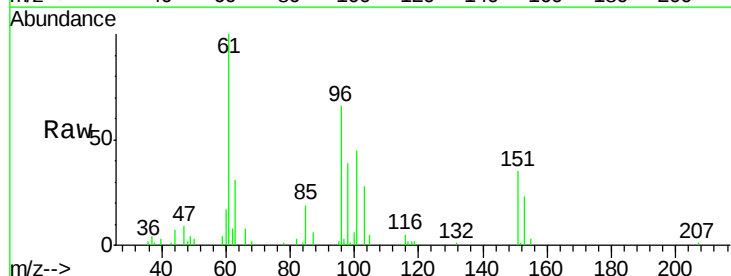
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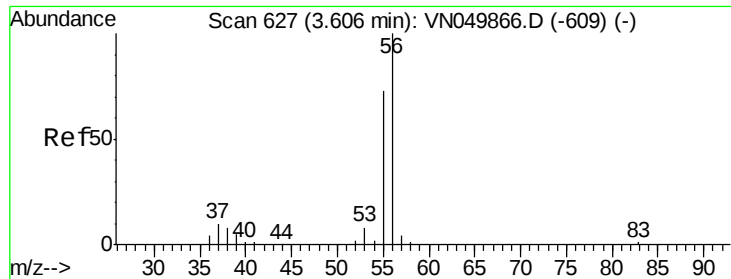
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.67 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	126.5	189.7
98	58.8	51.0	76.6





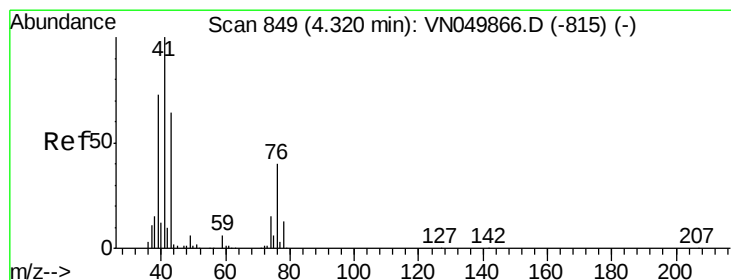
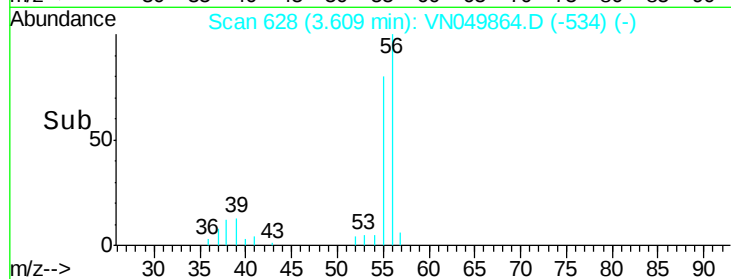
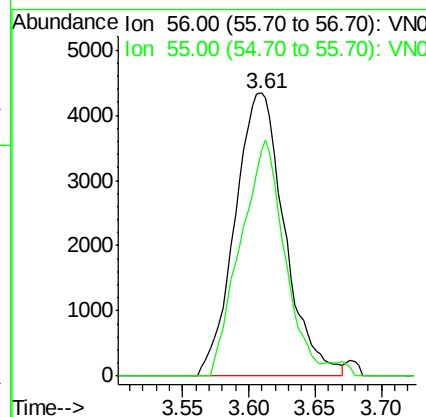
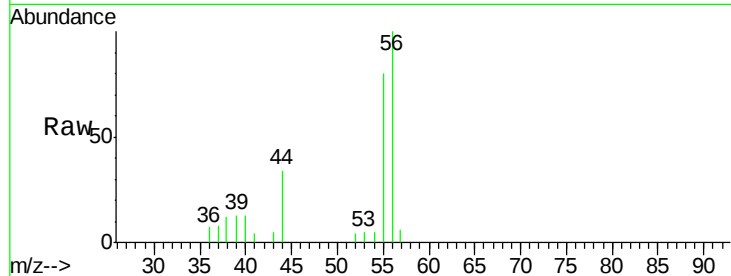
#13
 Acrolein
 Concen: 24.87 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	56	Resp	11311
Ion Ratio	100	Lower	Upper
56	100		
55	73.5	55.8	83.8

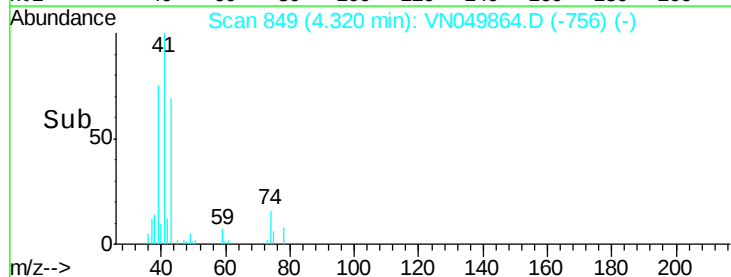
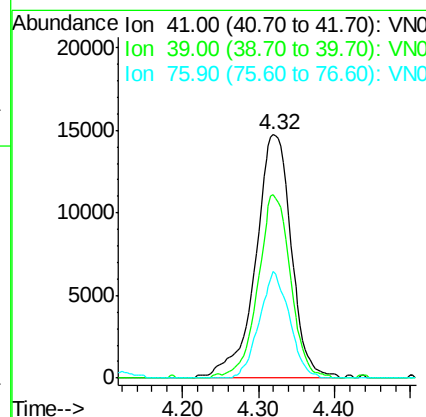
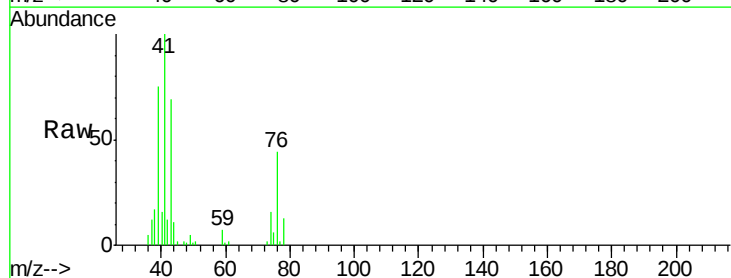
Manual Integrations
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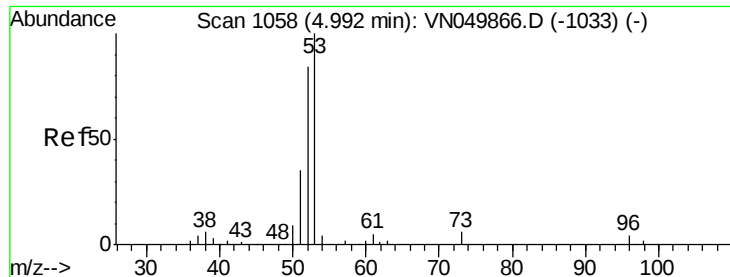
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#14
 Allyl chloride
 Concen: 5.26 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	41	Resp	48069
Ion Ratio	100	Lower	Upper
41	100		
39	68.2	53.2	79.8
76	36.6	29.0	43.6





#15

Acrylonitrile

Concen: 24.04 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

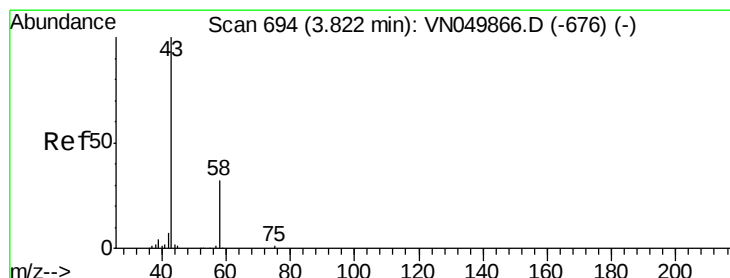
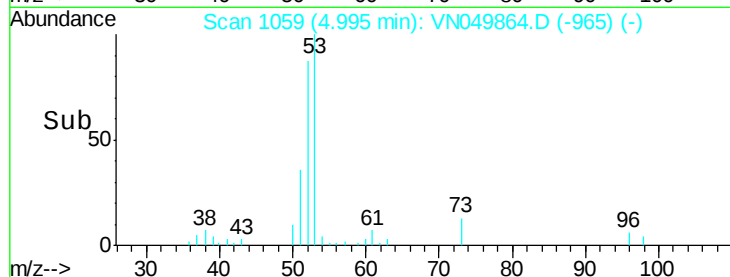
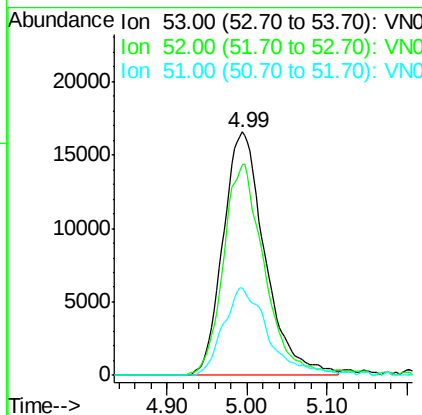
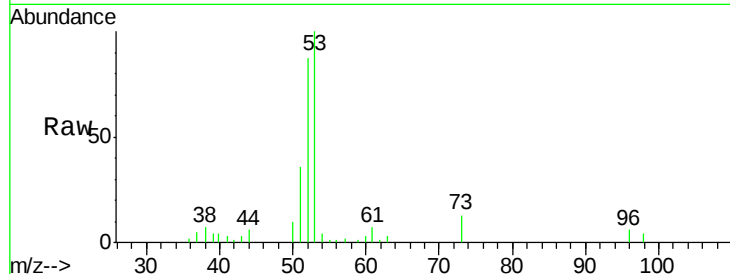
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	59324
Ion	Ratio	Lower	Upper
53	100		
52	84.3	64.8	97.2
51	38.2	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 23.38 ug/l

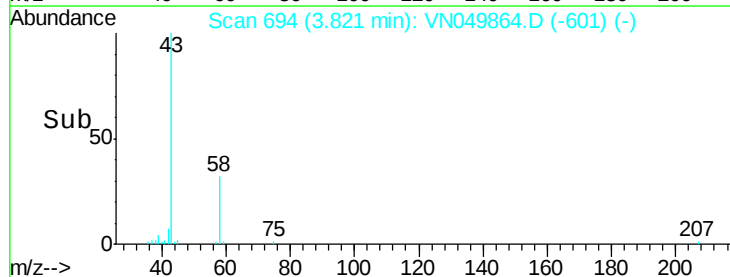
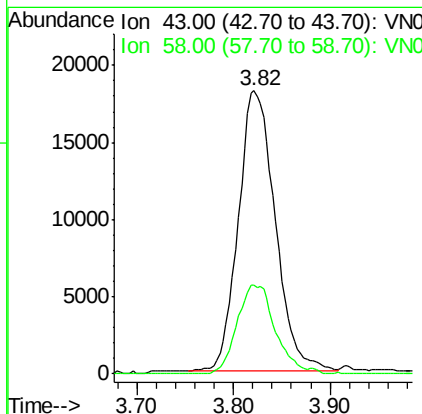
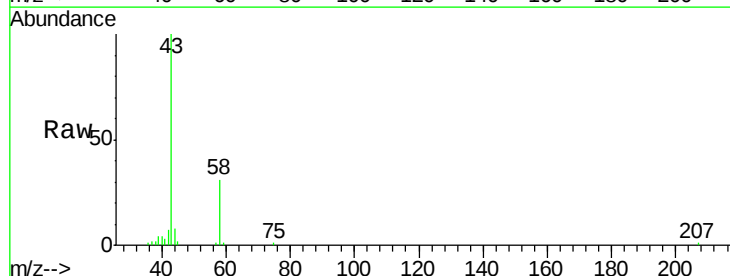
RT: 3.82 min Scan# 694

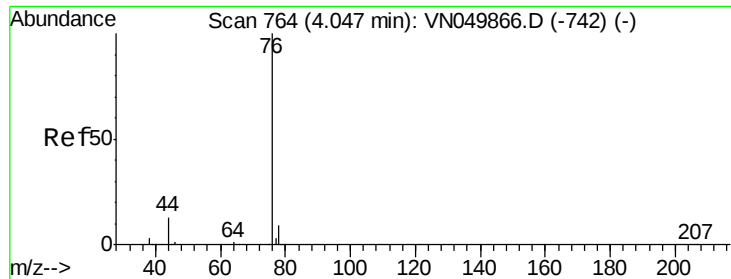
Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Tgt Ion:	43	Resp:	48093
Ion	Ratio	Lower	Upper
43	100		
58	31.6	25.9	38.9





#17

Carbon Disulfide

Concen: 5.66 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 99017

Ion Ratio Lower Upper

76 100

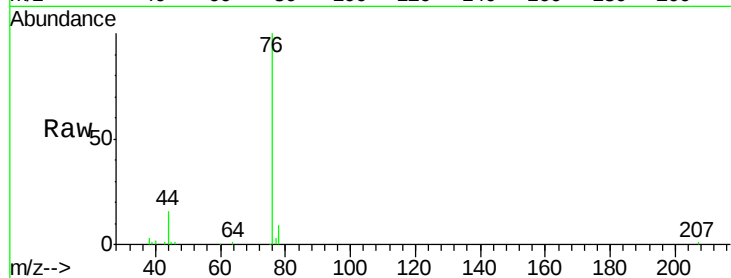
78 8.7 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN049866.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN049866.D (-742) (-)

40000

30000

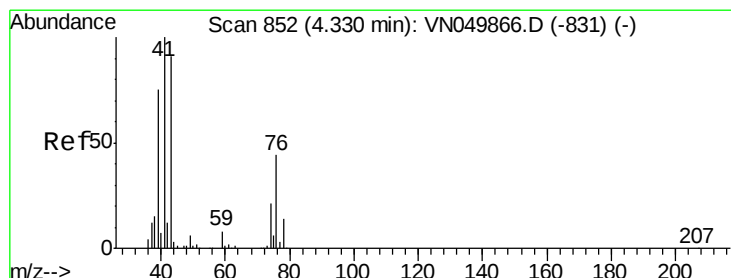
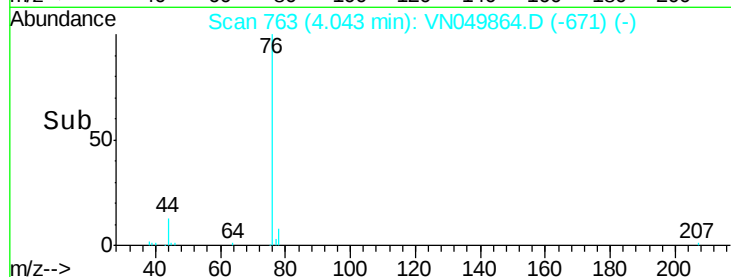
20000

10000

0

3.95 4.00 4.05 4.10 4.15

Time-->



#18

Methyl Acetate

Concen: 4.58 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN049864.D

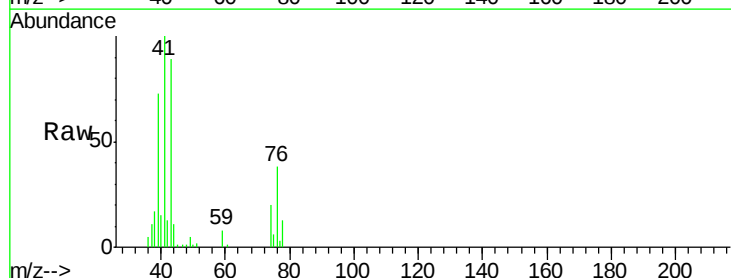
Acq: 18 Jul 2018 10:43

Tgt Ion: 43 Resp: 35272

Ion Ratio Lower Upper

43 100

74 24.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-831) (-)

Ion 74.00 (73.70 to 74.70): VN049866.D (-831) (-)

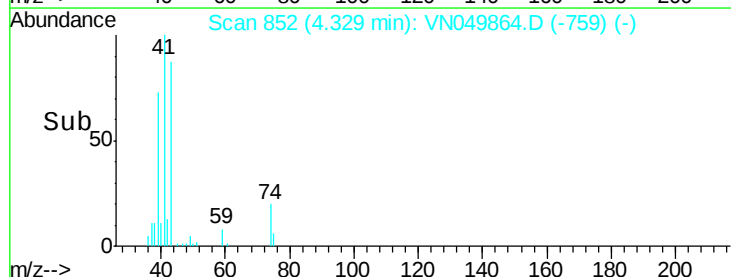
10000

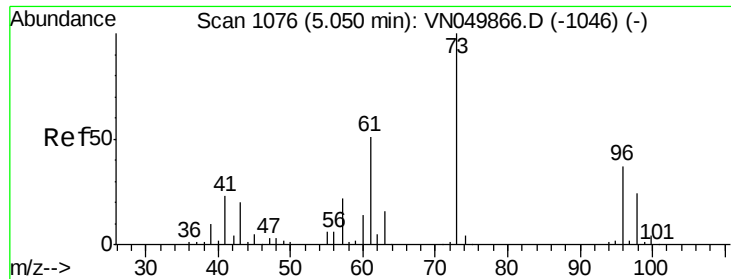
5000

0

4.25 4.30 4.35 4.40

Time-->





#19

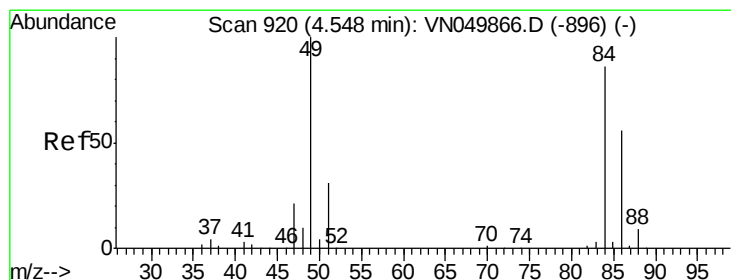
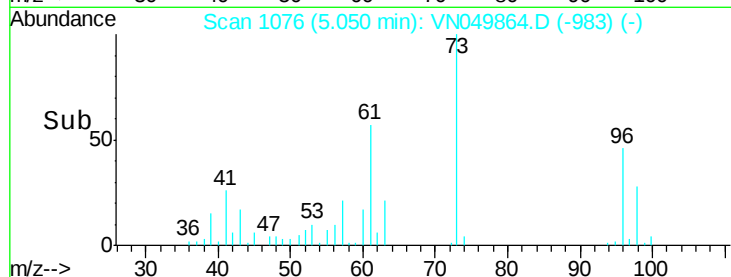
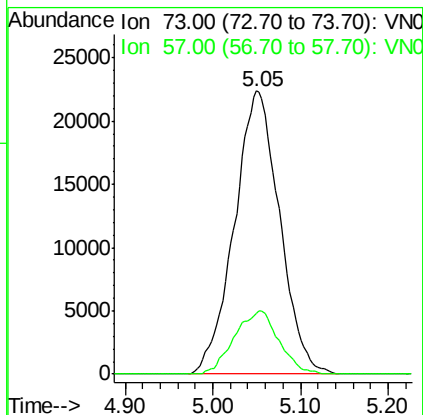
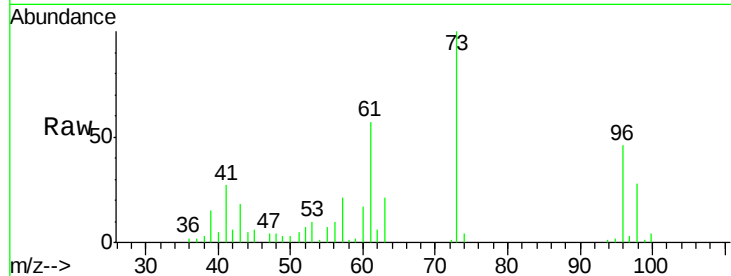
Methyl tert-butyl Ether
 Concen: 5.01 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 73 Resp: 80417
 Ion Ratio Lower Upper
 73 100
 57 21.4 18.1 27.1

Manual Integrations
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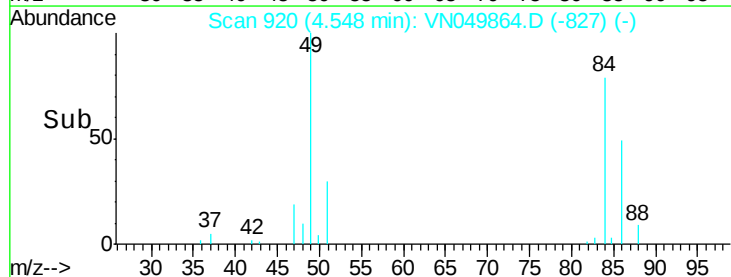
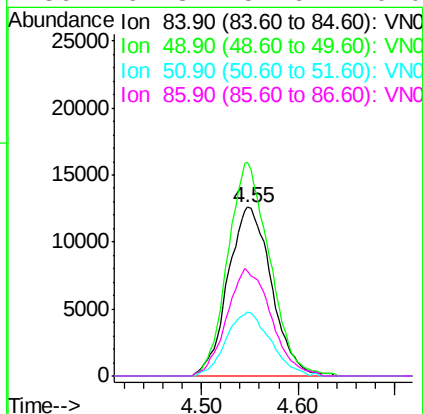
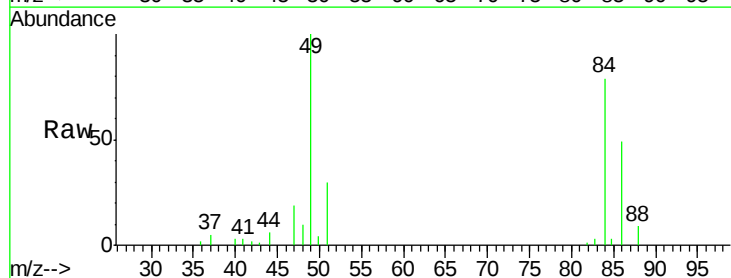
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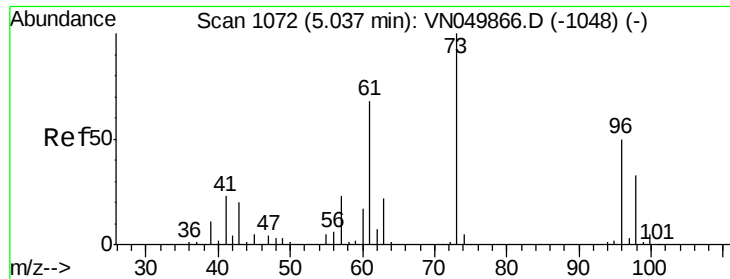


#20

Methylene Chloride
 Concen: 5.57 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion: 84 Resp: 39467
 Ion Ratio Lower Upper
 84 100
 49 126.7 95.4 143.2
 51 37.7 28.4 42.6
 86 62.3 52.6 79.0





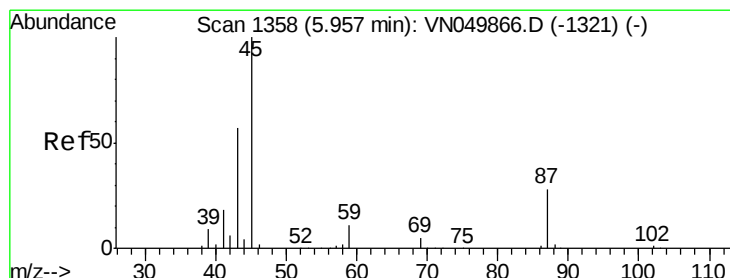
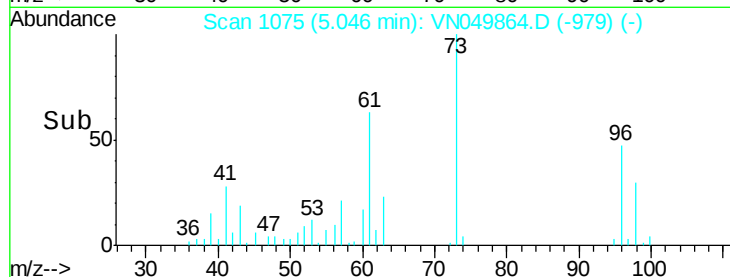
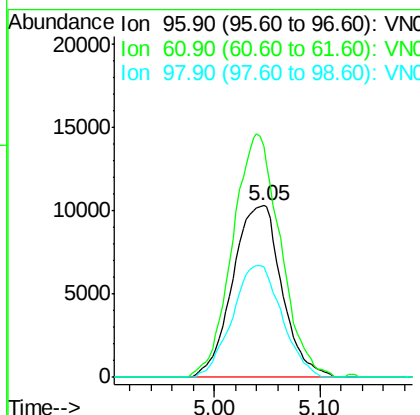
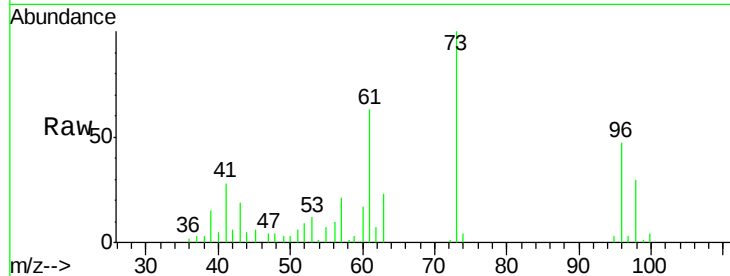
#21
trans-1,2-Dichloroethene
Concen: 5.50 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	109.0	163.6
98	64.4	51.1	76.7

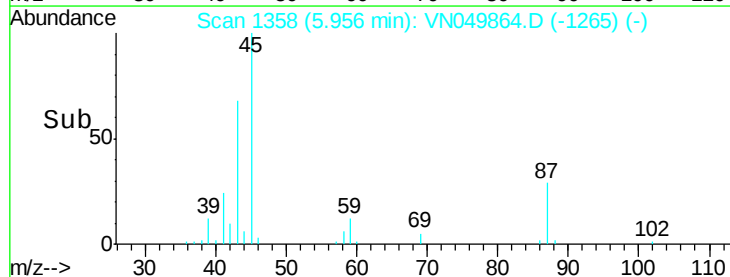
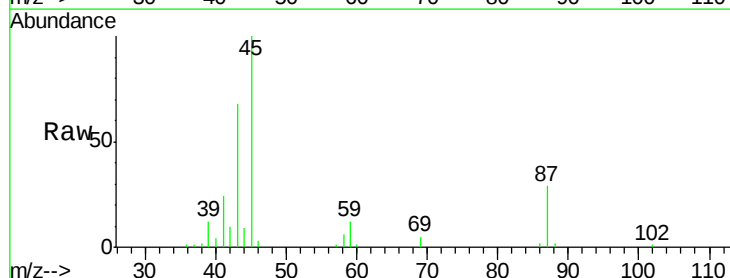
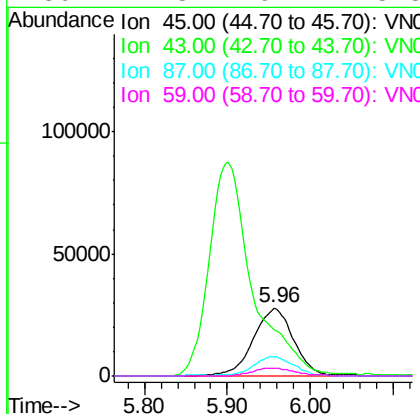
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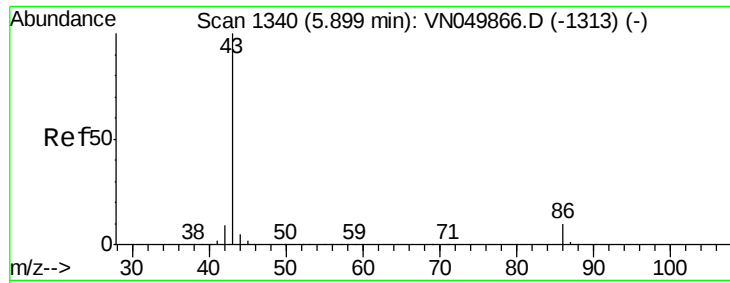
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#22
Diisopropyl ether
Concen: 5.15 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	48.1	72.1
87	28.9	22.6	34.0
59	11.8	9.2	13.8





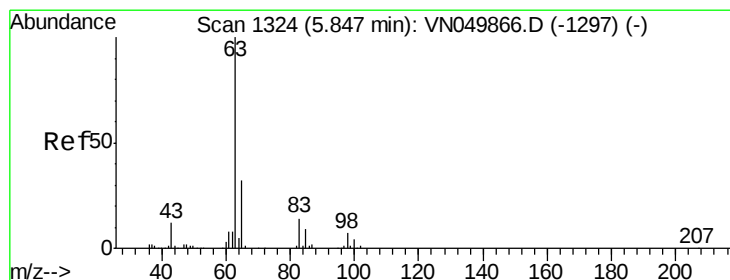
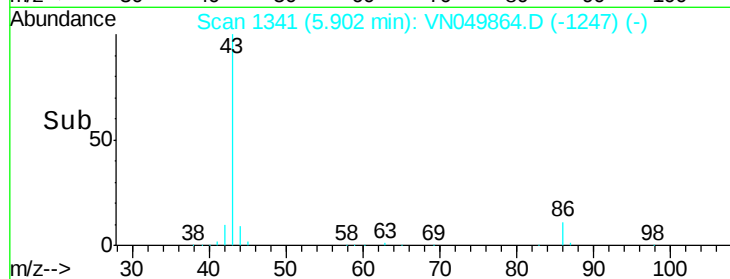
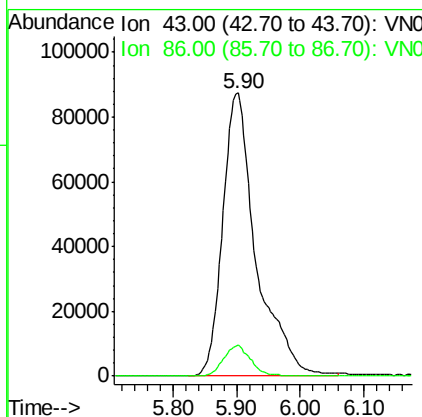
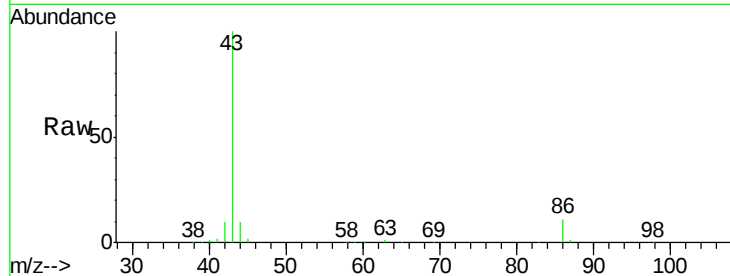
#23
 Vinyl Acetate
 Concen: 23.82 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tot Ion	43	Resp	319826
Ion Ratio	100	Lower	Upper
43	100		
86	10.8	8.4	12.6

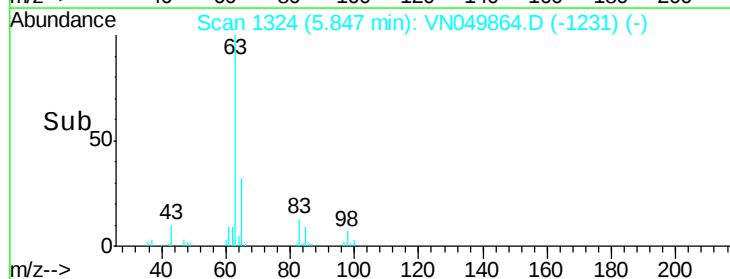
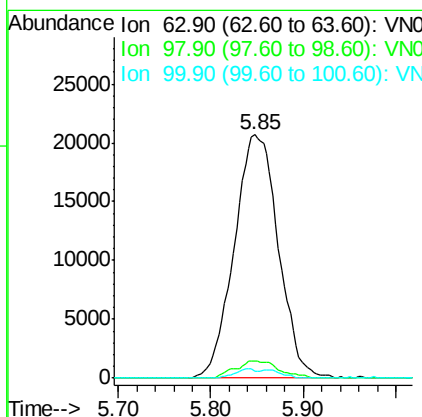
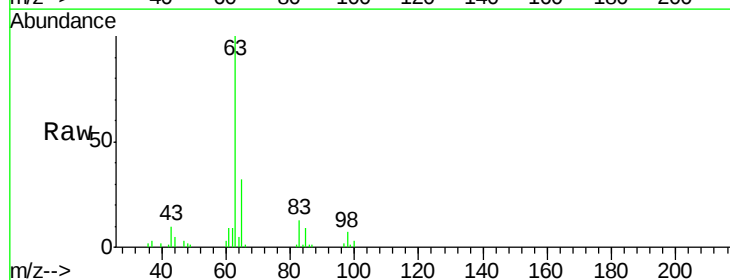
Manual Integrations
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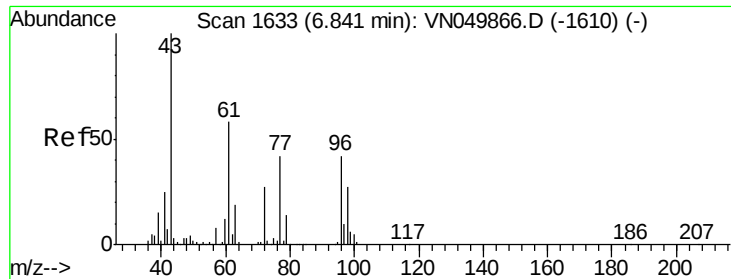
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#24
 1,1-Dichloroethane
 Concen: 5.83 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	63	Resp	68233
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.4	10.2
100	3.0	2.2	6.6





#25

2-Butanone

Concen: 22.31 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 67833

Ion Ratio Lower Upper

43 100

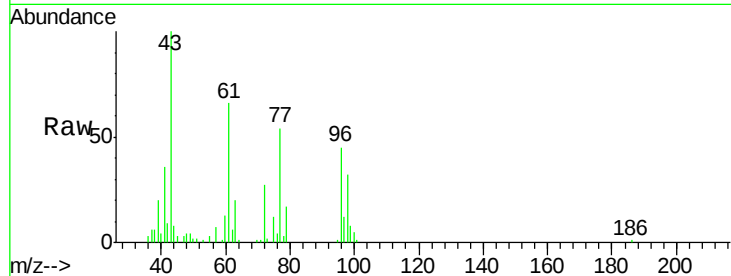
72 26.7 22.1 33.1

Manual Integrations

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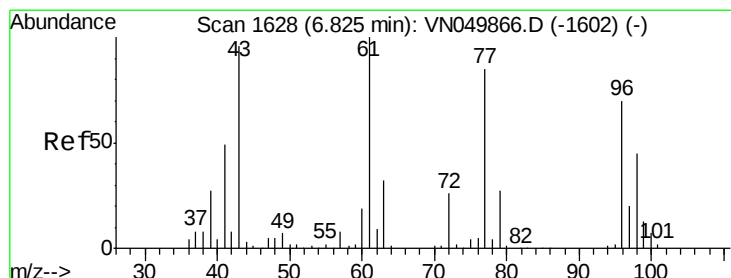
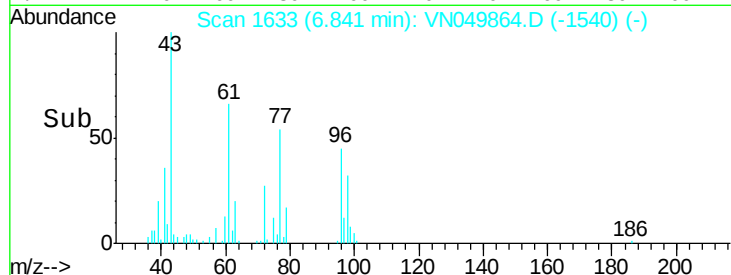
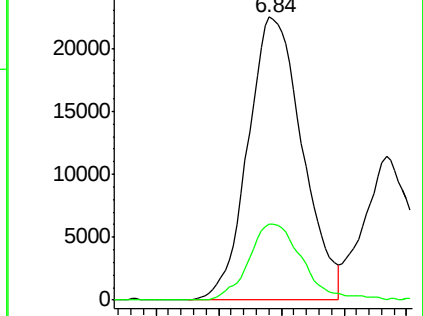
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 5.74 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049864.D

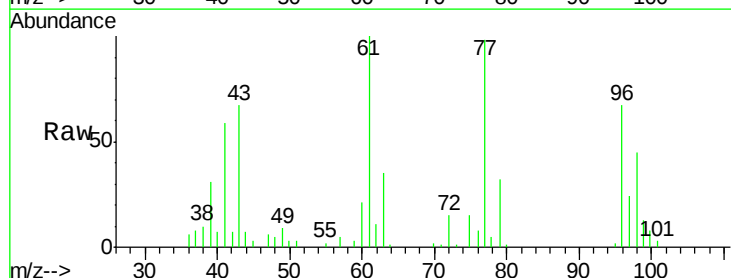
Acq: 18 Jul 2018 10:43

Tgt Ion: 77 Resp: 51180

Ion Ratio Lower Upper

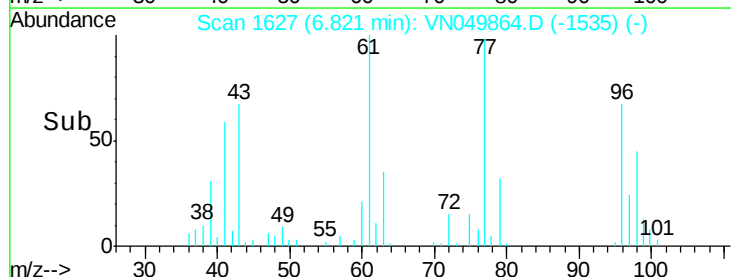
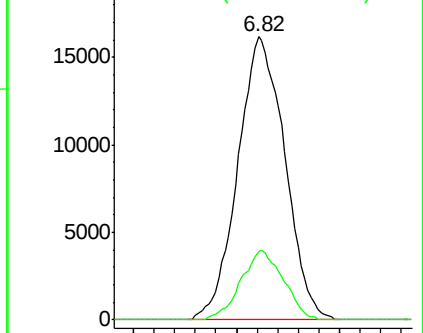
77 100

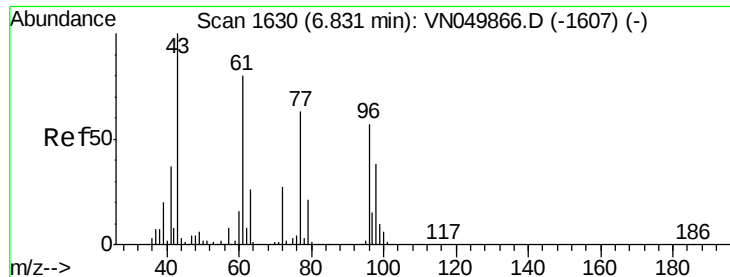
97 22.3 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.28 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

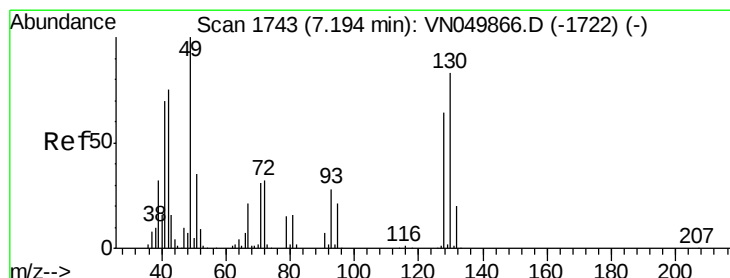
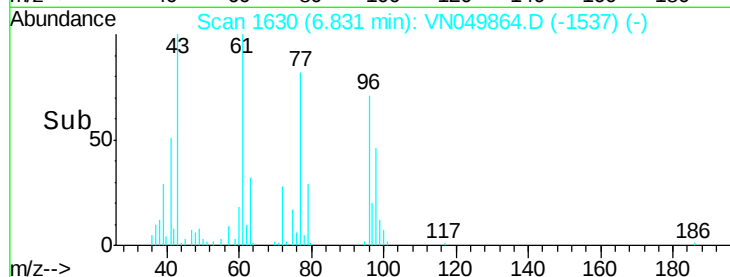
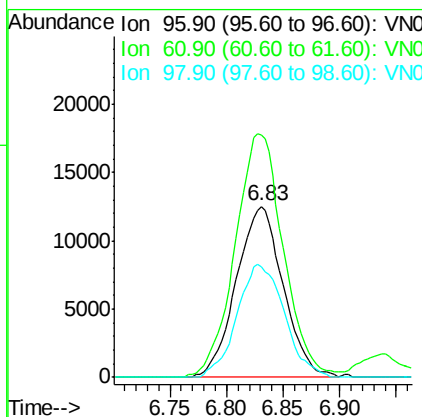
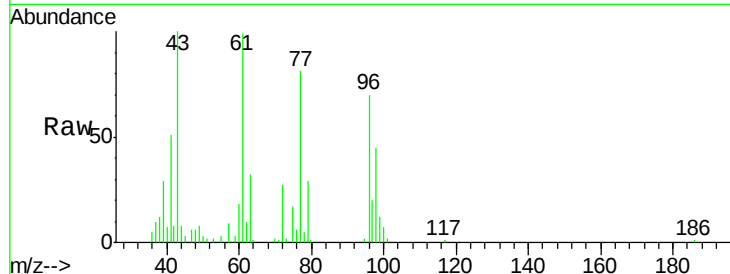
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	36005
Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	289.0
98	66.7	0.0	130.2

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#28

Bromochloromethane

Concen: 5.25 ug/l

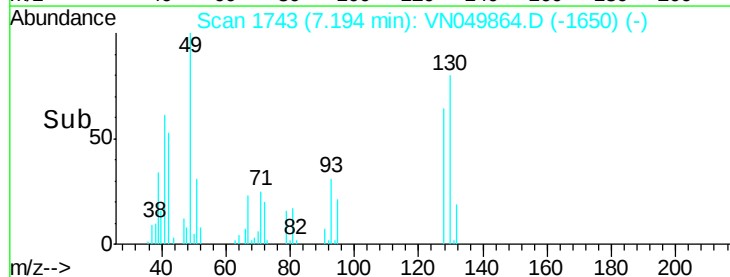
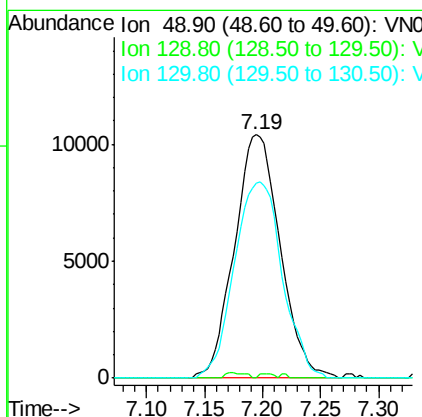
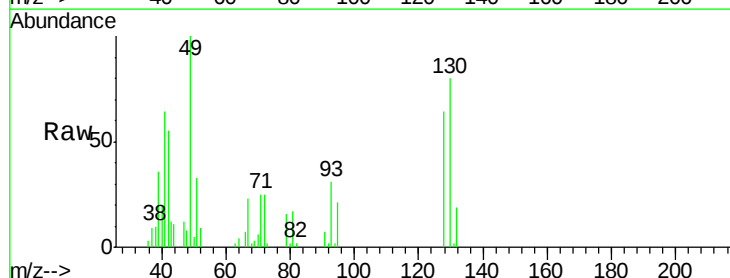
RT: 7.19 min Scan# 1743

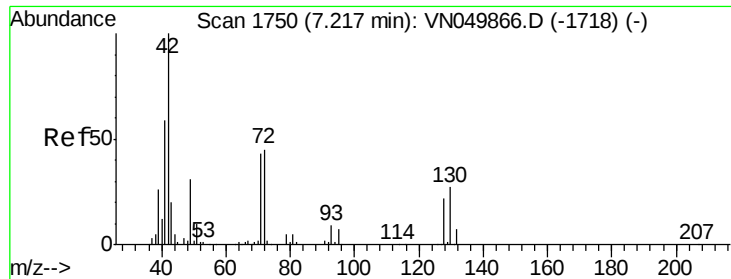
Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Tgt Ion:	49	Resp:	28521
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.2
130	84.4	65.5	98.3





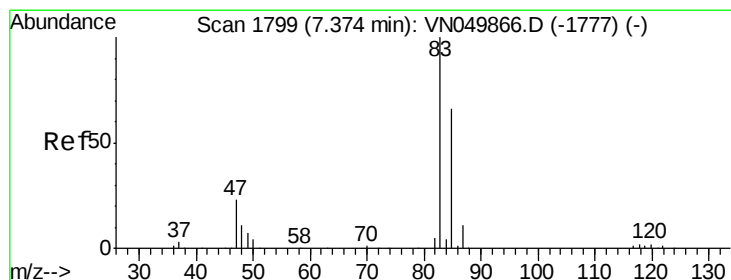
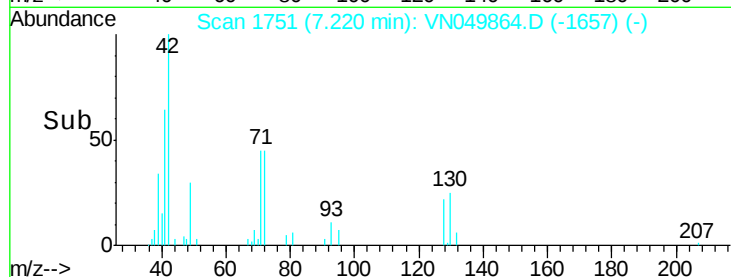
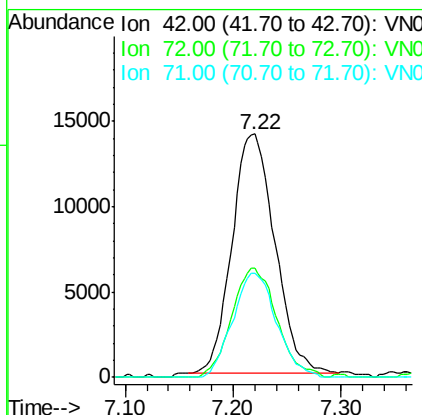
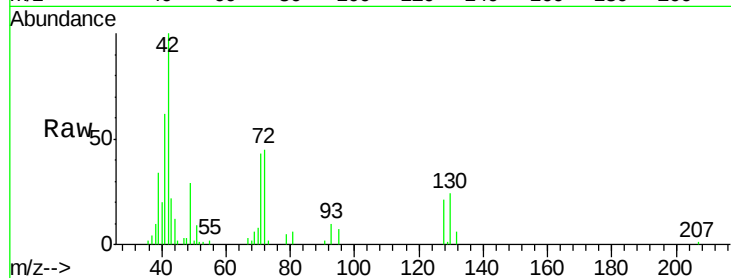
#29
Tetrahydrofuran
Concen: 20.24 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	35.6	53.4
71	44.0	34.0	51.0

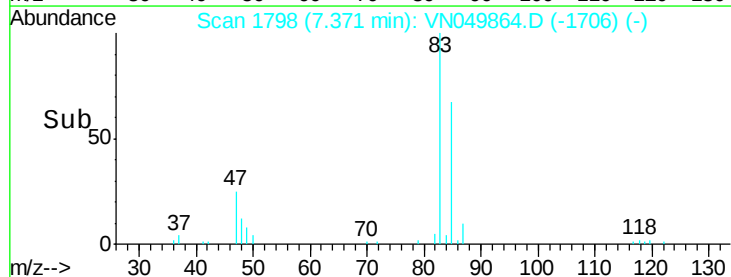
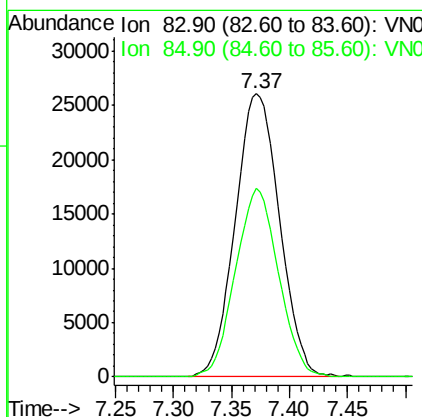
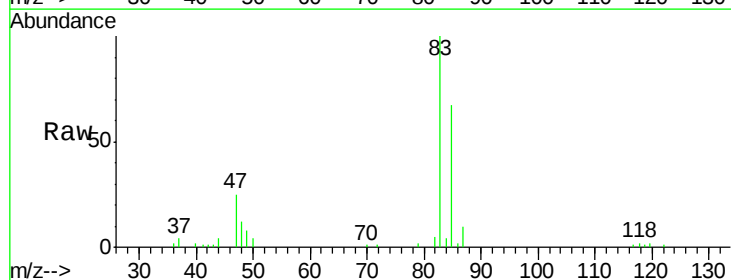
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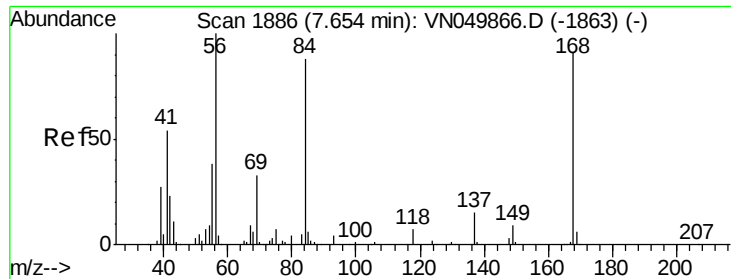
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#30
Chloroform
Concen: 5.75 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.2





#31

Cyclohexane

Concen: 5.04 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 56099

Ion Ratio Lower Upper

56 100

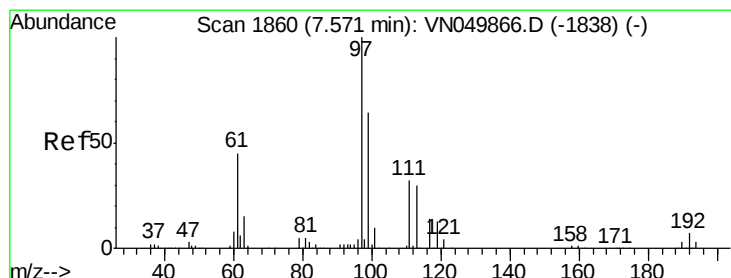
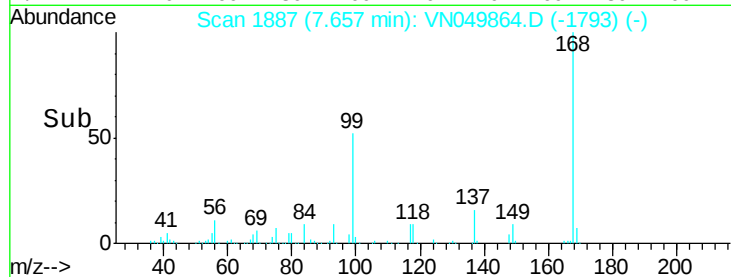
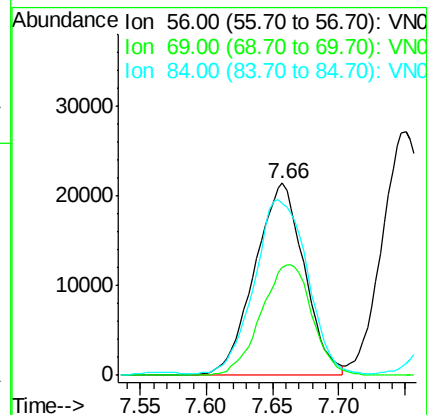
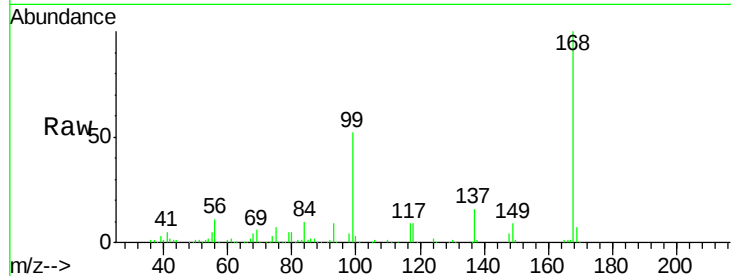
69 56.5 26.6 40.0#

84 88.6 69.0 103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 5.74 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

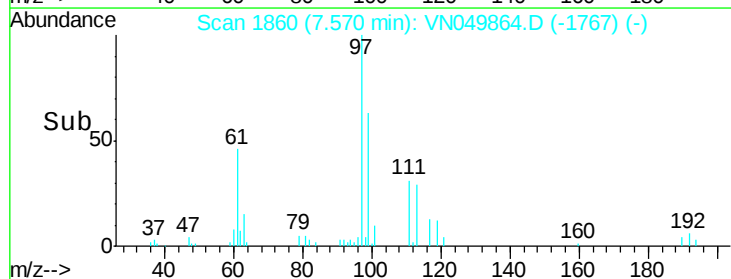
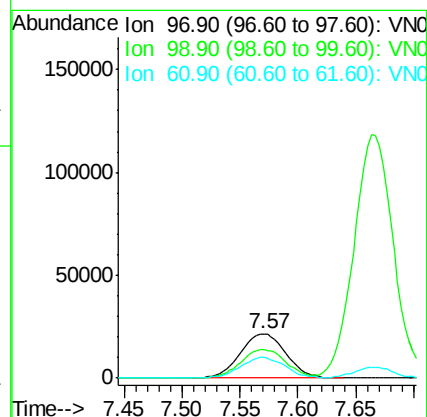
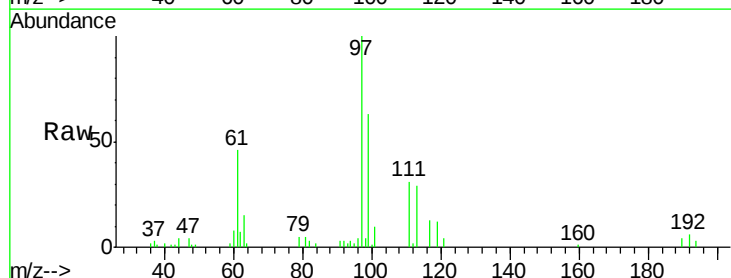
Tgt Ion: 97 Resp: 58945

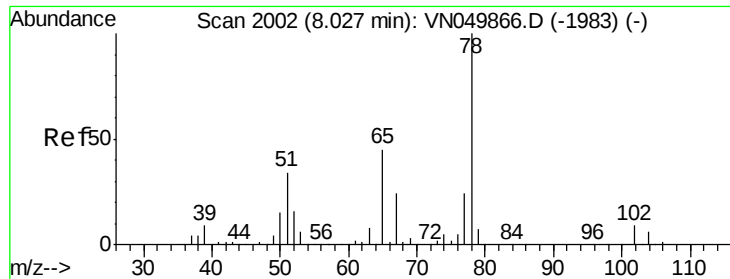
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 45.9 35.5 53.3





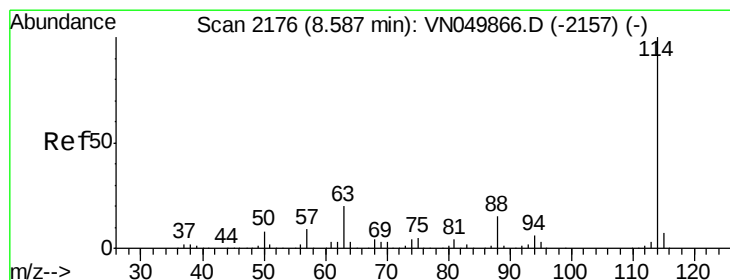
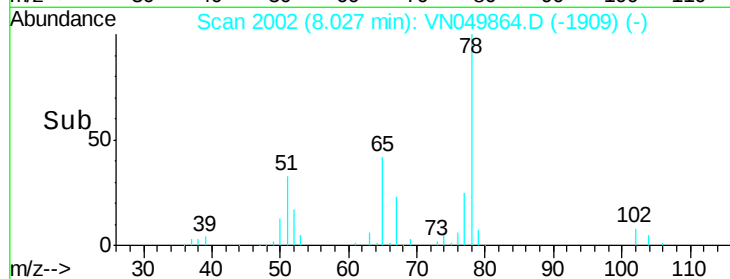
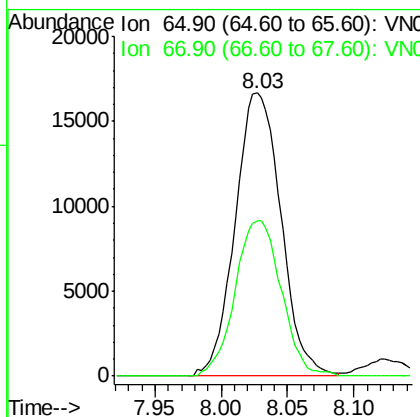
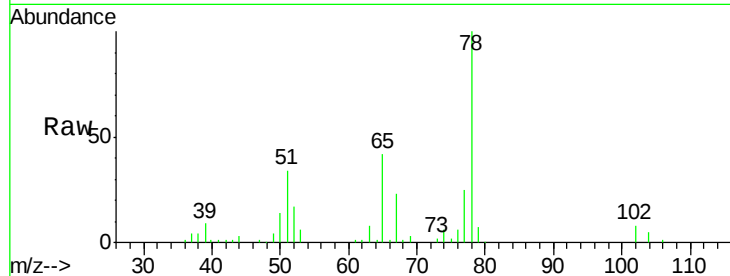
#33
 1,2-Dichloroethane-d4
 Concen: 5.43 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	40103		
67	55.3	0.0	107.2	

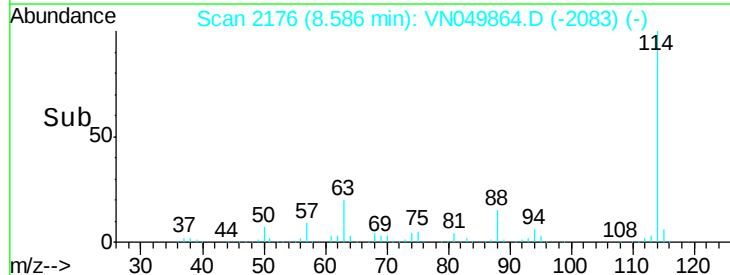
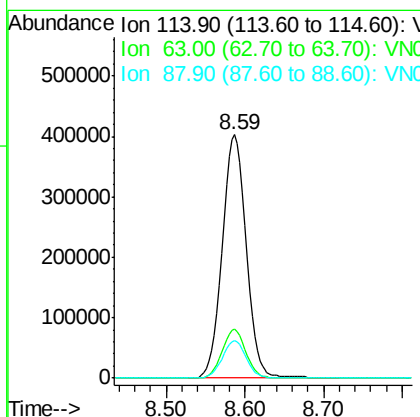
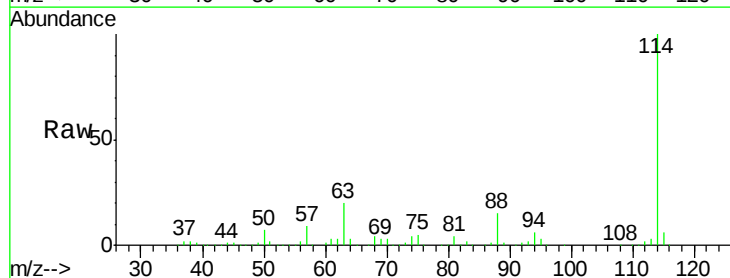
Manual Integrations
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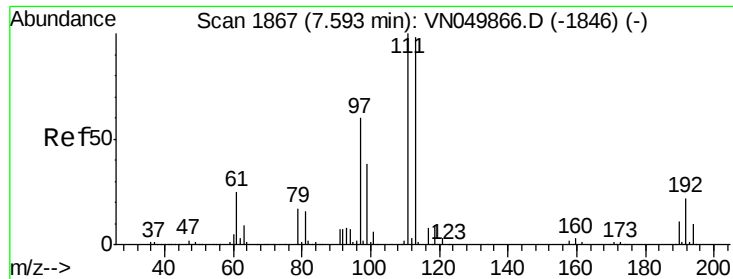
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	845004		
63	19.9	0.0	39.8	
88	15.4	0.0	30.6	





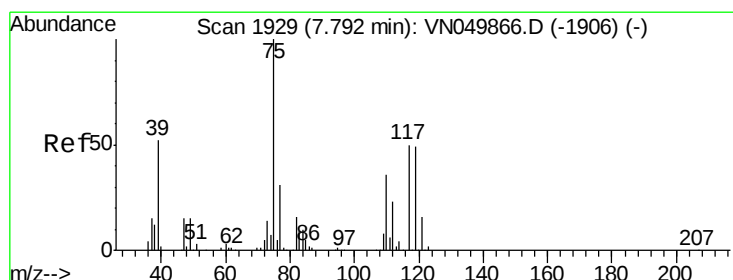
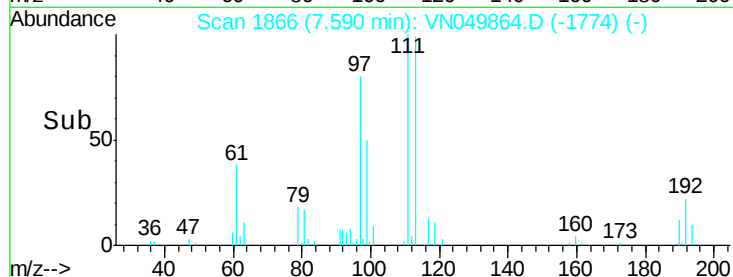
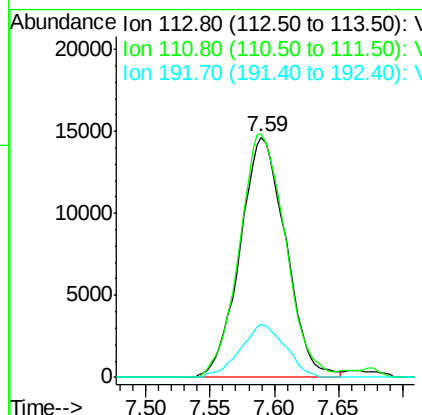
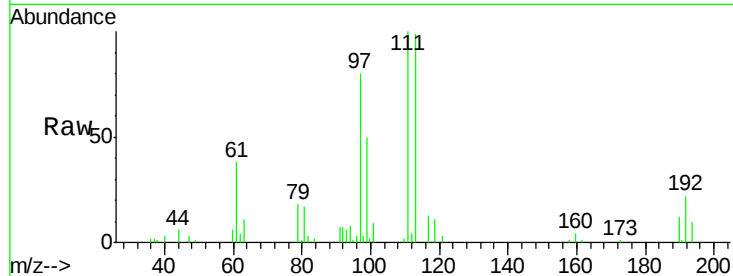
#35
Dibromofluoromethane
Concen: 5.41 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	36261		
111	102.1	81.8	122.8	
192	21.6	17.8	26.6	

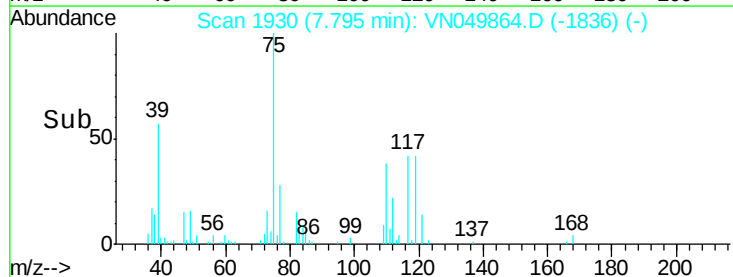
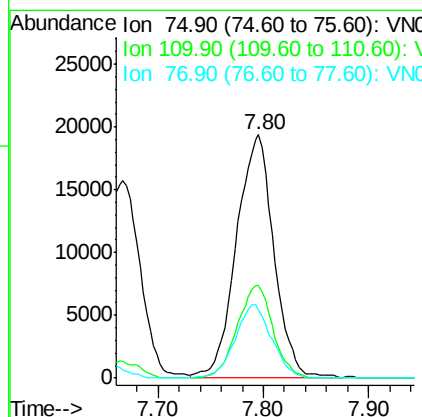
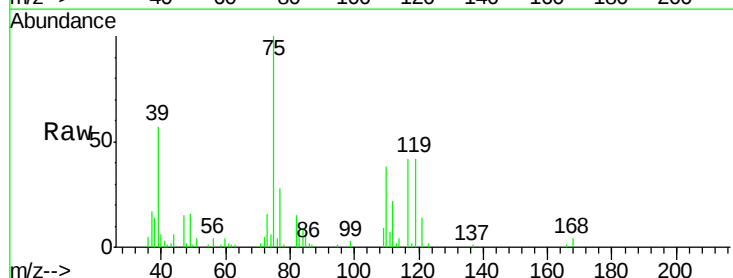
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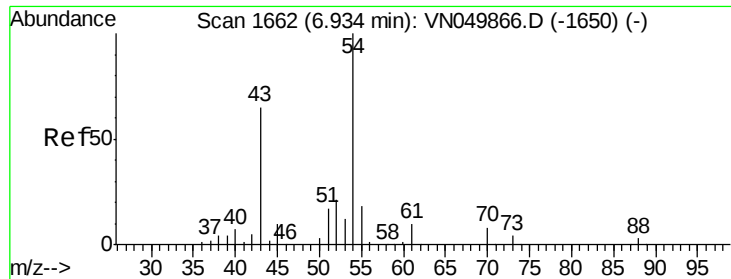
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#36
1,1-Dichloropropene
Concen: 5.36 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	47929		
110	36.2	18.1	54.4	
77	29.2	24.9	37.3	





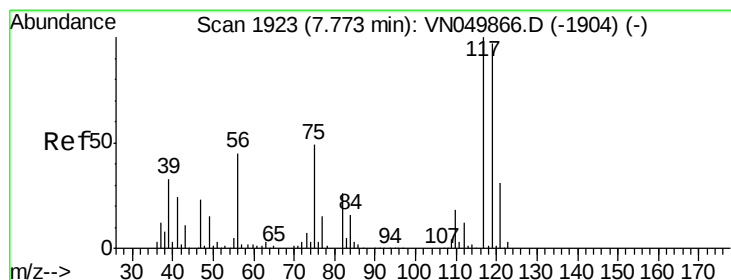
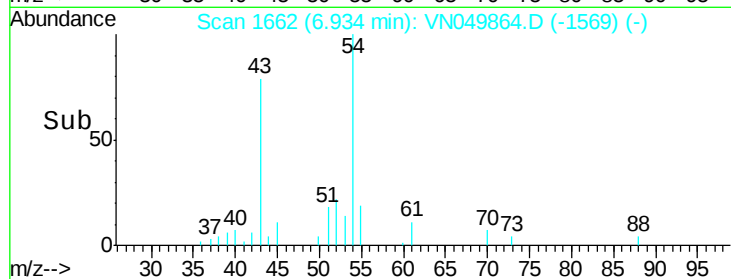
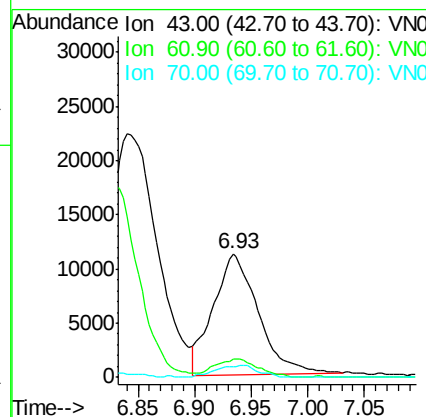
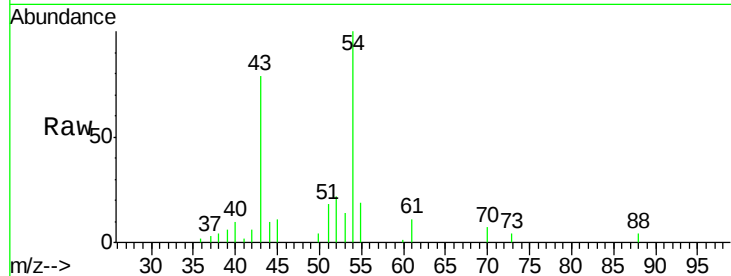
#37
Ethyl Acetate
Concen: 4.58 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.7	17.5
70	9.4	8.4	12.6

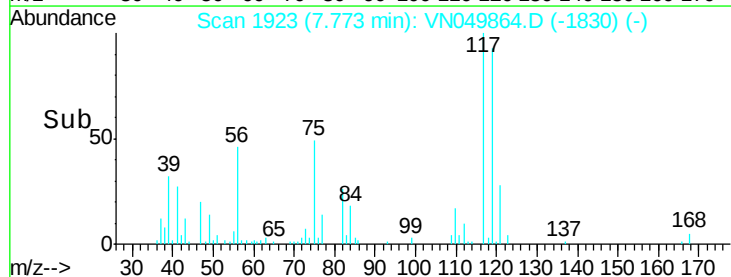
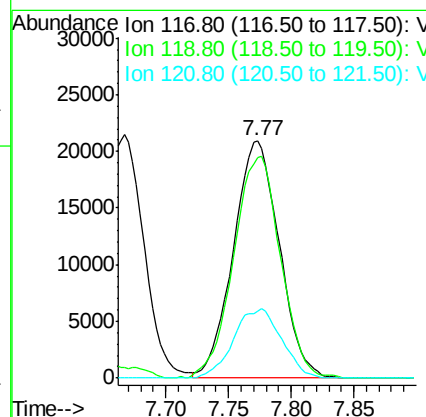
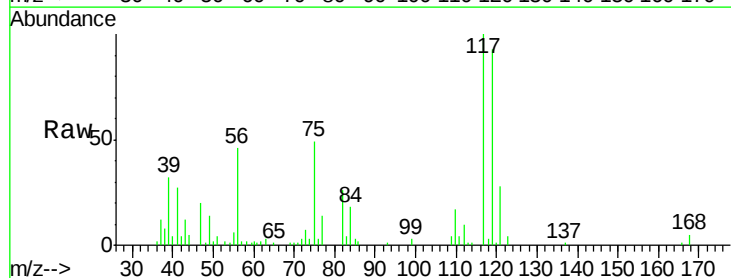
Manual Integrations
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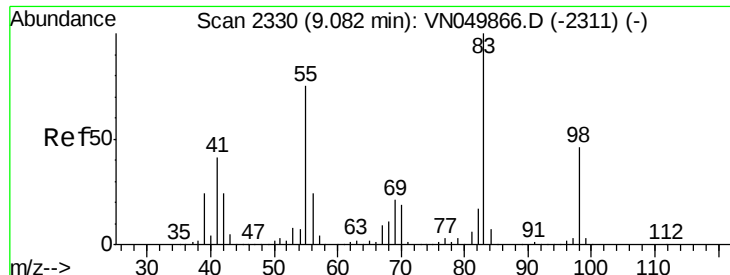
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#38
Carbon Tetrachloride
Concen: 5.66 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.2	115.8
121	28.4	25.0	37.6





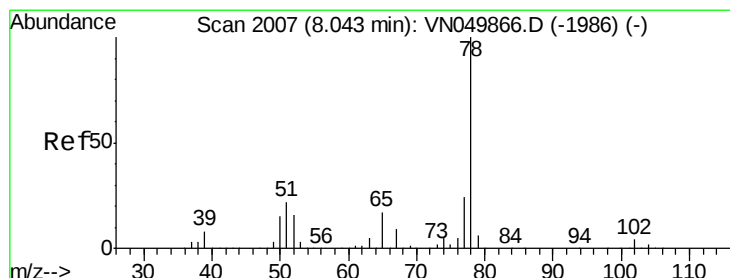
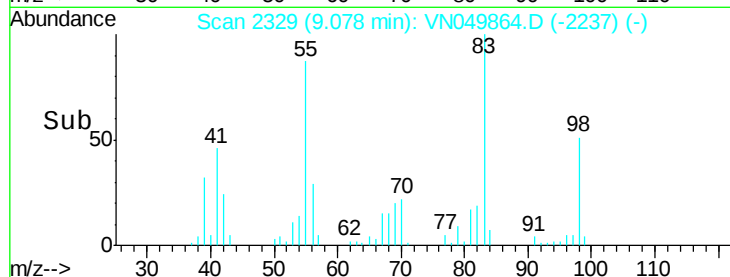
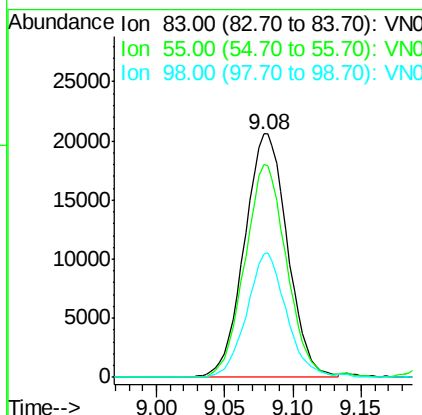
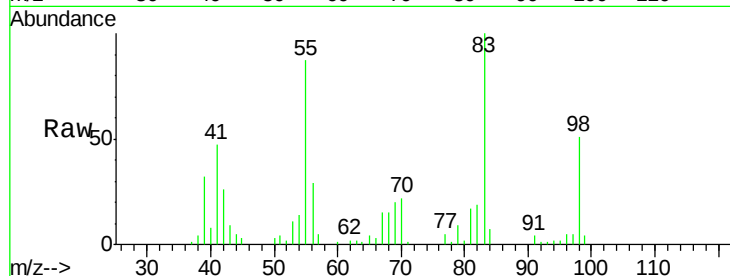
#39
Methvlcvclohexane
Concen: 4.89 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.5	59.7	89.5
98	50.5	36.5	54.7

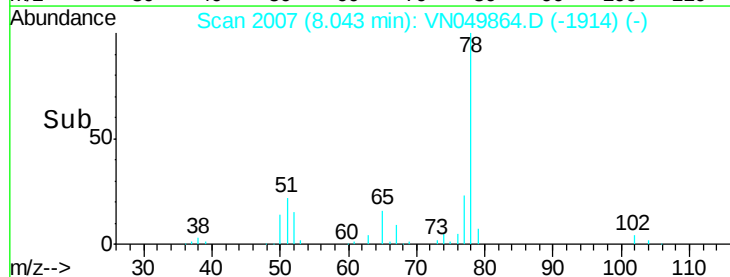
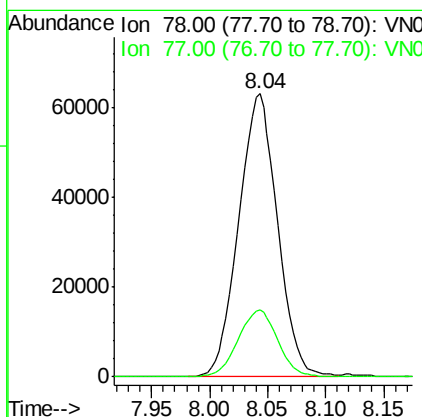
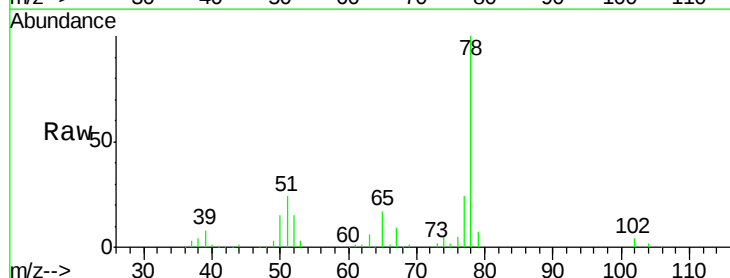
Manual Integrations
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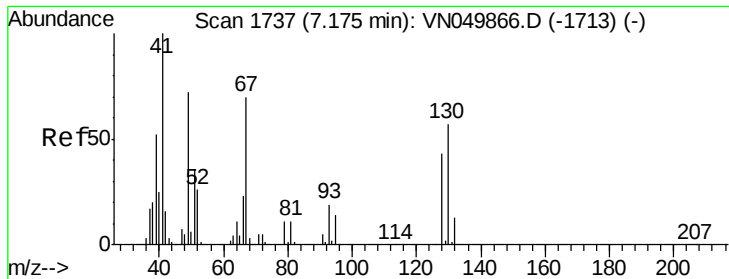
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#40
Benzene
Concen: 5.42 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





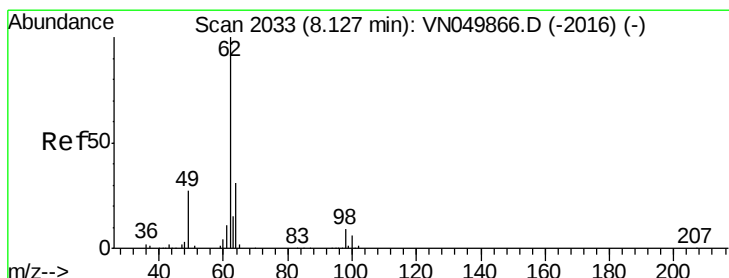
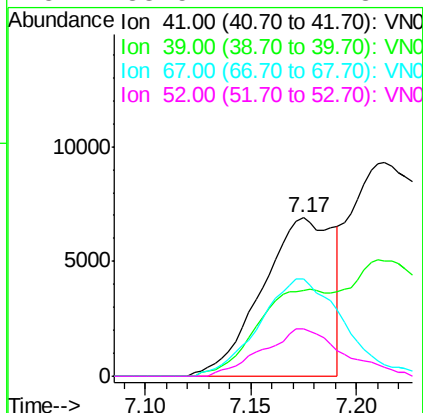
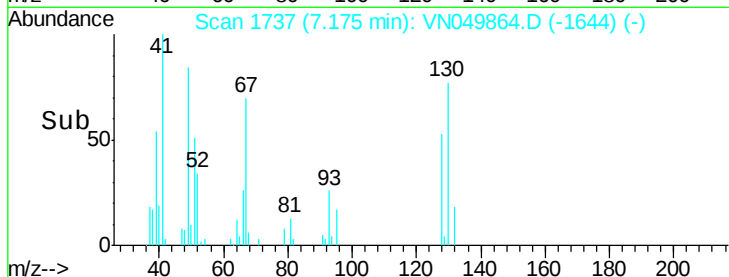
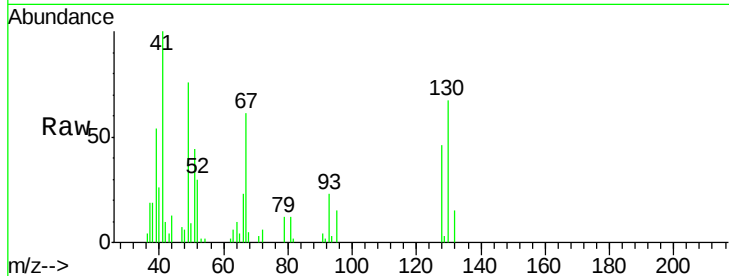
#41
Methacrylonitrile
Concen: 4.75 ug/l m
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	45.4	68.2
67	72.6	65.4	98.0
52	33.5	24.7	37.1

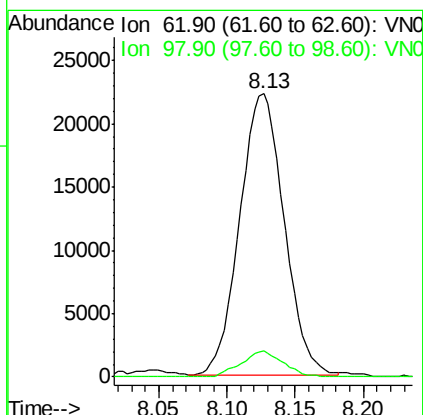
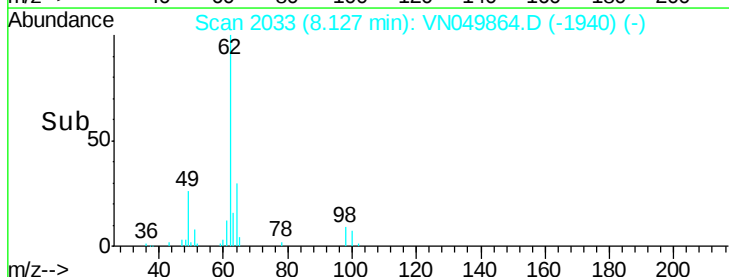
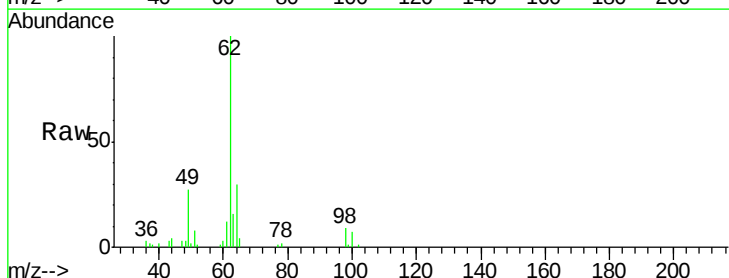
Manual Integrations
APPROVED

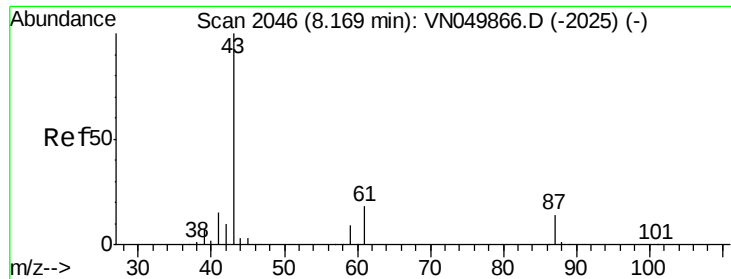
MMDadoda
7/19/2018 4:28:52 PM



#42
1,2-Dichloroethane
Concen: 5.43 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	19.0





#43

Isopropyl Acetate

Concen: 5.11 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

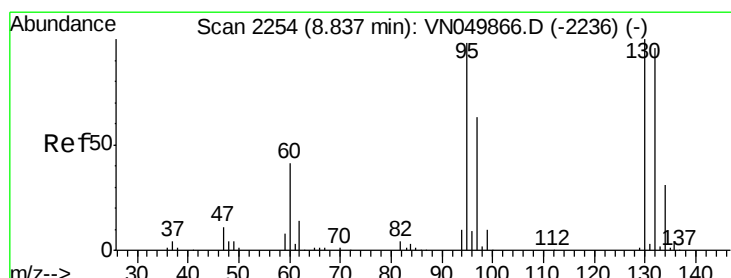
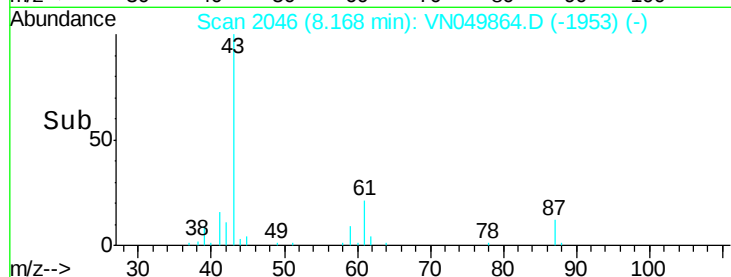
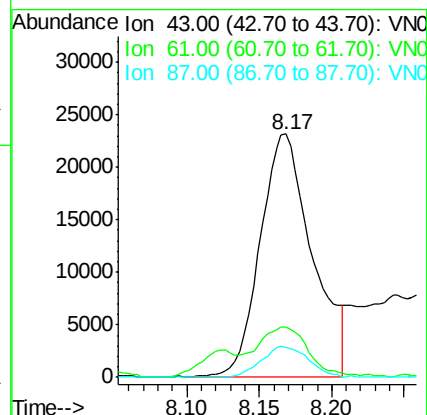
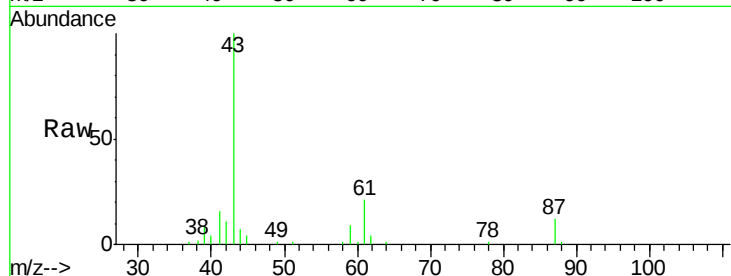
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	58009
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	11.5	10.0	15.0

Manual Integrations
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MMDadoda
7/19/2018 4:28:52 PM



#44

Trichloroethene

Concen: 5.47 ug/l

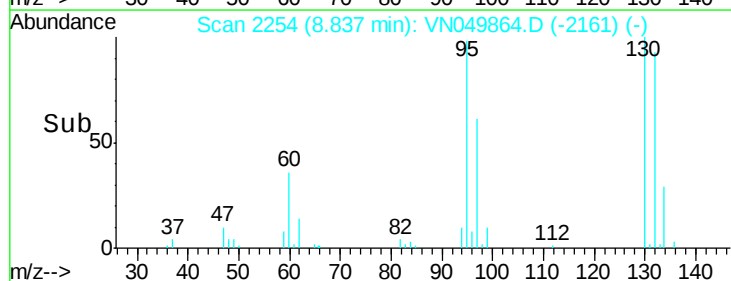
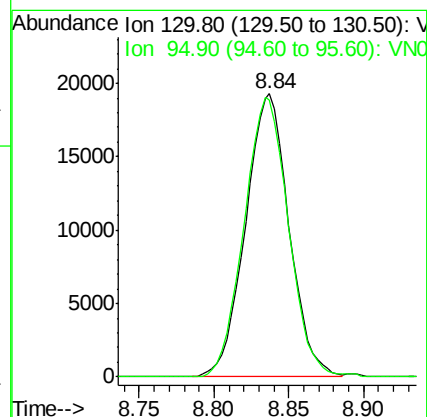
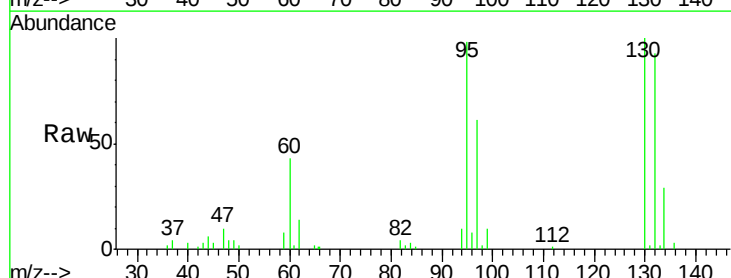
RT: 8.84 min Scan# 2254

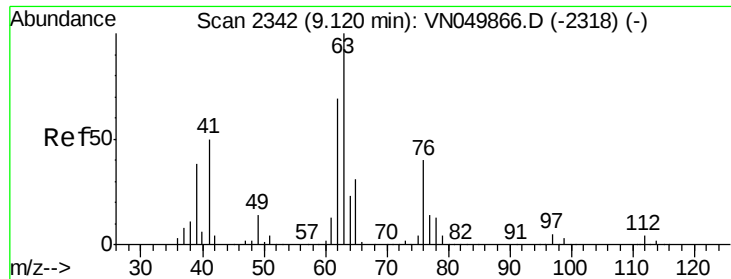
Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Tgt Ion:	130	Resp:	38984
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	192.8





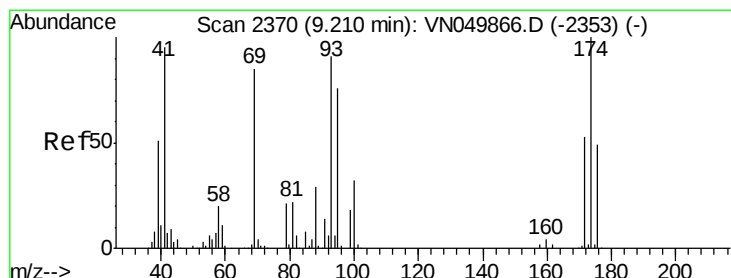
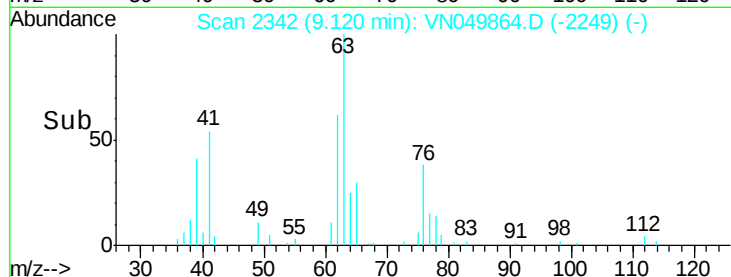
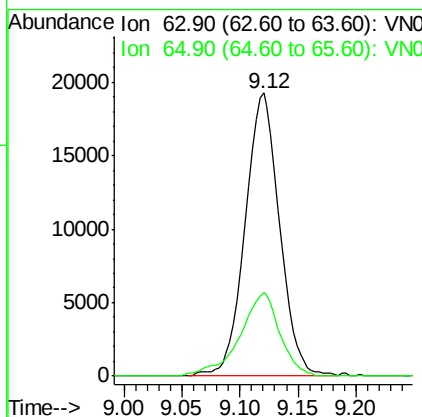
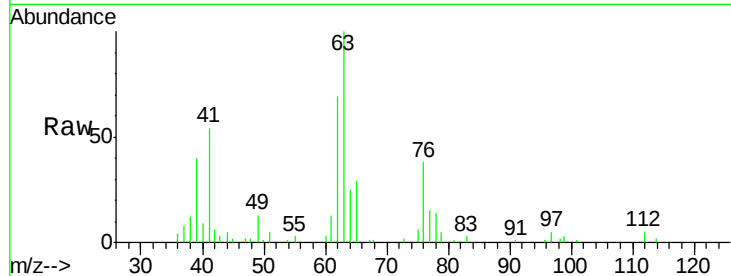
#45
 1,2-Dichloropropane
 Concen: 5.55 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 40041
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.7 37.1

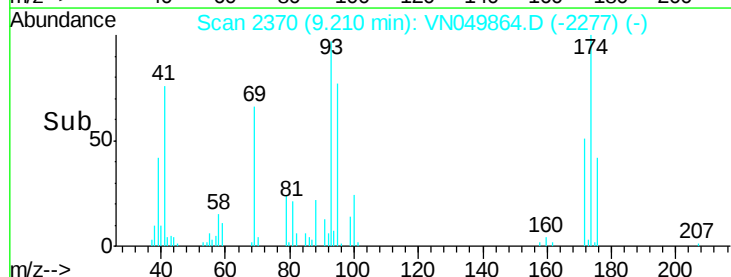
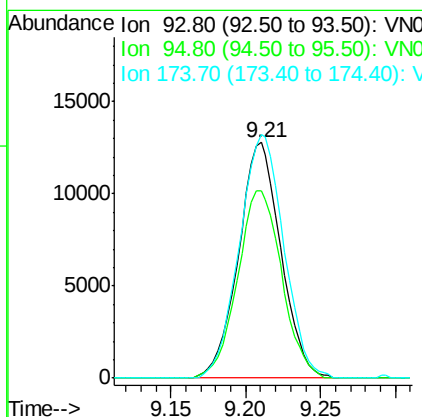
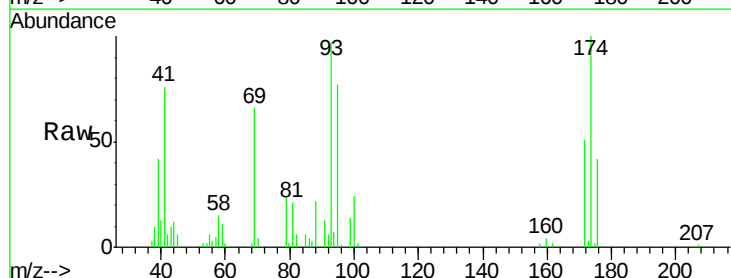
Manual Integrations
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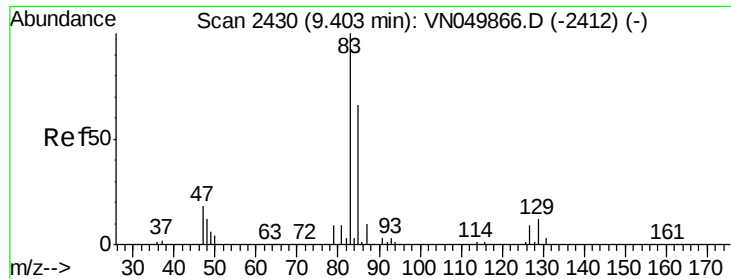
MMDadoda
 7/19/2018 4:28:52 PM



#46
 Dibromomethane
 Concen: 5.48 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion: 93 Resp: 25236
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.9 101.9
 174 108.2 89.4 134.0





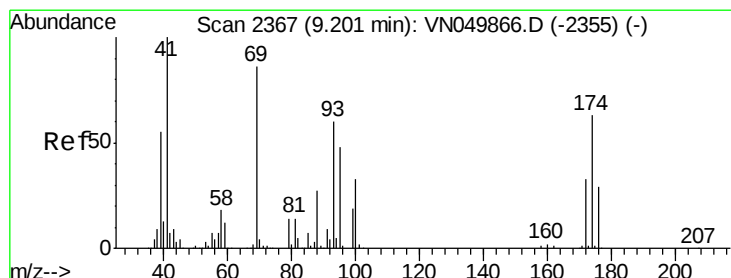
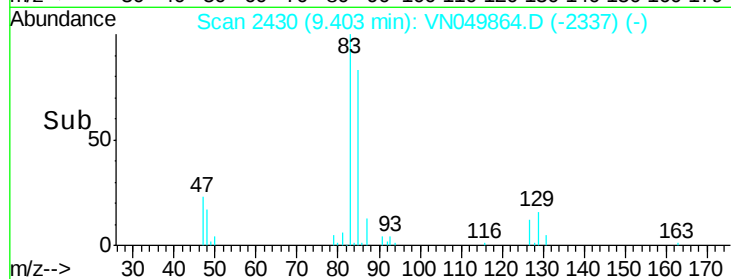
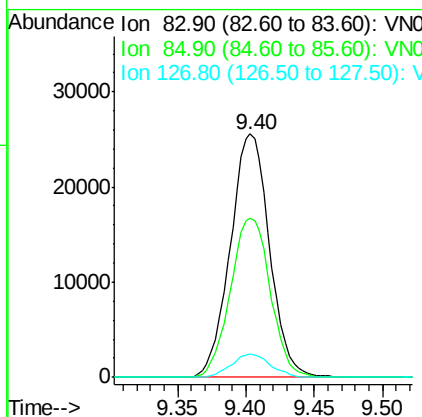
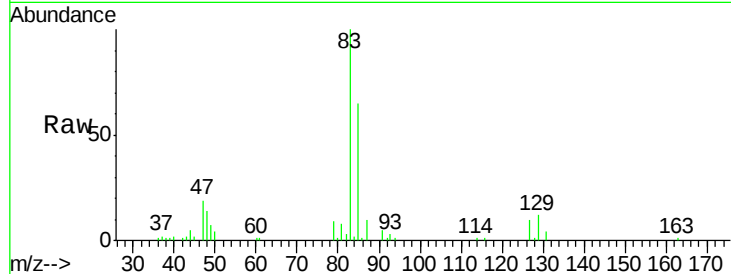
#47
Bromodichloromethane
Concen: 5.44 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	50909
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.5	75.7
127	9.7	6.8	10.2

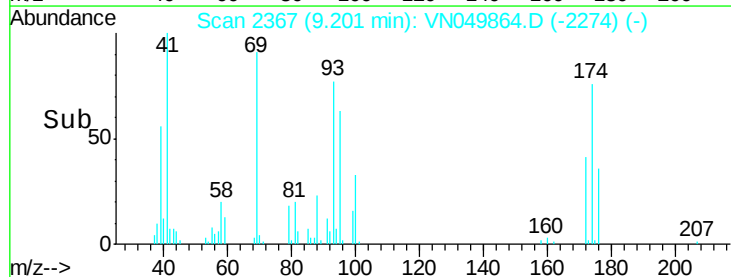
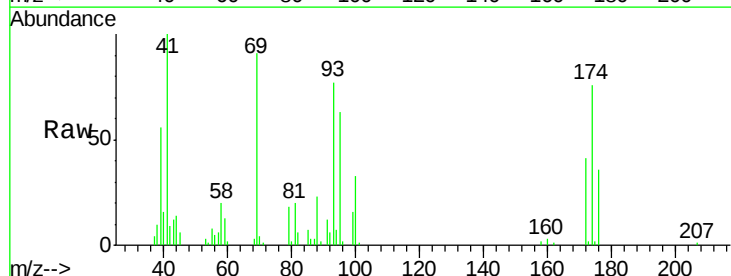
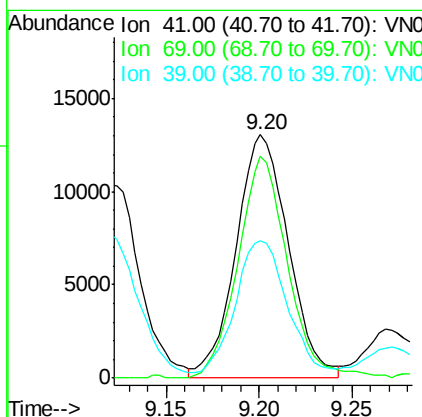
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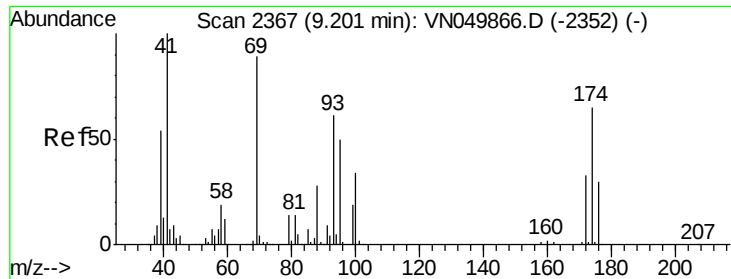
MMDadoda
7/19/2018 4:28:52 PM



#48
Methyl methacrylate
Concen: 4.56 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	41	Resp	25665
Ion Ratio	100	Lower	Upper
41	100		
69	86.6	71.5	107.3
39	57.8	44.7	67.1





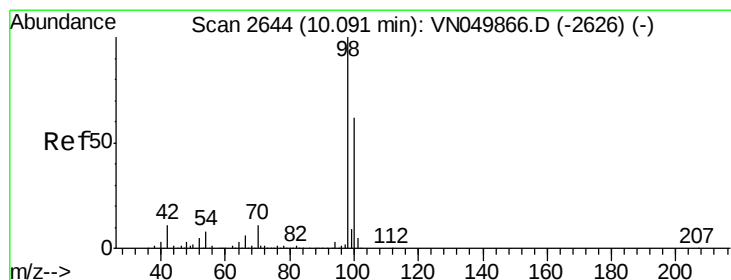
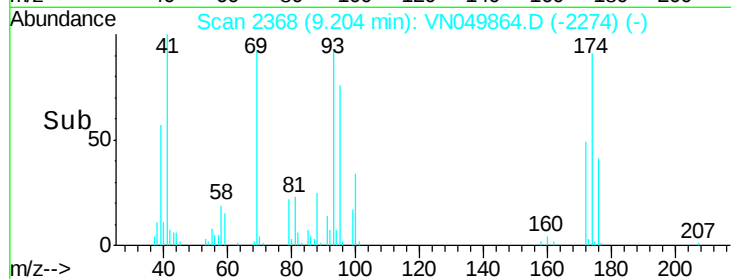
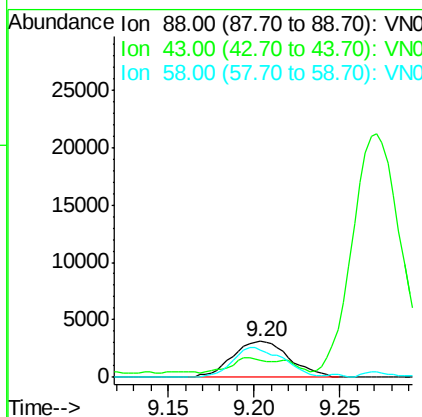
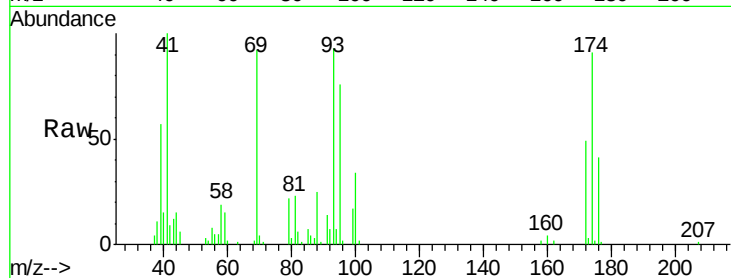
#49
1,4-Dioxane
Concen: 85.15 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.8	25.1	37.7
58	73.7	52.5	78.7

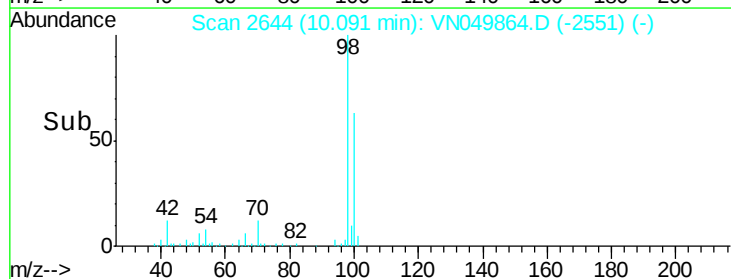
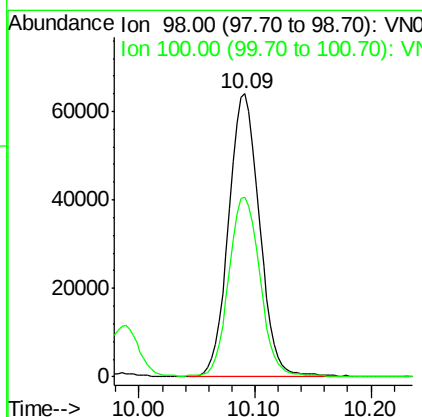
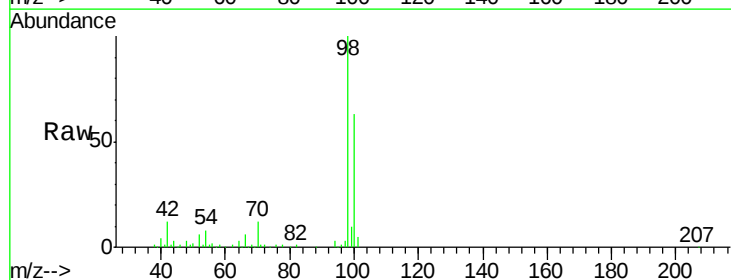
Manual Integrations
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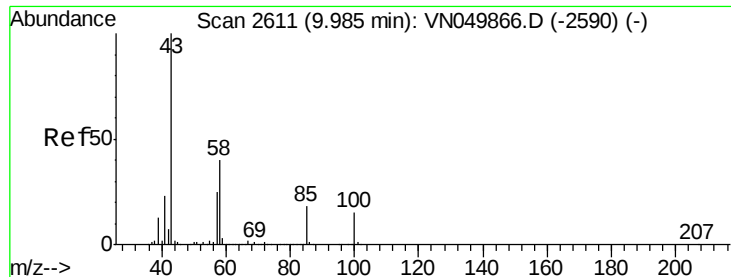
MMDadoda
7/19/2018 4:28:52 PM



#50
Toluene-d8
Concen: 4.81 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 21.91 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 146230

Ion Ratio Lower Upper

43 100

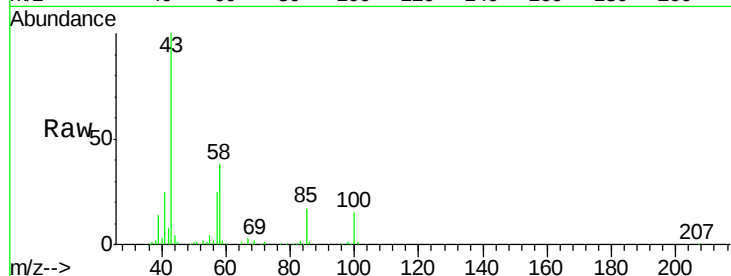
58 37.9 31.8 47.8

Manual Integrations

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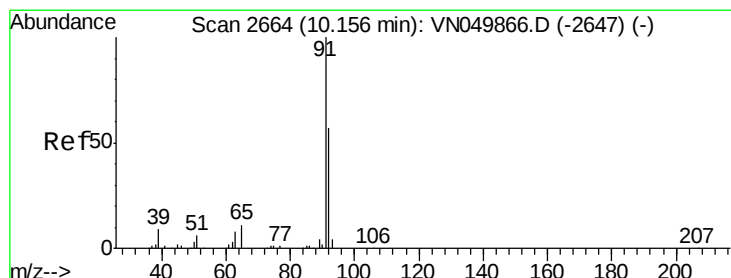
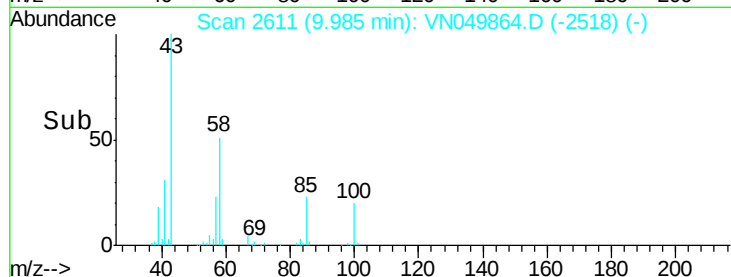
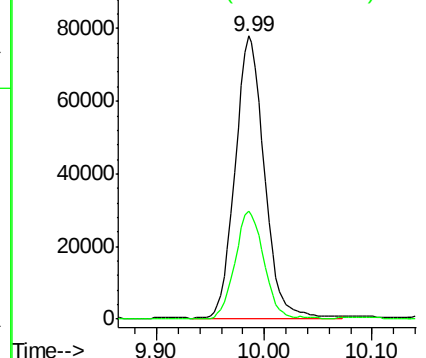
MMDadoda

7/19/2018 4:28:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.27 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049864.D

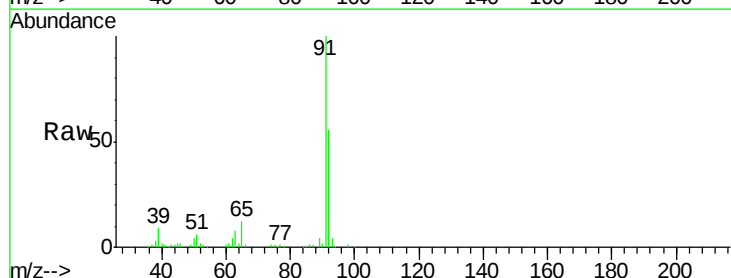
Acq: 18 Jul 2018 10:43

Tgt Ion: 92 Resp: 85545

Ion Ratio Lower Upper

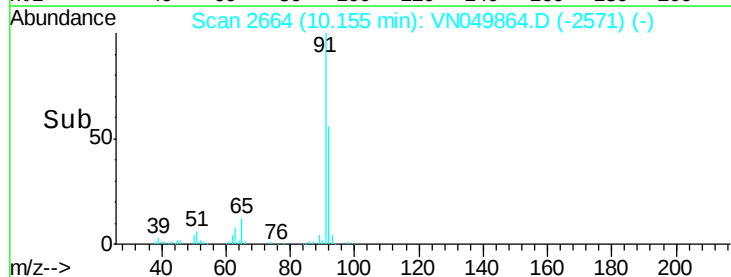
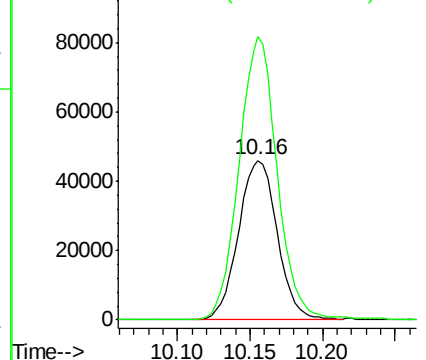
92 100

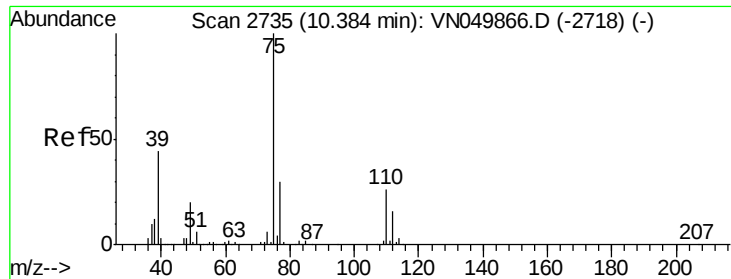
91 174.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





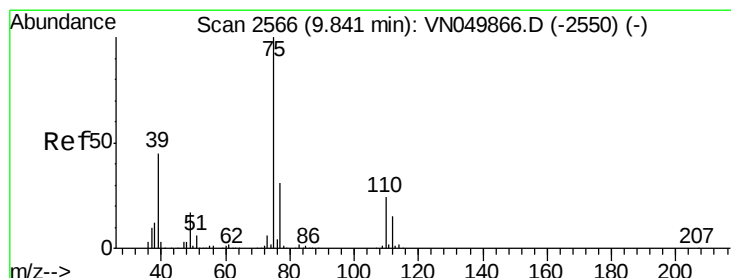
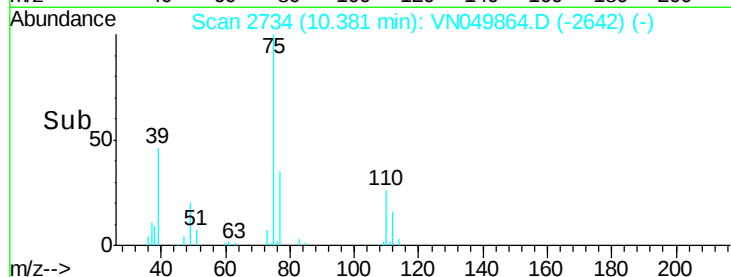
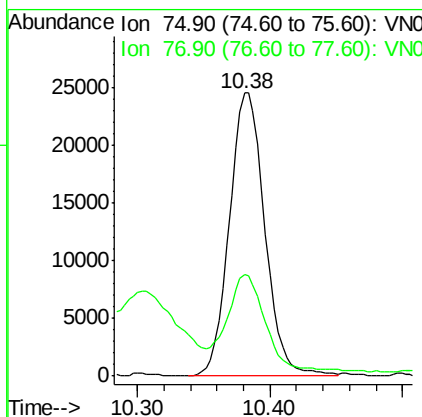
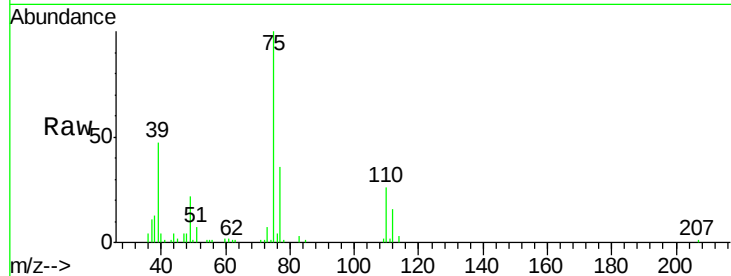
#53
t-1,3-Dichloropropene
Concen: 4.97 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 45436
Ion Ratio Lower Upper
75 100
77 33.7 25.2 37.8

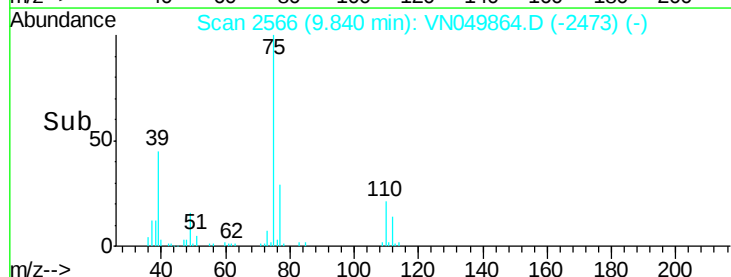
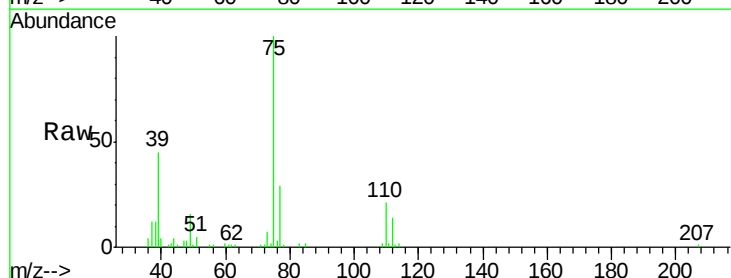
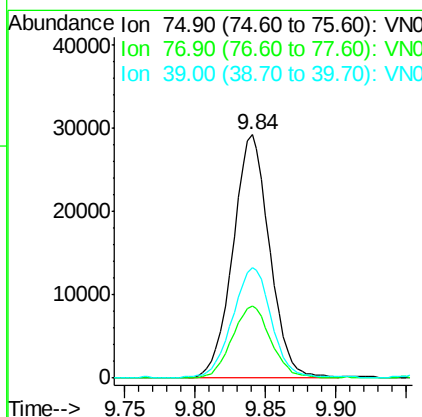
Manual Integrations
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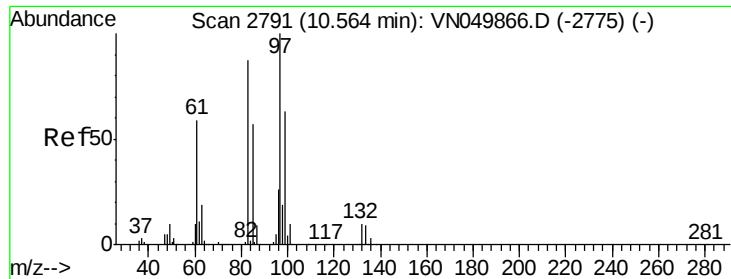
MMDadoda
7/19/2018 4:28:52 PM



#54
cis-1,3-Dichloropropene
Concen: 5.18 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion: 75 Resp: 53178
Ion Ratio Lower Upper
75 100
77 29.4 25.3 37.9
39 44.5 35.5 53.3





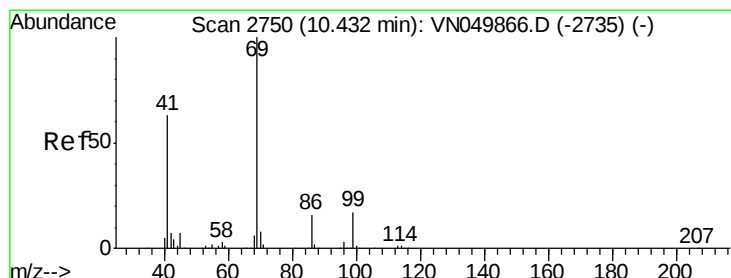
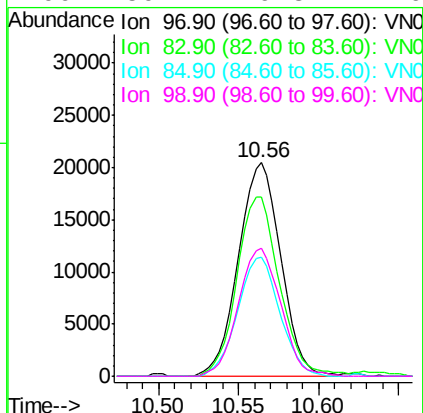
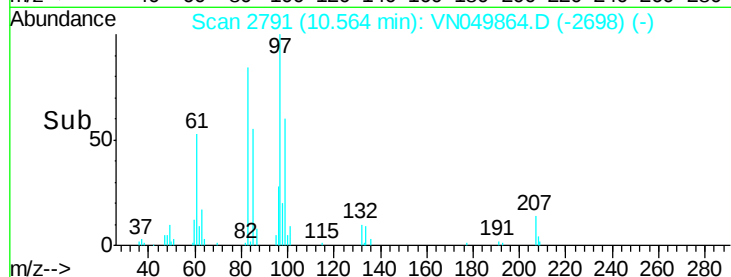
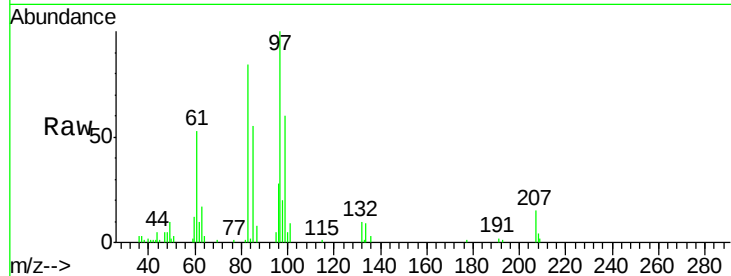
#55
 1,1,2-Trichloroethane
 Concen: 5.55 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	83.7	69.0	103.6	
85	55.5	44.9	67.3	
99	59.7	49.8	74.6	

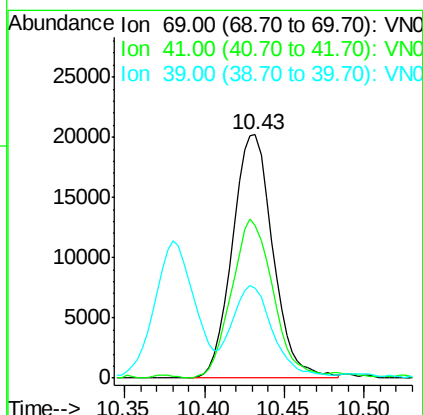
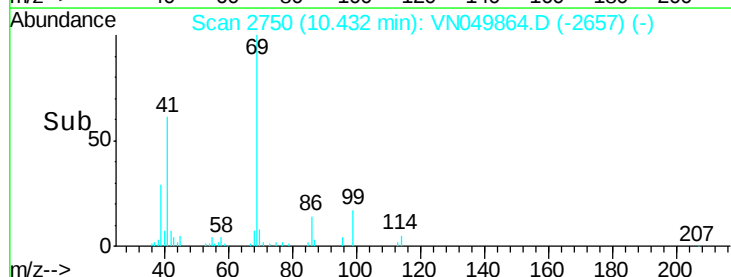
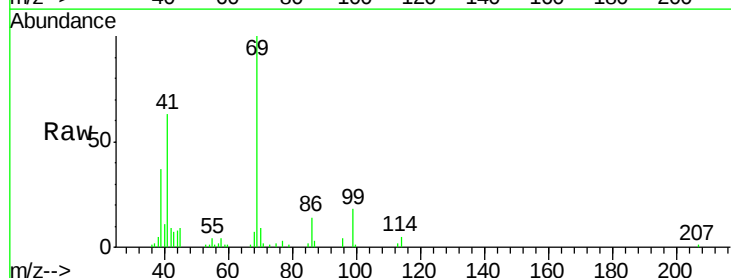
Manual Integrations
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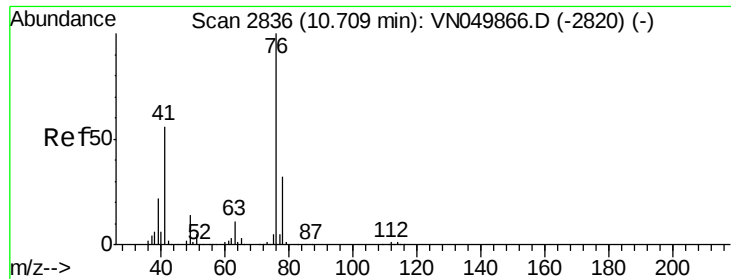
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 4.33 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	67.1	51.6	77.4	
39	37.3	25.8	38.8	





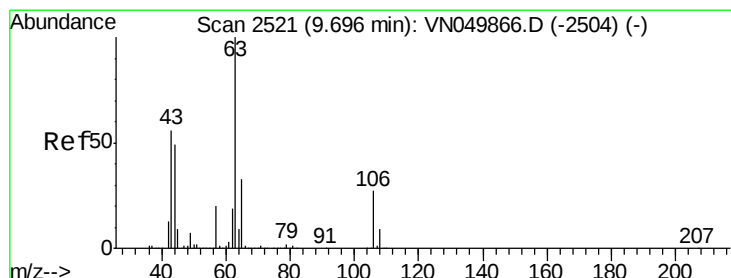
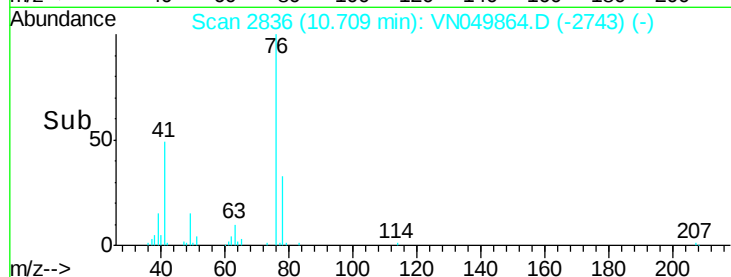
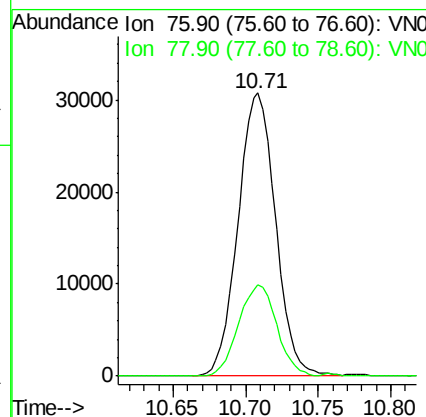
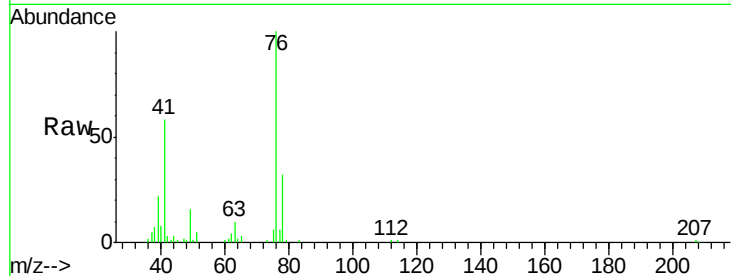
#57
 1,3-Dichloropropane
 Concen: 5.13 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.8	38.8

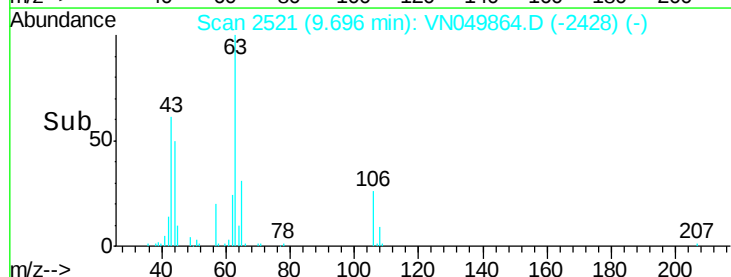
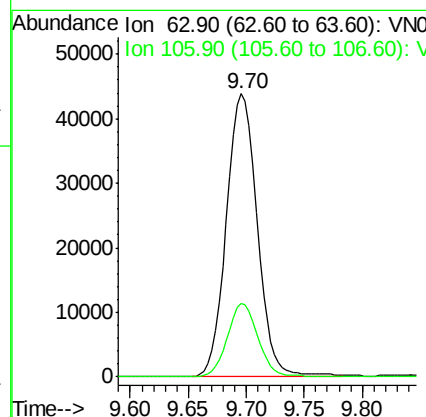
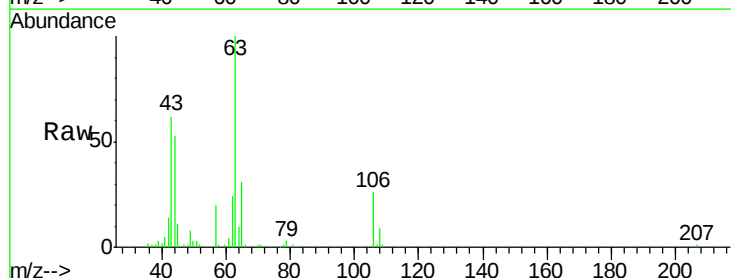
Manual Integrations
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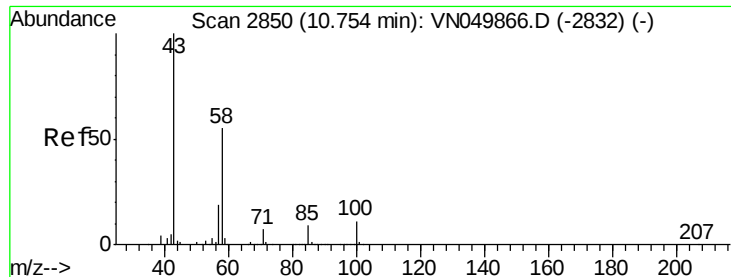
MMDadoda
 7/19/2018 4:28:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.30 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	21.8	32.8





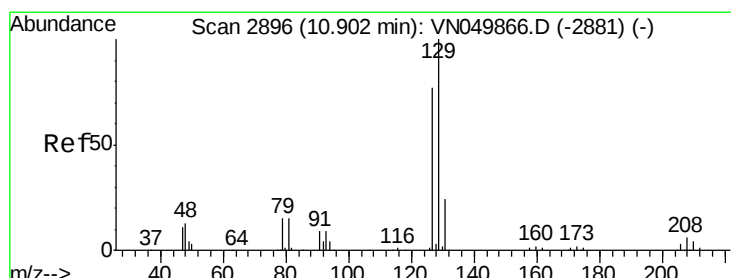
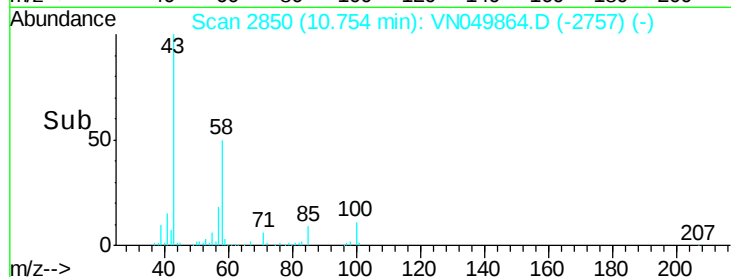
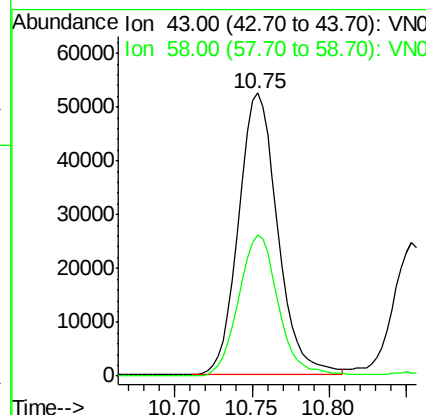
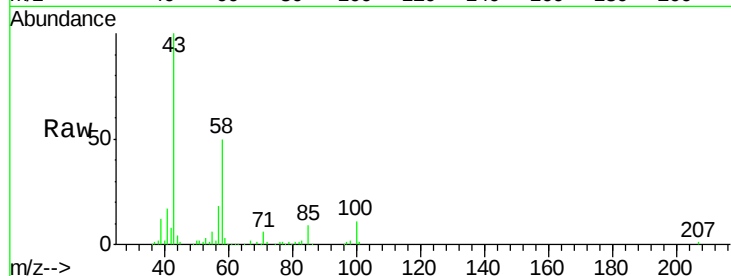
#59
2-Hexanone
Concen: 20.13 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	92080
Ion Ratio	43	100	
Lower	58	51.5	27.8
Upper			83.4

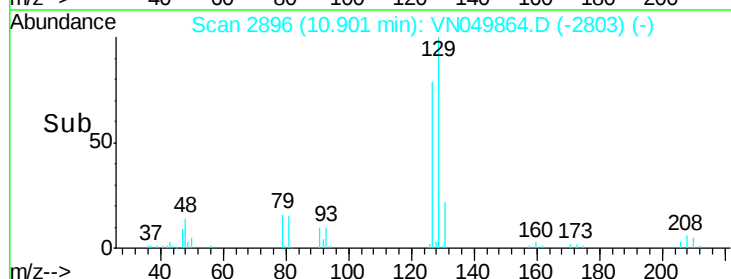
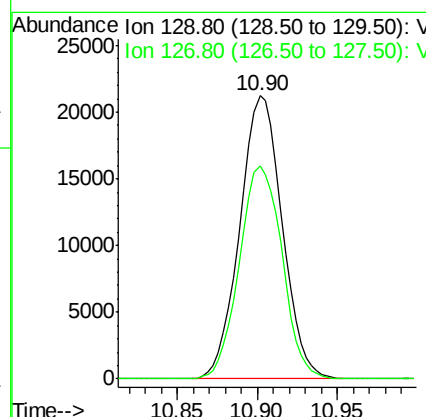
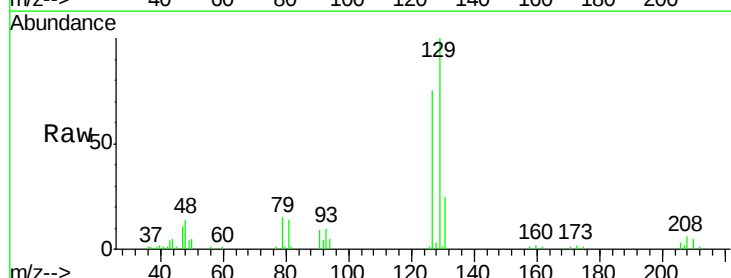
Manual Integrations
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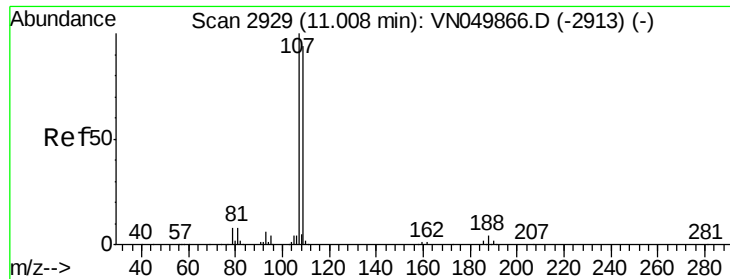
MMDadoda
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#60
Dibromochloromethane
Concen: 5.16 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	129	Resp	38308
Ion Ratio	129	100	
Lower	127	75.8	38.3
Upper			114.9





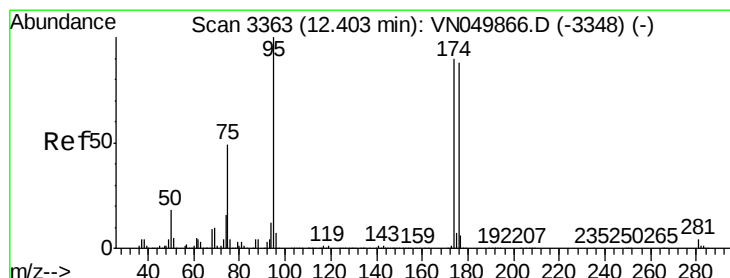
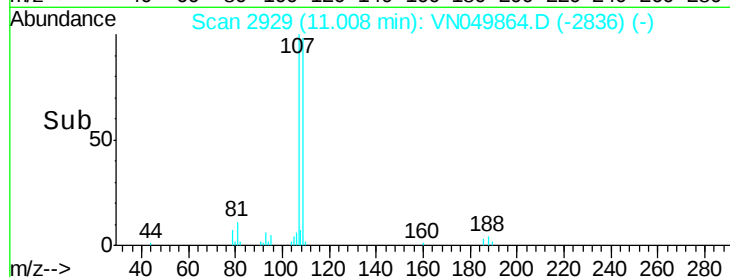
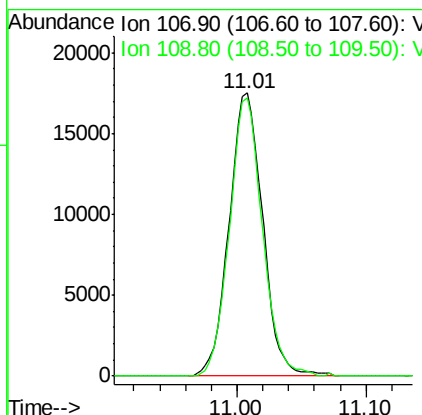
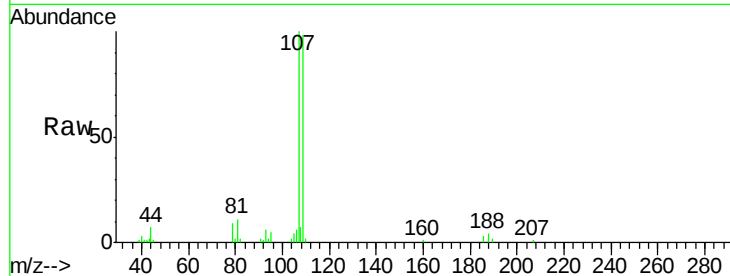
#61
 1,2-Dibromoethane
 Concen: 4.85 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	31703		
109	109	96.4	75.0	112.6	

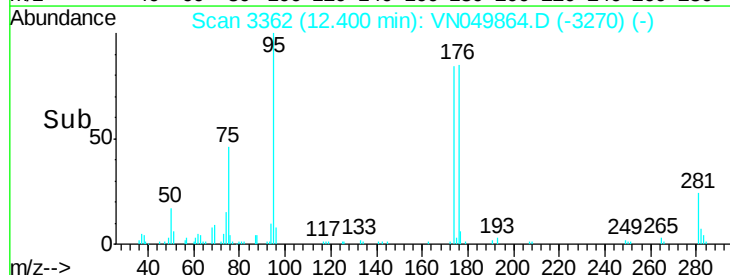
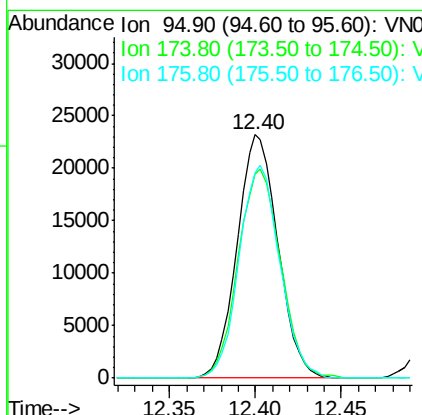
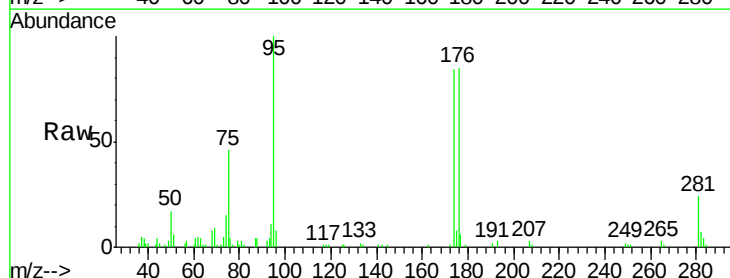
Manual Integrations
 APPROVED

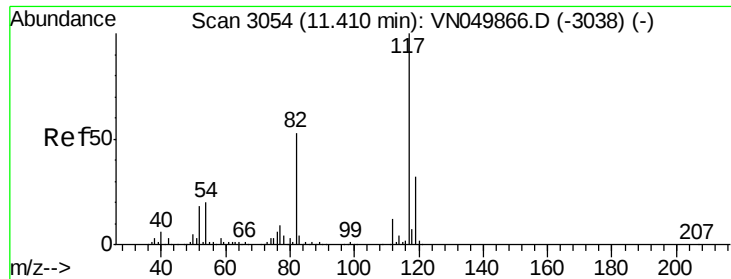
MMDadoda
 7/19/2018 4:28:52 PM



#62
 4-Bromofluorobenzene
 Concen: 4.64 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	95	100	38274		
174	174	89.5	0.0	179.6	
176	176	87.2	0.0	174.0	





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

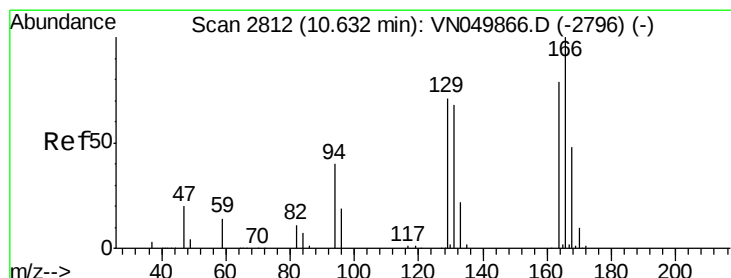
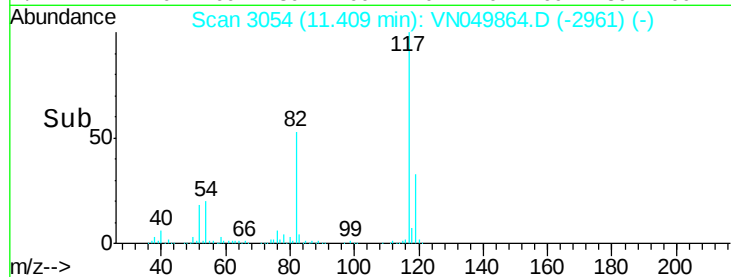
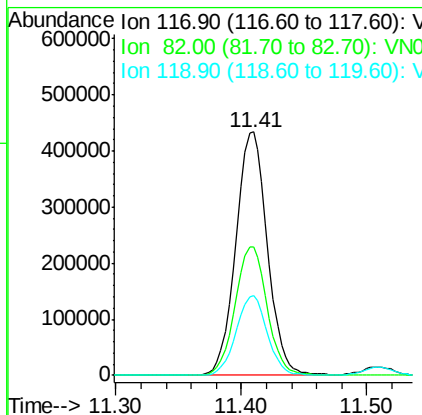
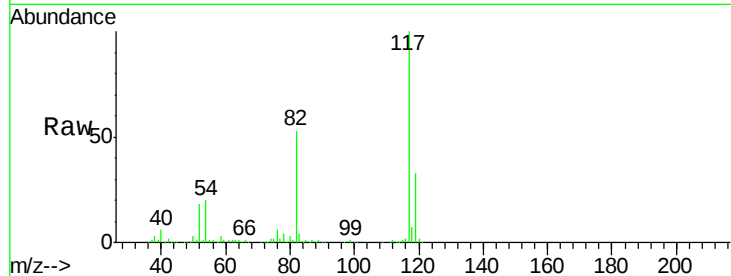
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	759471
Ion Ratio	Lower	Upper	
117	100		
82	52.5	41.9	62.9
119	32.6	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 5.58 ug/l

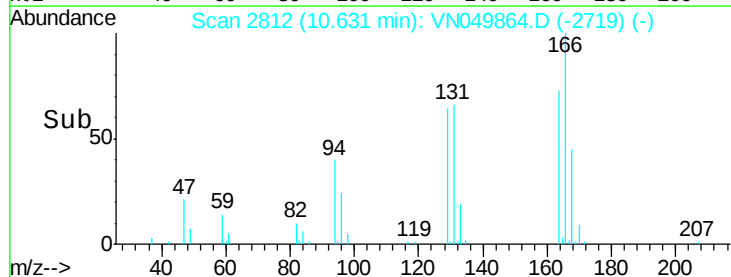
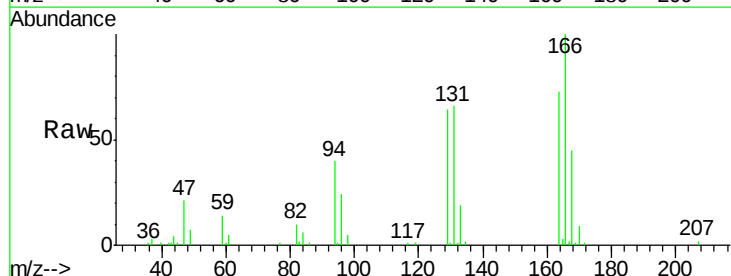
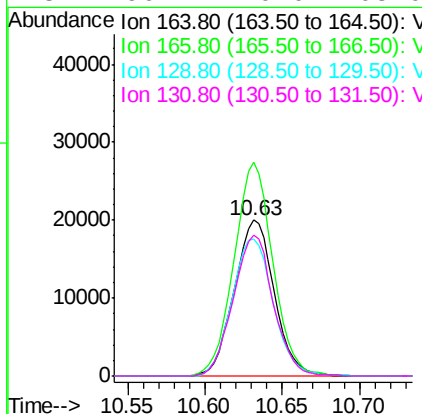
RT: 10.63 min Scan# 2812

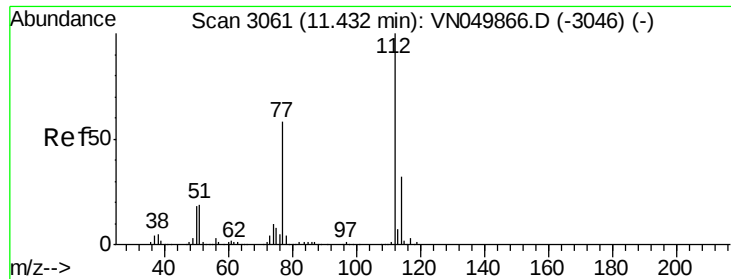
Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Tgt Ion:	164	Resp:	36053
Ion Ratio	Lower	Upper	
164	100		
166	136.9	101.8	152.6
129	88.2	72.8	109.2
131	90.4	70.0	105.0





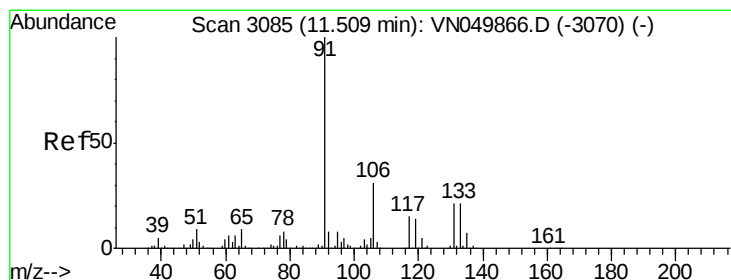
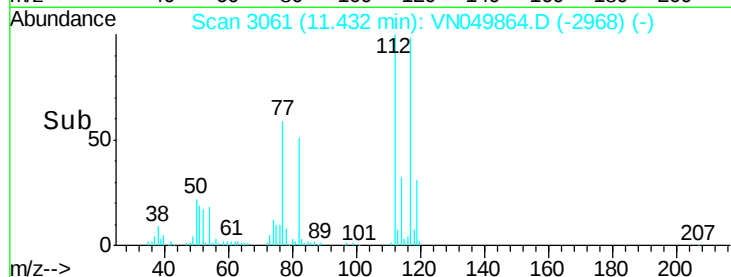
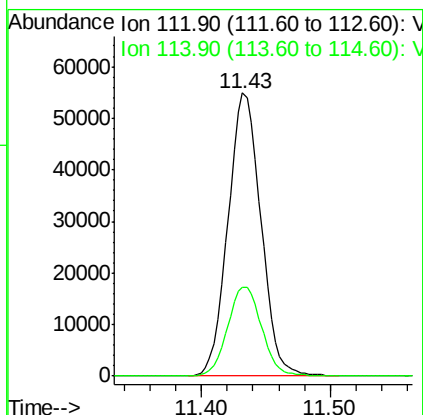
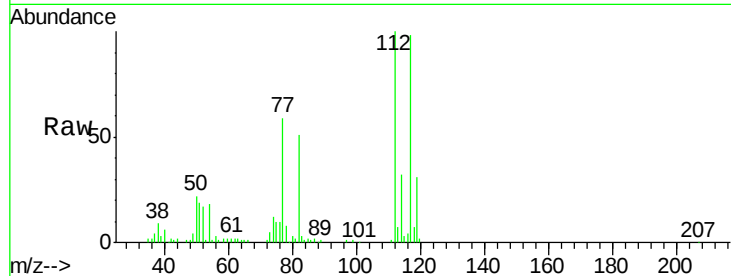
#65
Chlorobenzene
Concen: 5.40 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 97266
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0

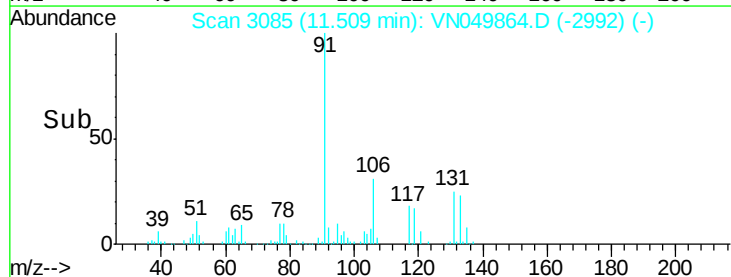
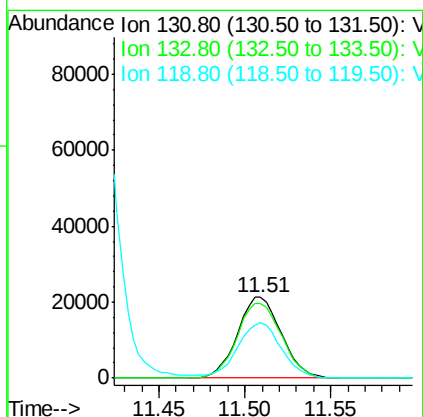
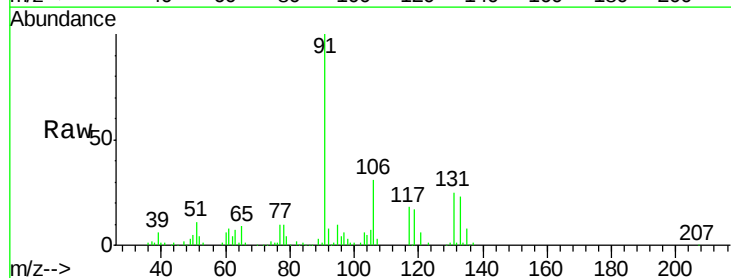
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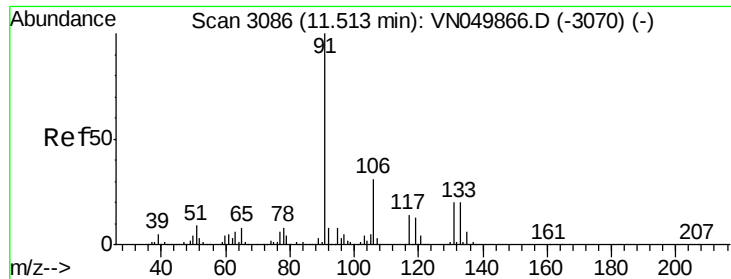
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.46 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion:131 Resp: 37763
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 68.5 33.1 99.3





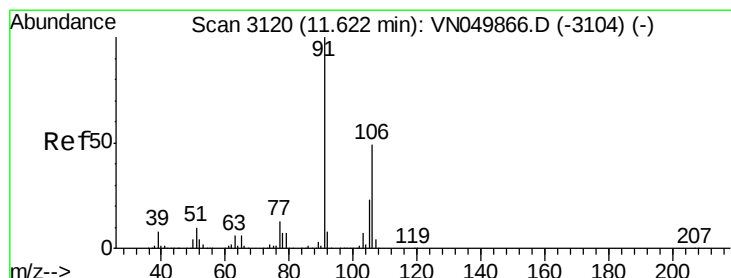
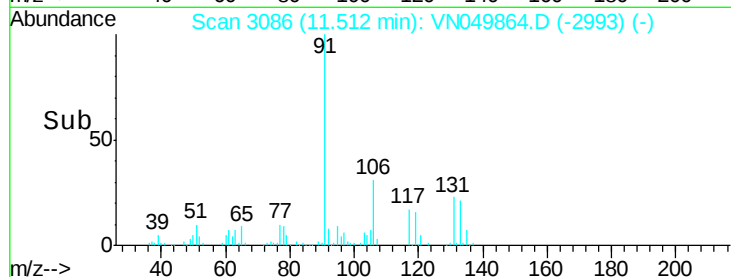
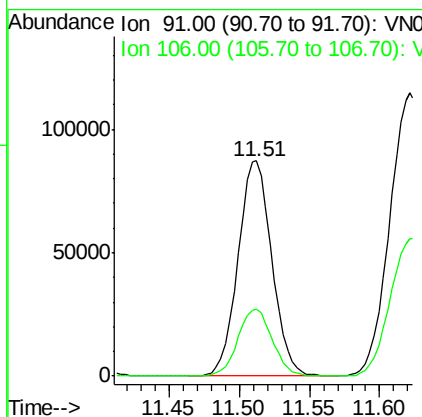
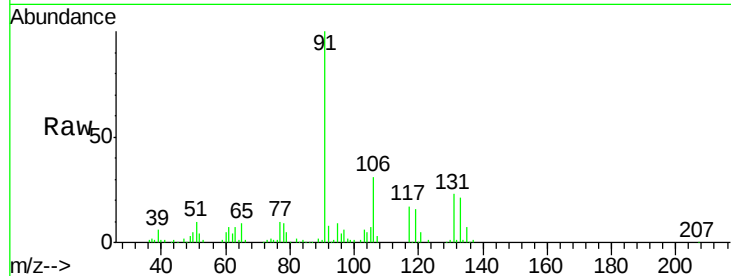
#67
Ethyl Benzene
Concen: 5.07 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 146847
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

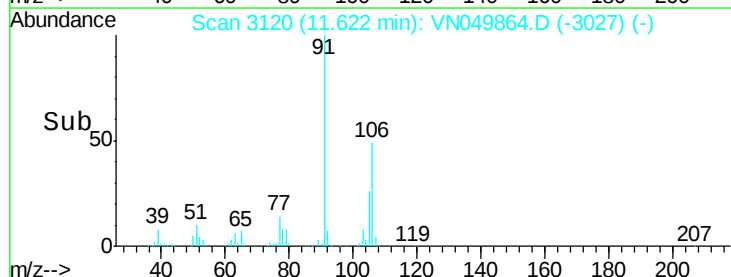
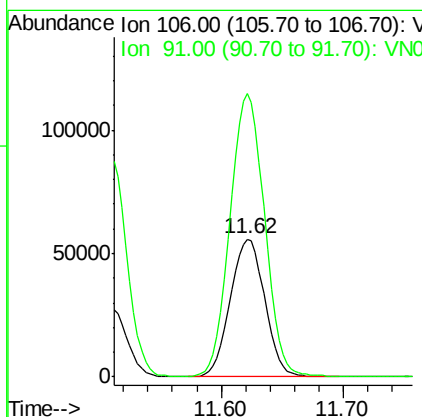
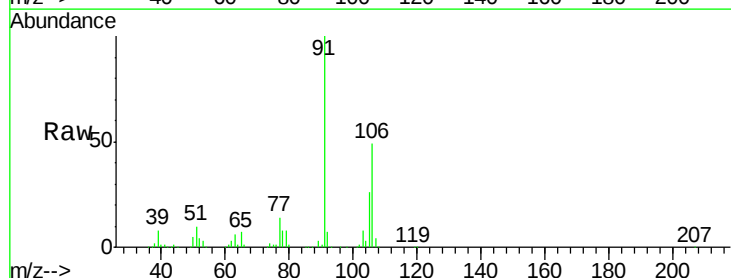
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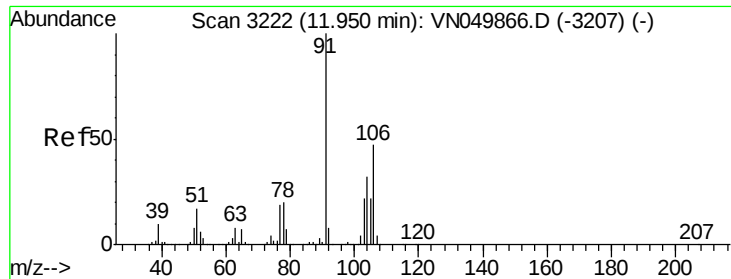
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#68
m/p-Xylenes
Concen: 10.01 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion: 106 Resp: 109934
Ion Ratio Lower Upper
106 100
91 204.5 163.4 245.2





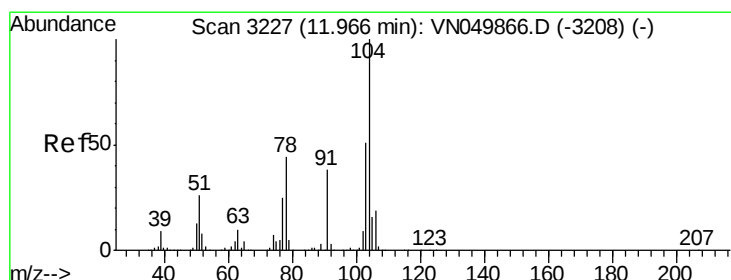
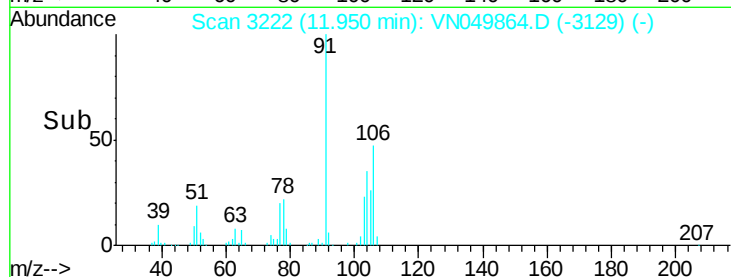
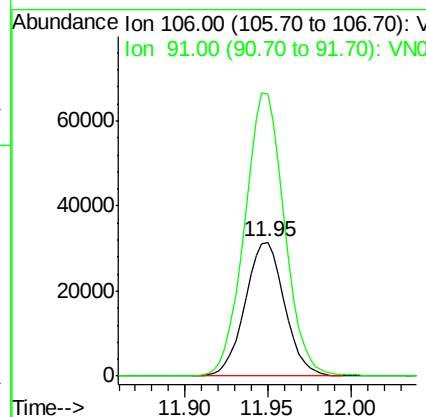
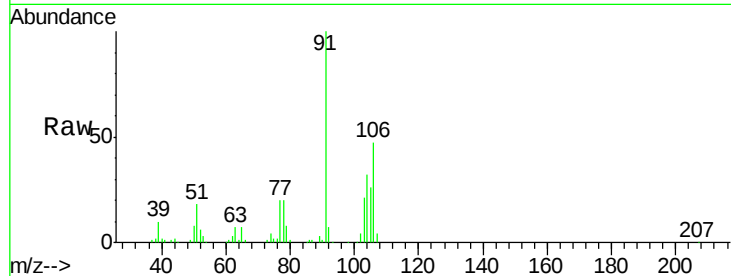
#69
o-Xylene
Concen: 5.00 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 52355
Ion Ratio Lower Upper
106 100
91 214.0 108.7 326.1

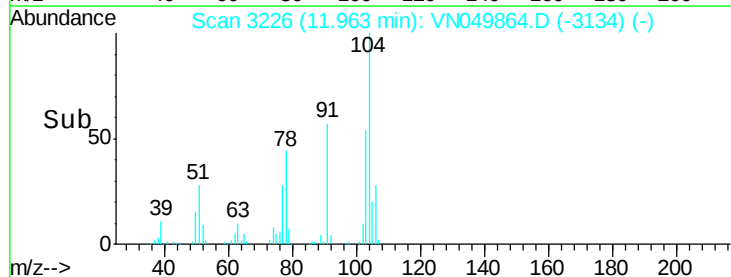
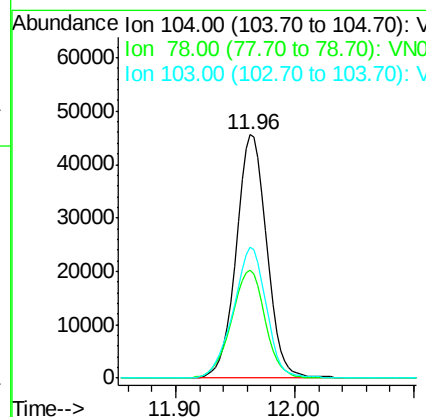
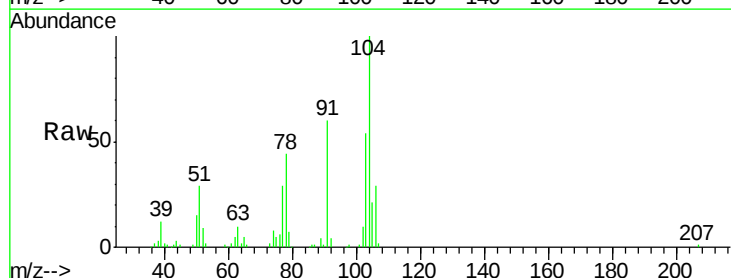
Manual Integrations
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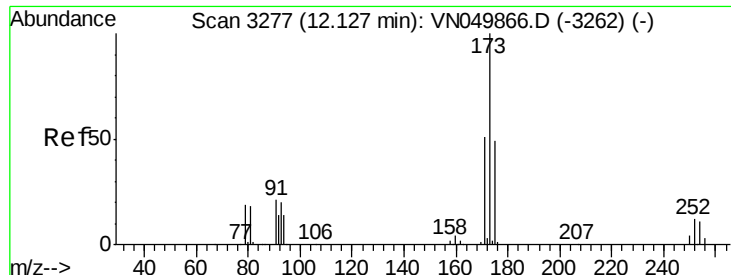
MMDadoda
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#70
Styrene
Concen: 4.79 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion:104 Resp: 81371
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 58.1 44.6 67.0





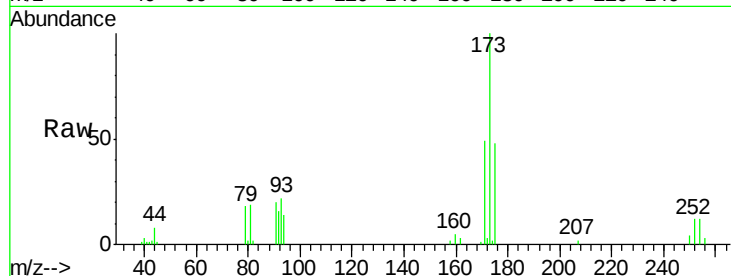
#71
Bromoform
Concen: 4.88 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

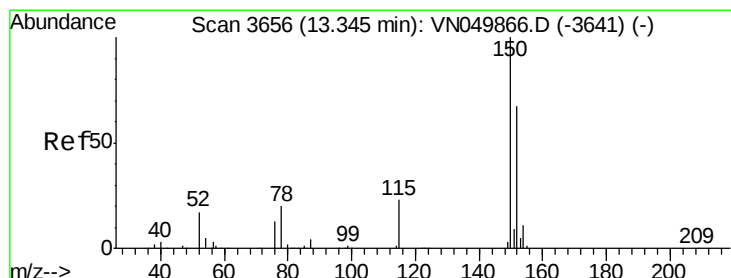
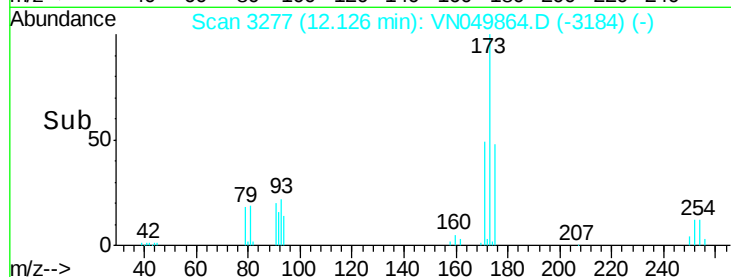
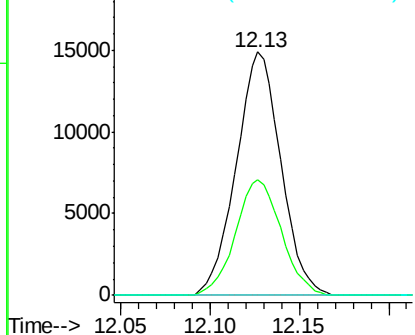
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.8
254	0.0	0.2	0.2

Manual Integrations
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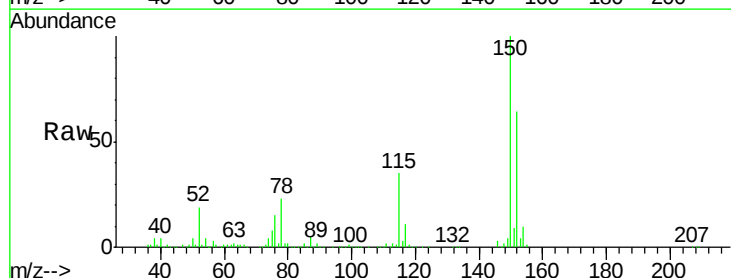


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

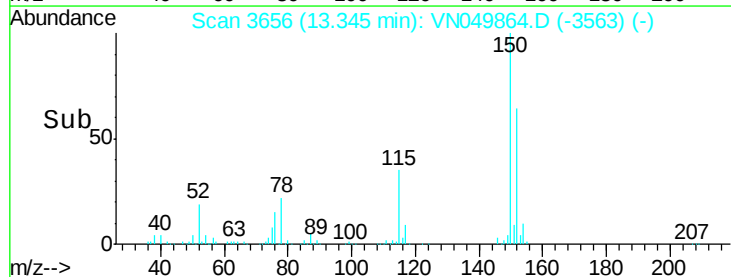
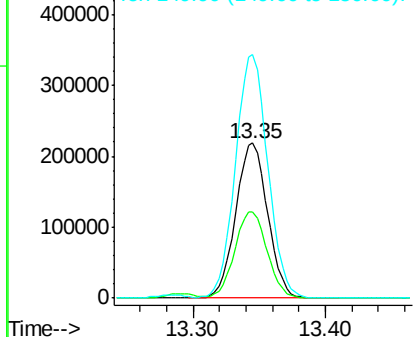


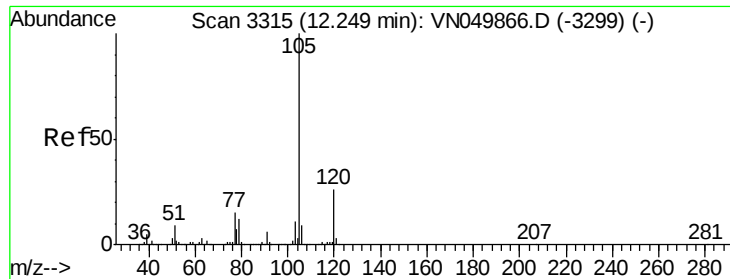
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.1	84.2
150	159.7	0.0	347.6



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: 5.24 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 138447

Ion Ratio Lower Upper

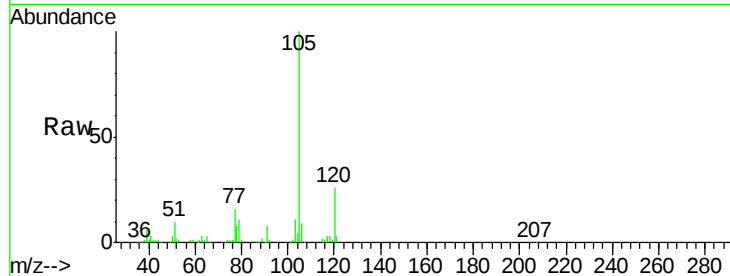
105 100

120 26.7 13.3 39.8

Manual Integrations
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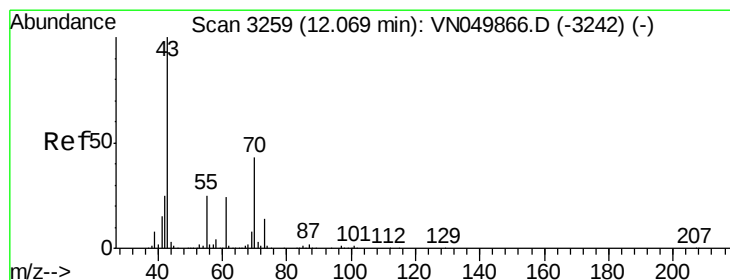
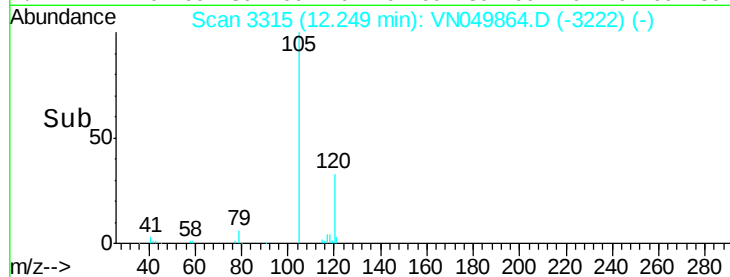
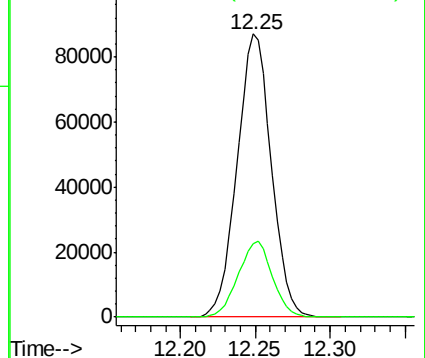
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.60 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Tgt Ion: 43 Resp: 40160

Ion Ratio Lower Upper

43 100

70 40.7 34.8 52.2

55 27.9 20.9 31.3

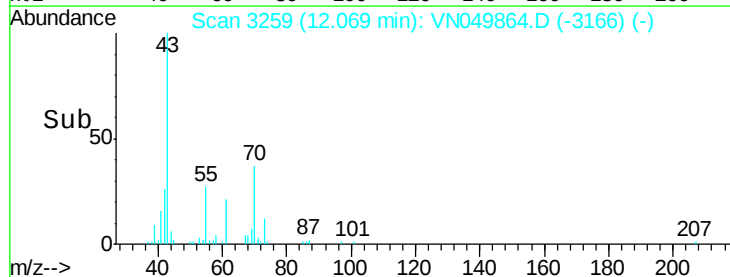
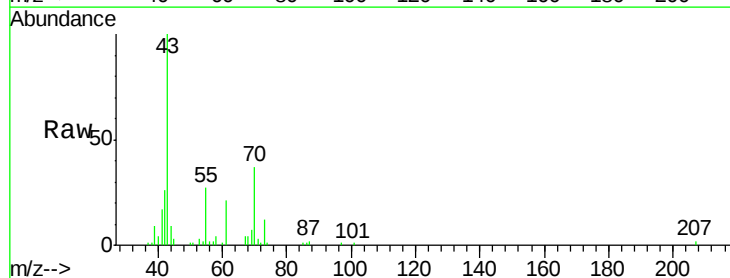
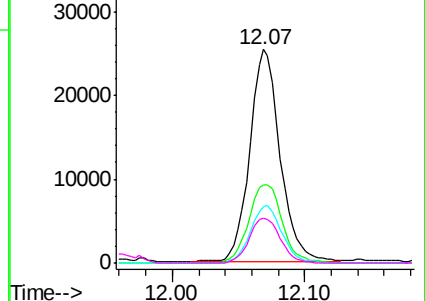
61 21.7 19.9 29.9

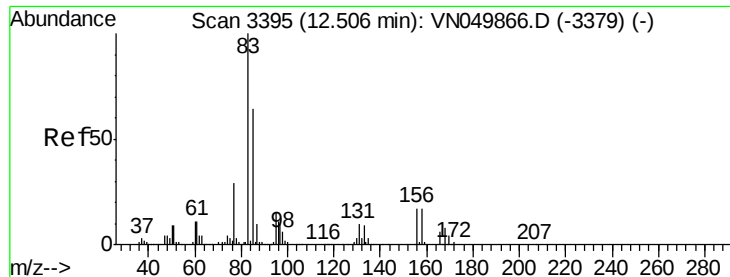
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.33 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

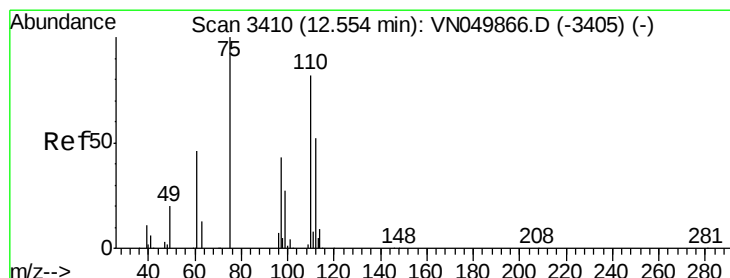
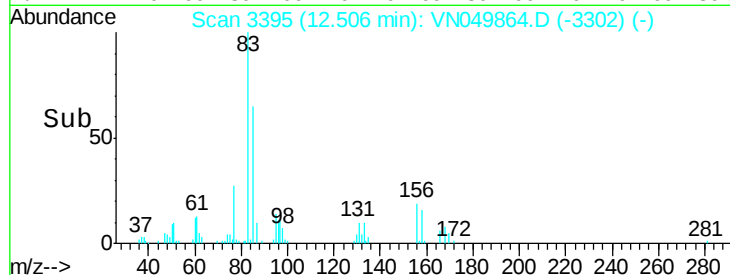
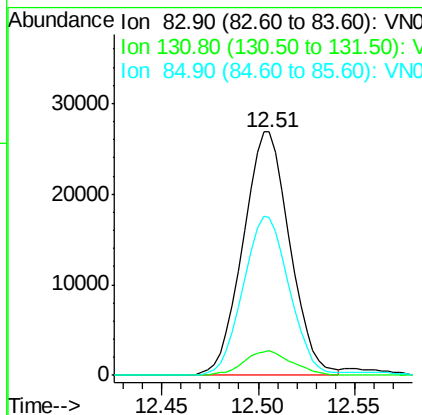
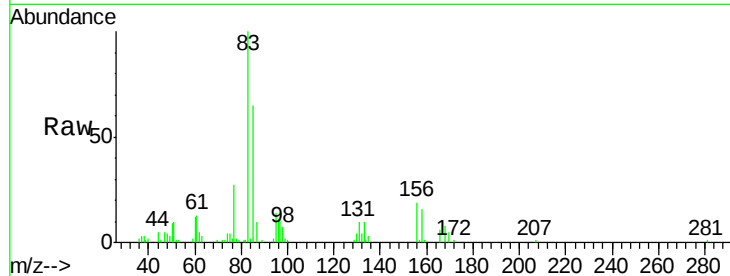
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	45194
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.2	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 4.83 ug/l m

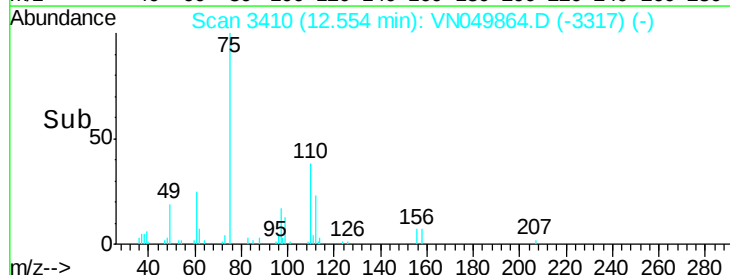
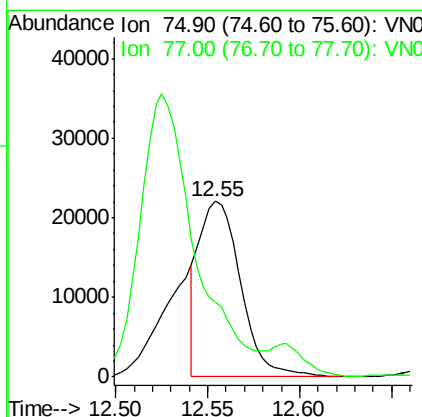
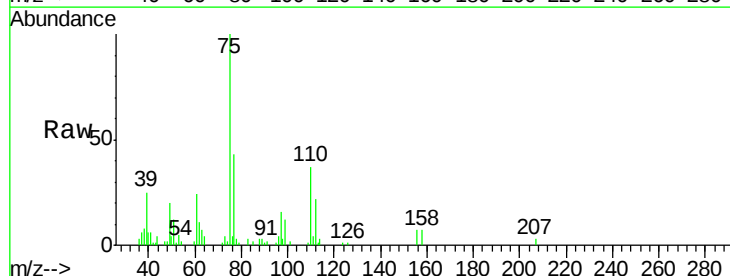
RT: 12.55 min Scan# 3410

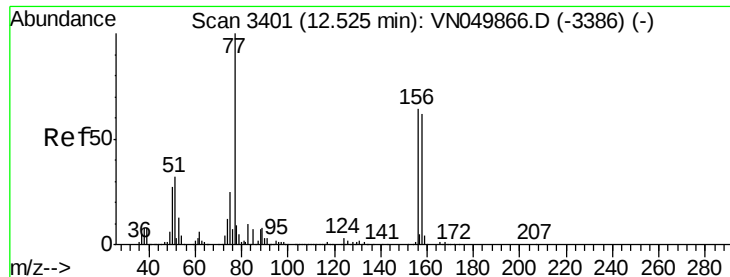
Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Tgt Ion:	75	Resp:	34490
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.62 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 40729

Ion Ratio Lower Upper

156 100

77 182.9 90.2 270.6

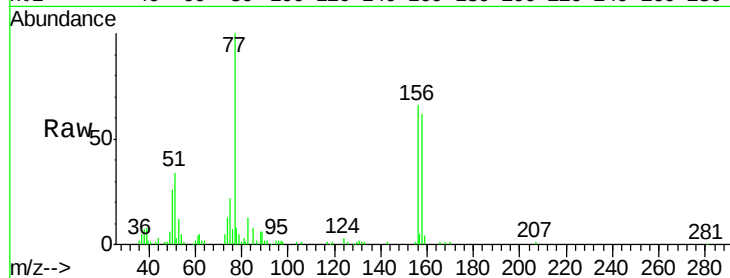
158 94.5 49.1 147.3

Manual Integrations

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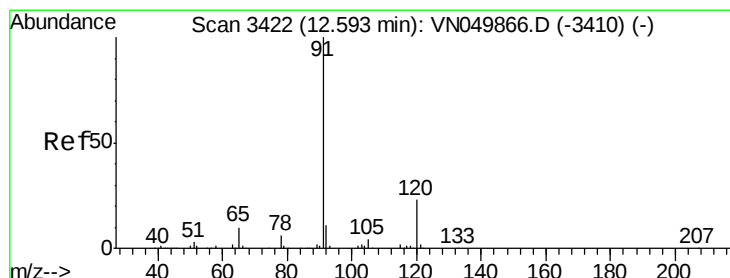
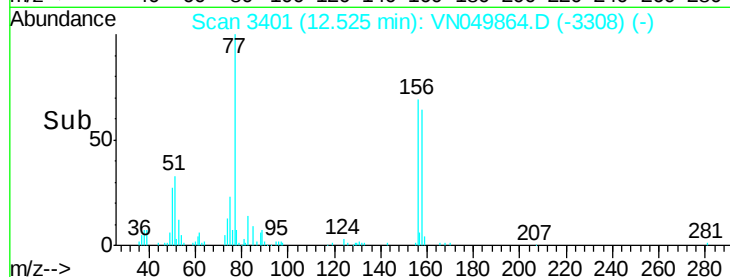
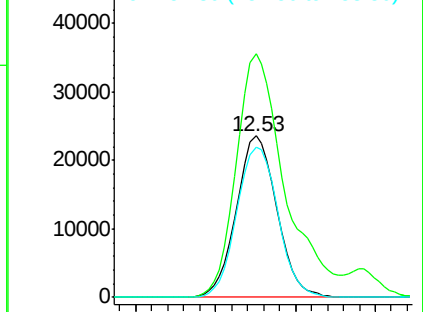
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.18 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049864.D

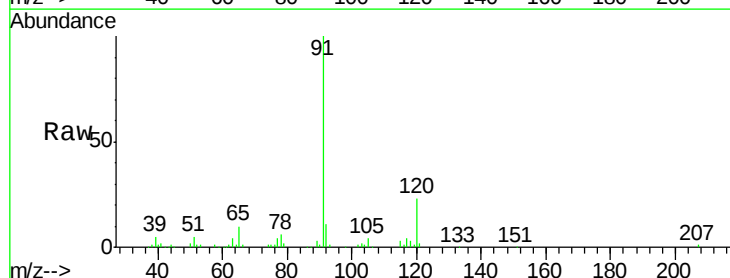
Acq: 18 Jul 2018 10:43

Tgt Ion: 91 Resp: 154094

Ion Ratio Lower Upper

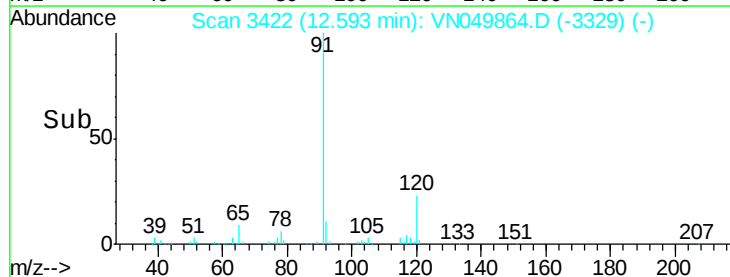
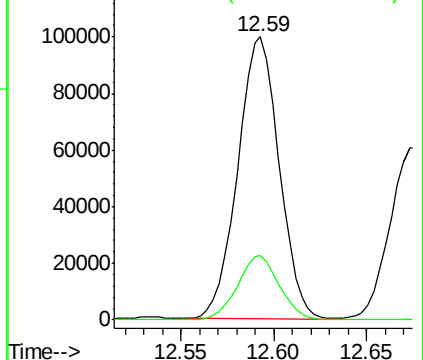
91 100

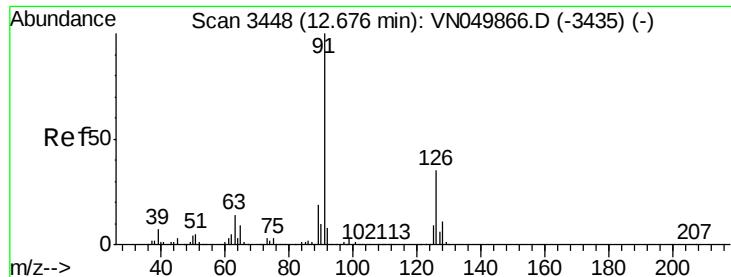
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.51 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 101207

Ion Ratio Lower Upper

91 100

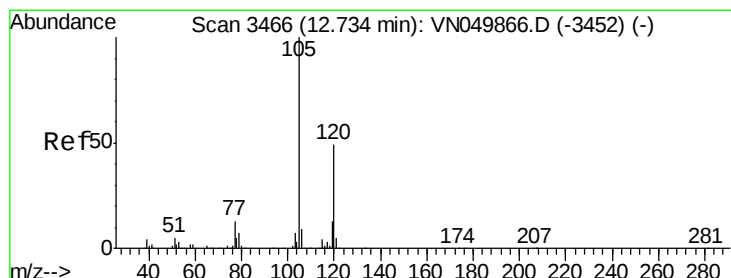
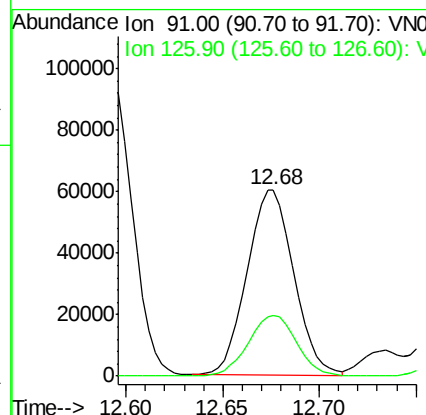
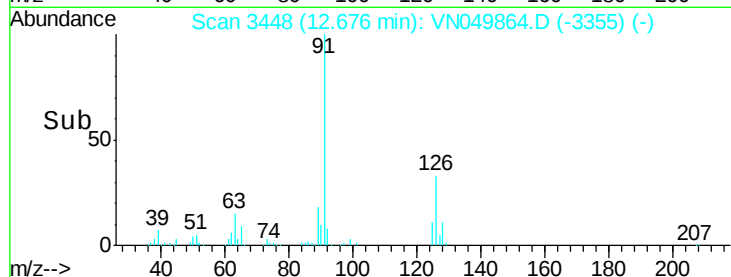
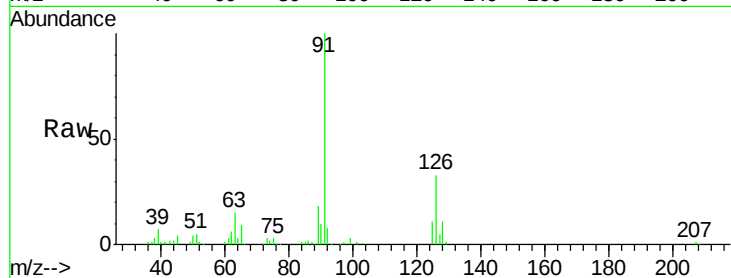
126 33.9 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.19 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049864.D

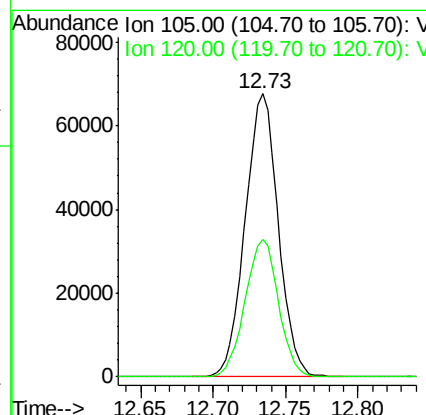
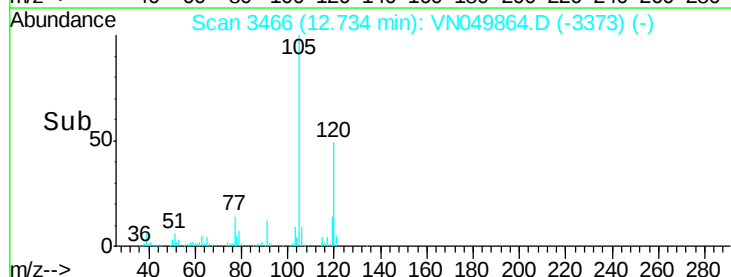
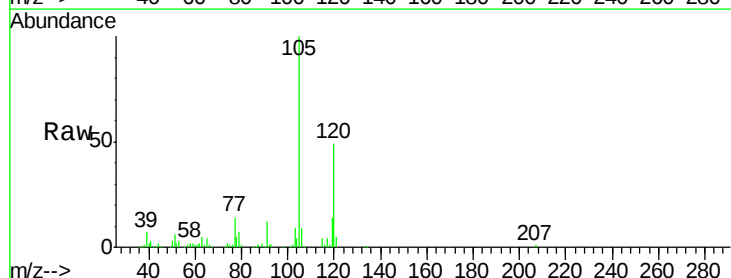
Acq: 18 Jul 2018 10:43

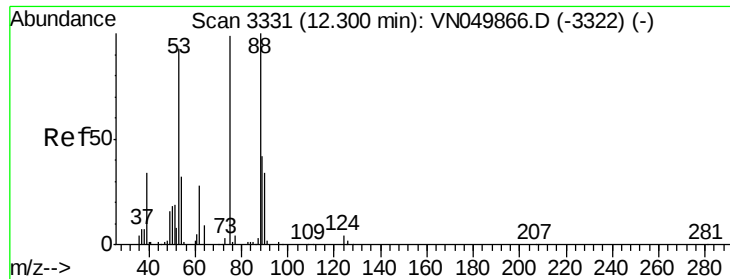
Tgt Ion: 105 Resp: 107543

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8





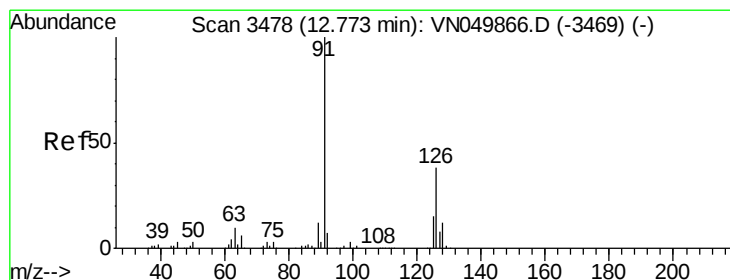
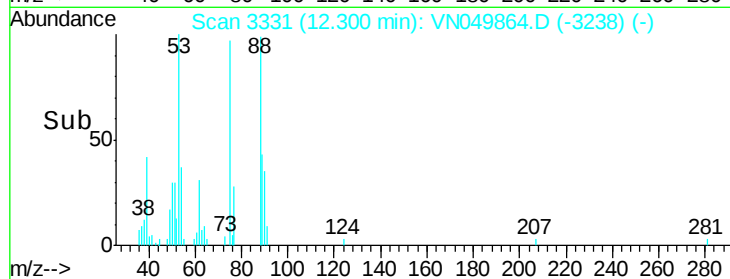
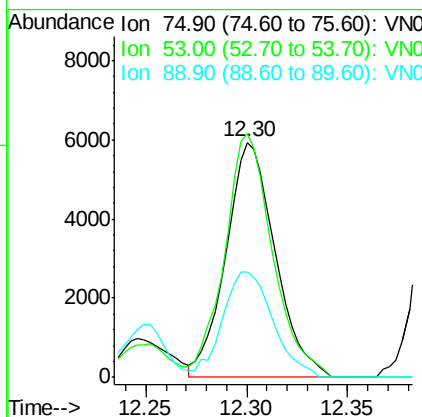
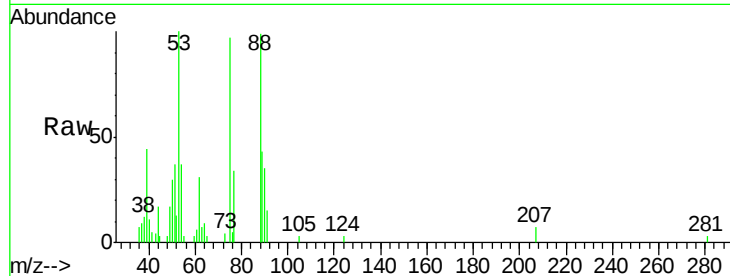
#81
trans-1,4-Dichloro-2-butene
Concen: 4.64 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	73.9	110.9
89	46.1	35.9	53.9

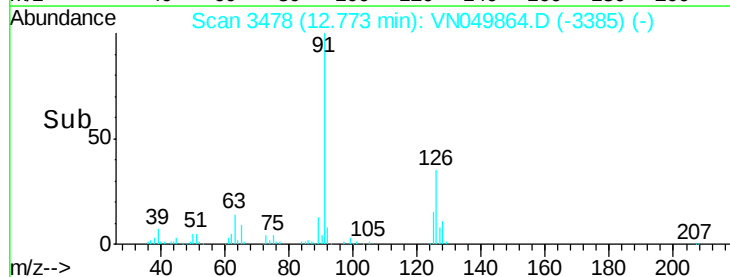
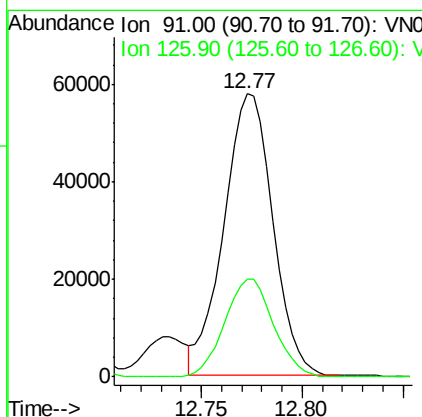
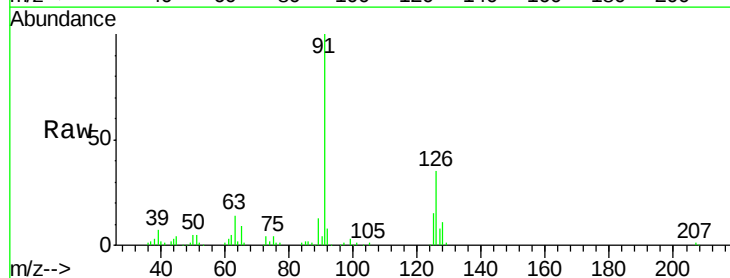
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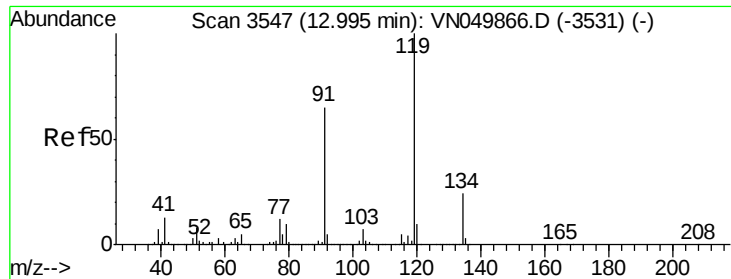
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#82
4-Chlorotoluene
Concen: 5.41 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.6





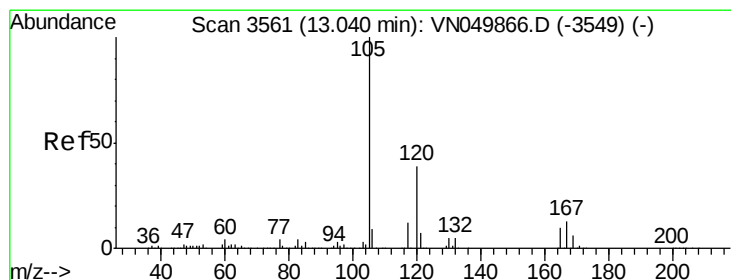
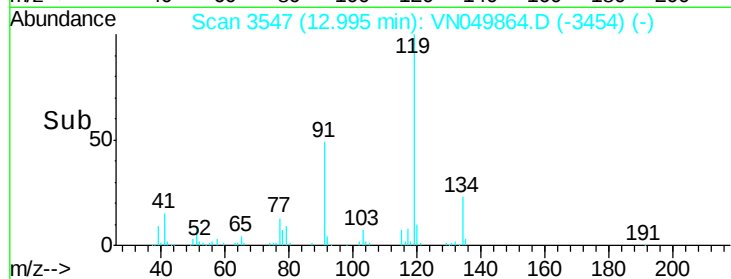
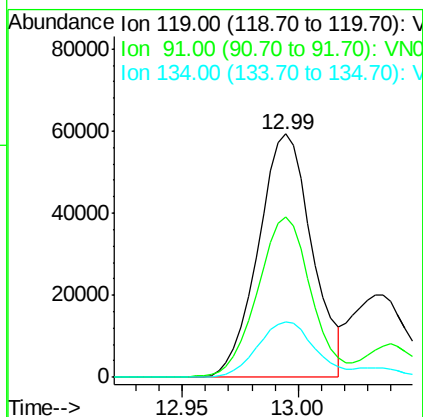
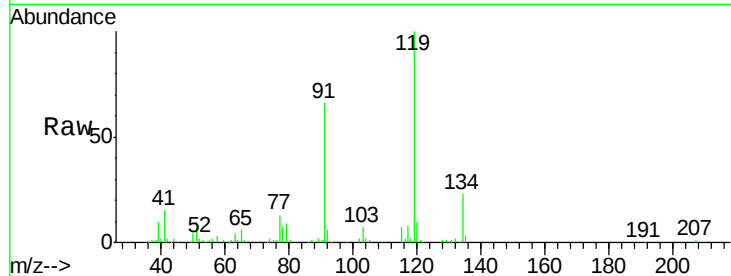
#83
 tert-Butylbenzene
 Concen: 5.28 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.0	96.2
134	24.5	12.8	38.4

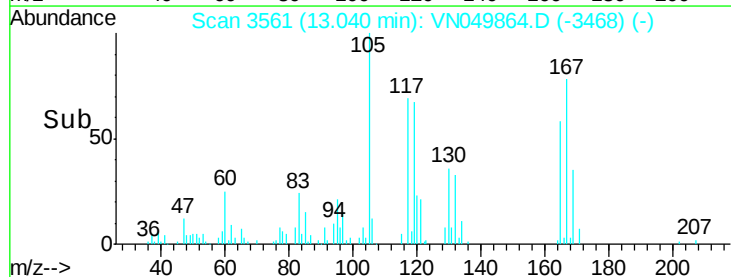
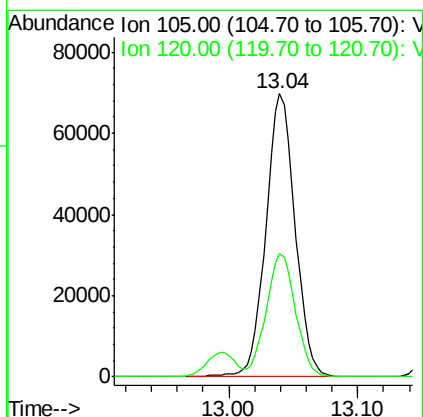
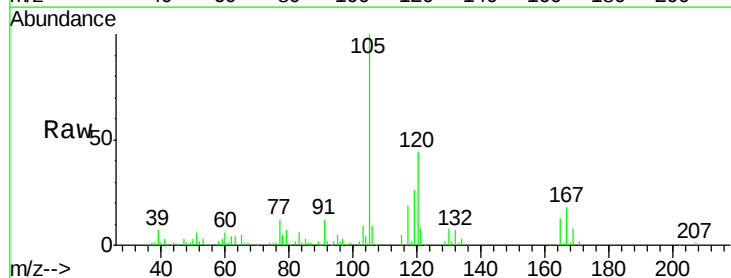
Manual Integrations
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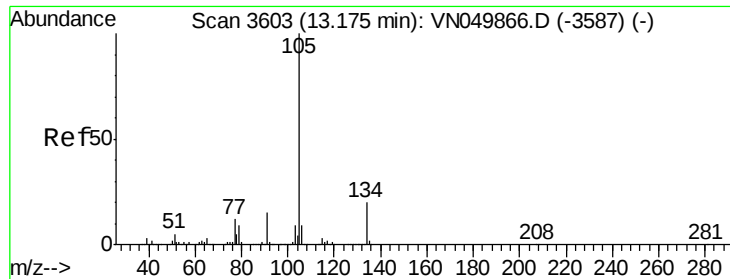
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.21 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.7	68.1





#85

sec-Butylbenzene

Concen: 5.37 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 131028

Ion Ratio Lower Upper

105 100

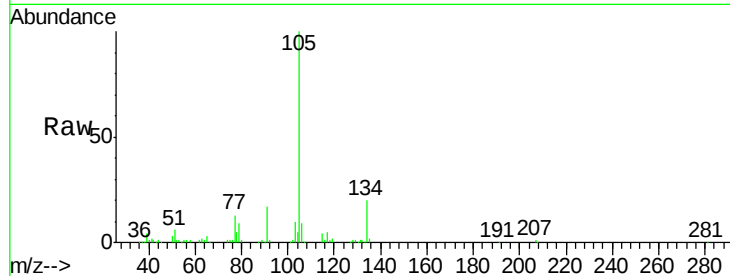
134 20.0 10.1 30.1

Manual Integrations

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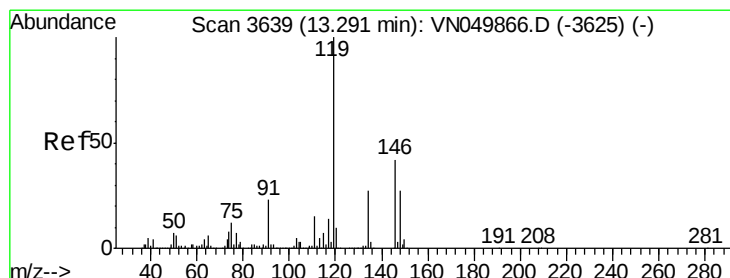
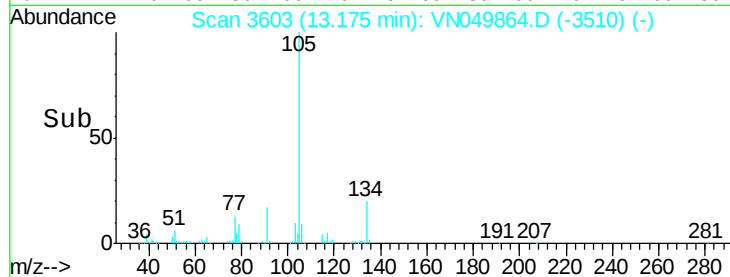
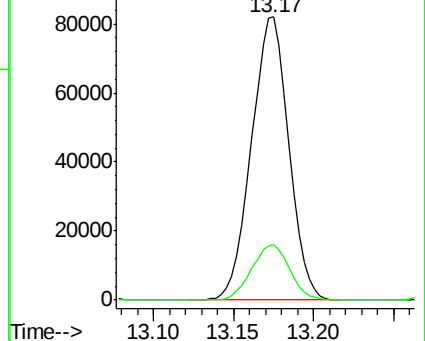
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.09 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

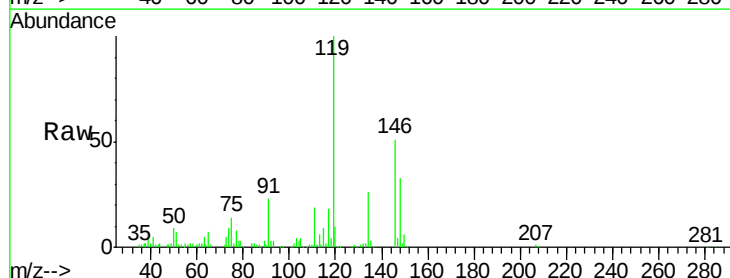
Tgt Ion:119 Resp: 105133

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

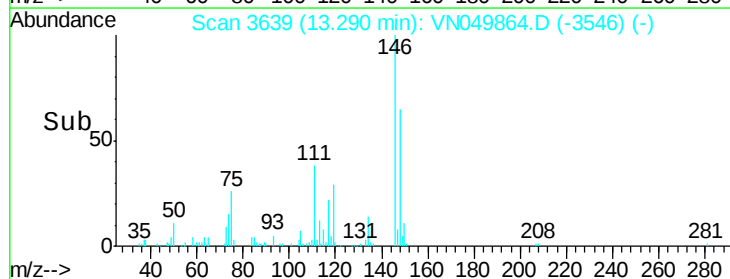
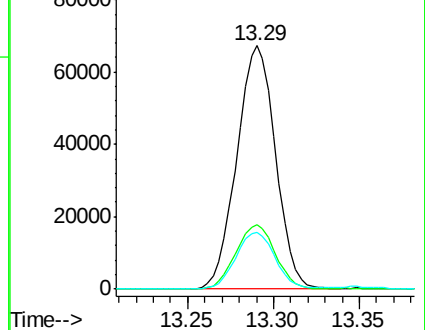
91 23.8 11.4 34.1

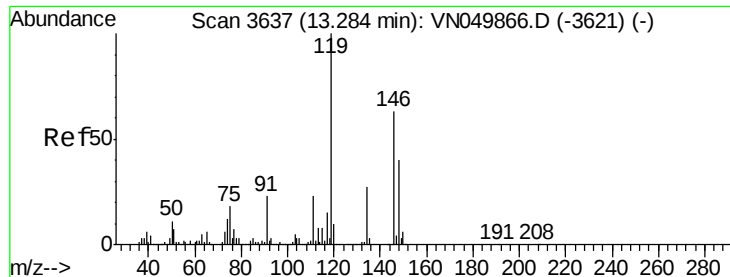


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





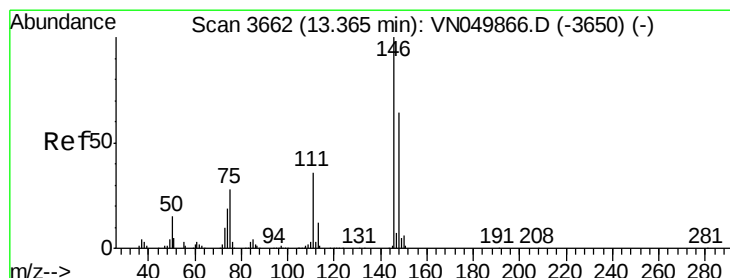
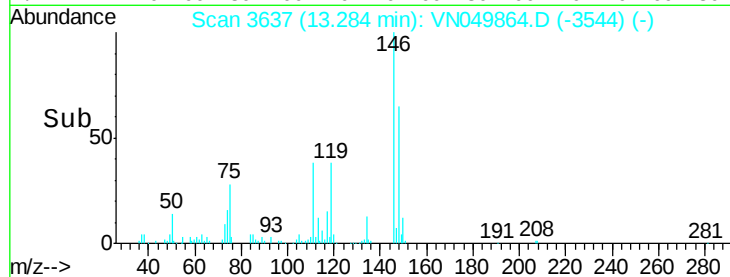
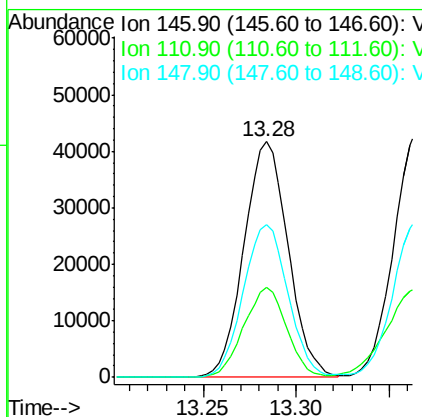
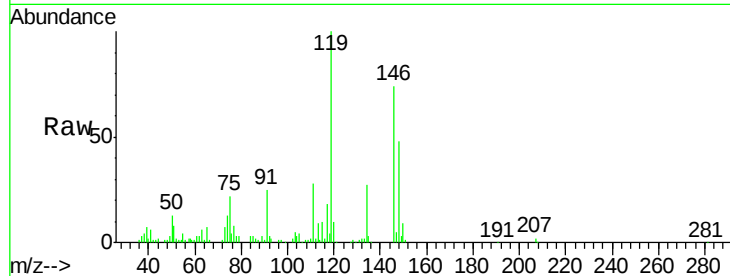
#87
 1,3-Dichlorobenzene
 Concen: 5.54 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.0	57.0
148	65.7	32.5	97.5

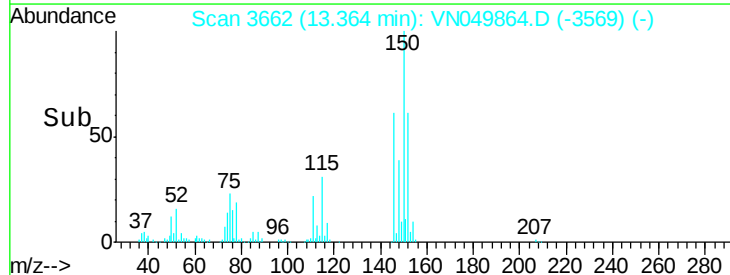
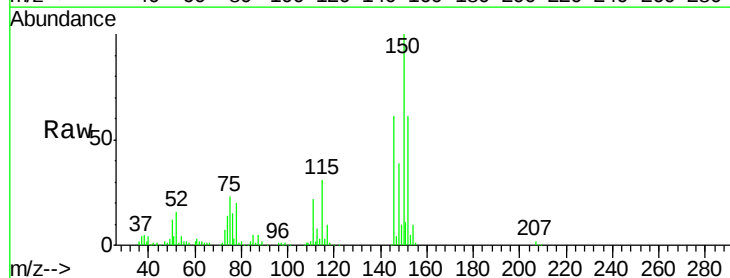
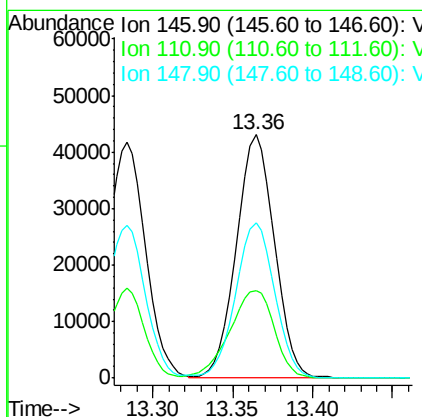
Manual Integrations
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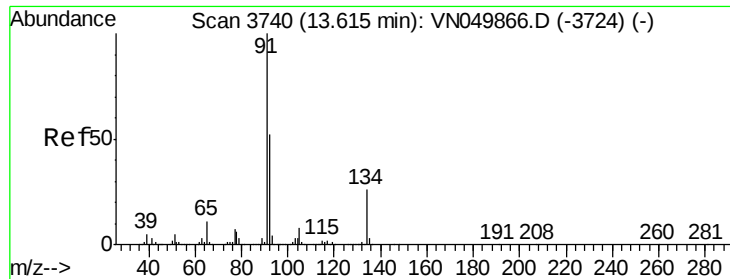
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#88
 1,4-Dichlorobenzene
 Concen: 5.71 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	18.9	56.5
148	65.8	32.1	96.3





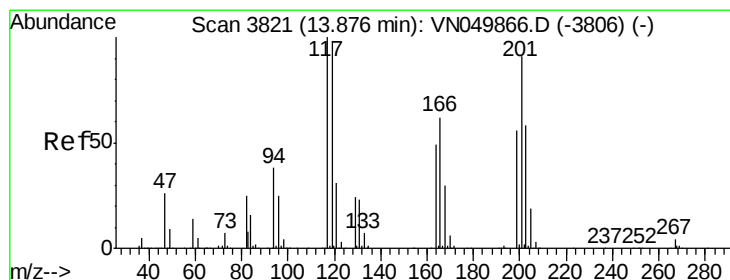
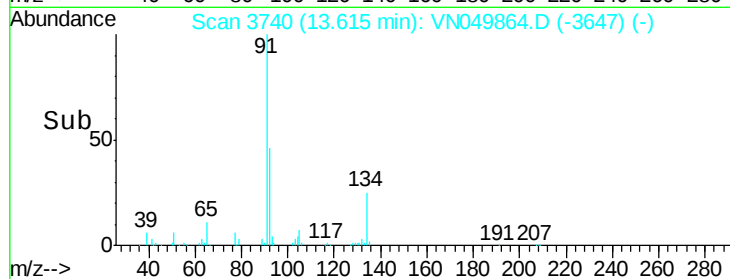
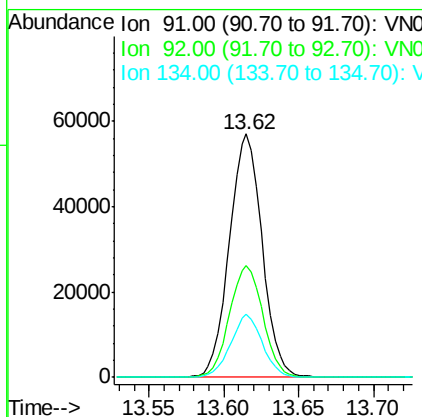
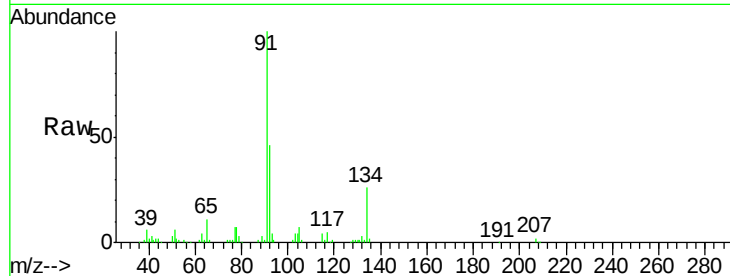
#89
n-Butylbenzene
Concen: 5.15 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	46.5	25.8	77.3
134	24.8	13.0	38.9

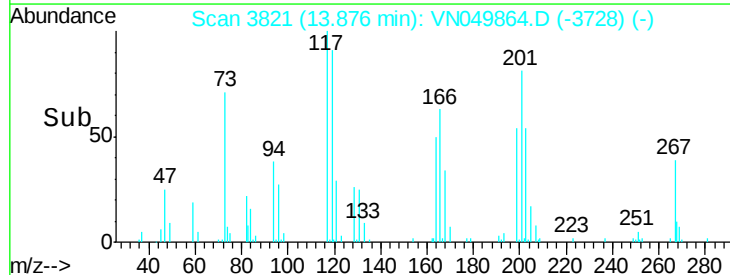
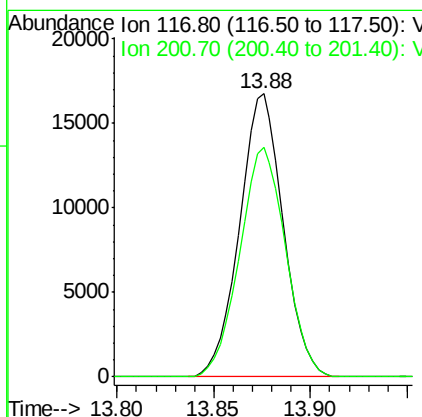
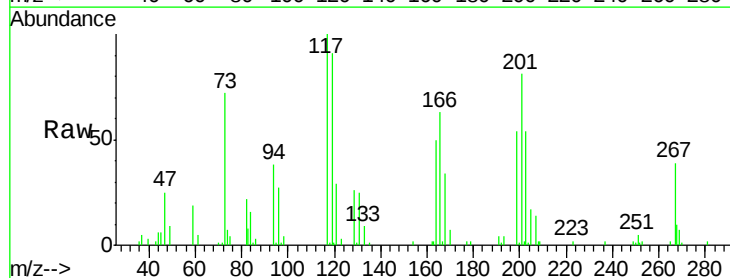
Manual Integrations
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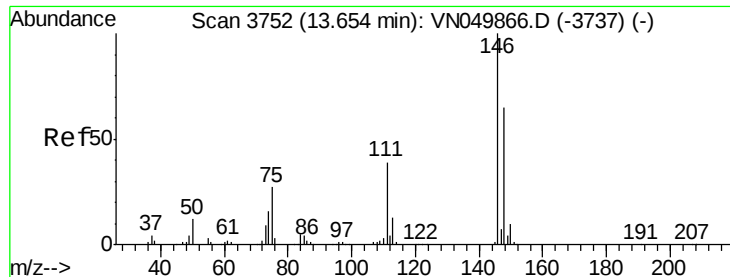
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#90
Hexachloroethane
Concen: 5.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049864.D
Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	45.3	135.8





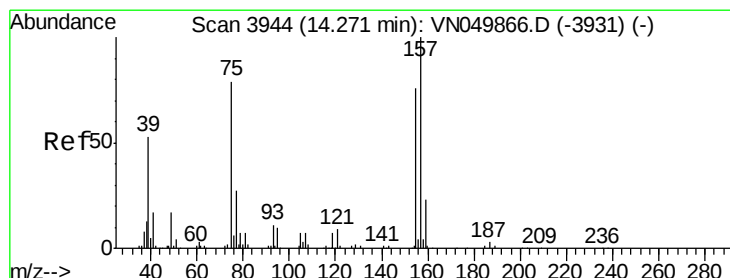
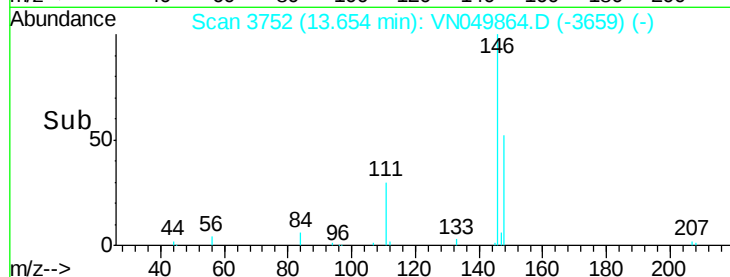
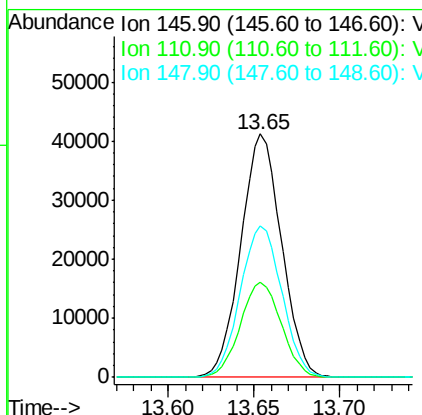
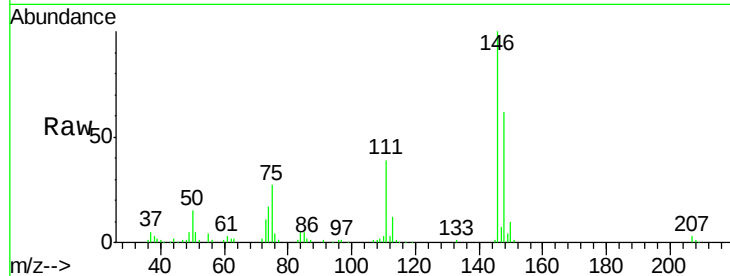
#91
 1,2-Dichlorobenzene
 Concen: 5.34 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	63.4	32.0	96.2

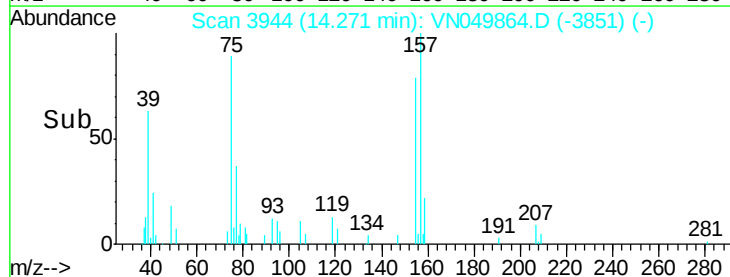
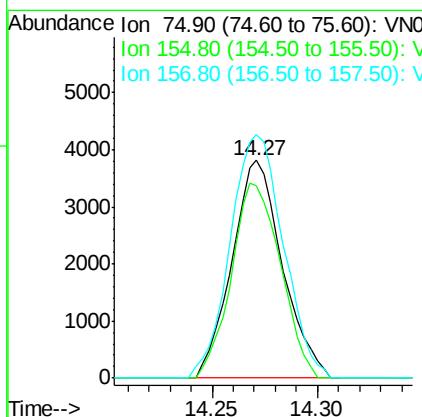
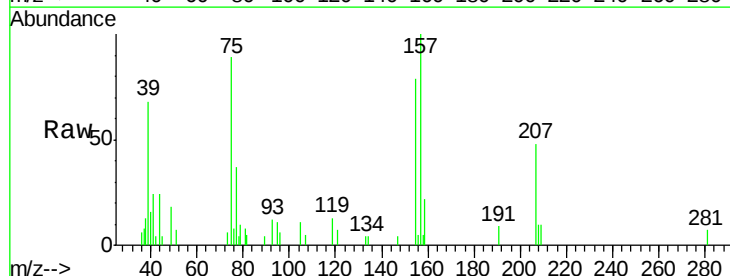
Manual Integrations
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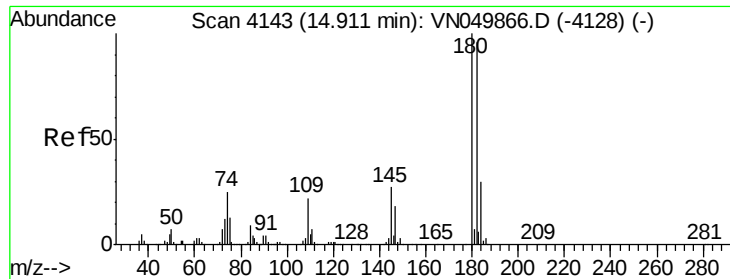
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.46 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	45.7	137.1
157	117.8	56.9	170.7





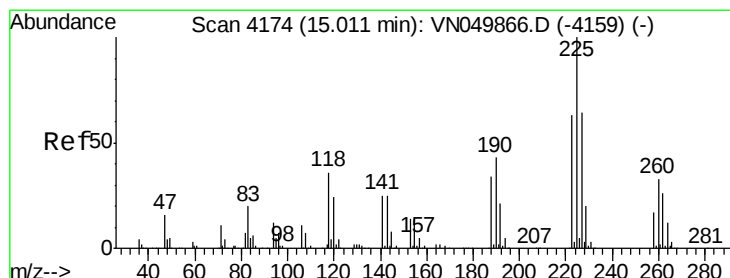
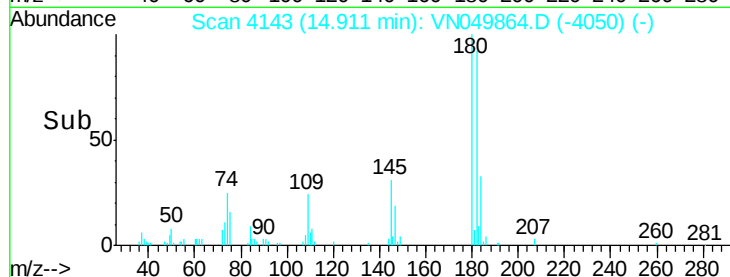
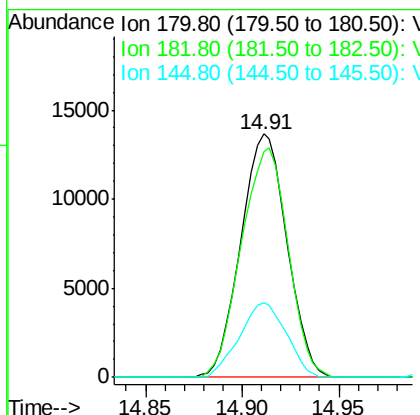
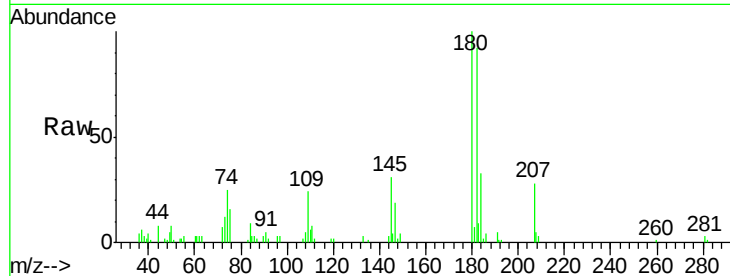
#93
 1,2,4-Trichlorobenzene
 Concen: 4.02 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	22655		
182	95.4	47.3	141.9	
145	31.1	14.4	43.0	

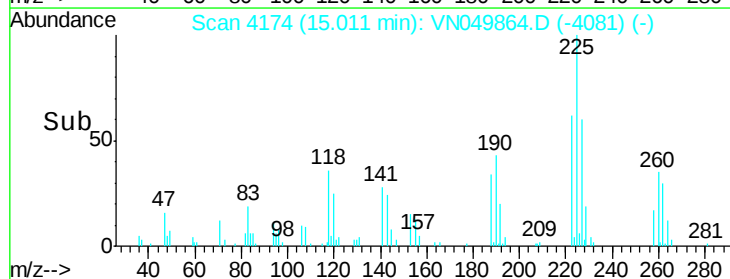
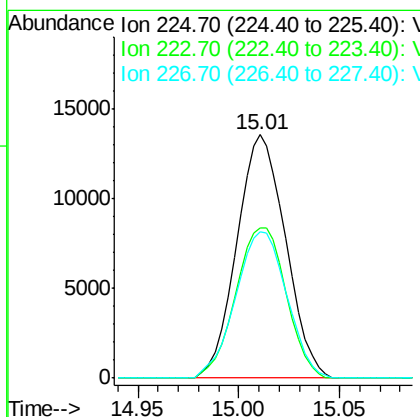
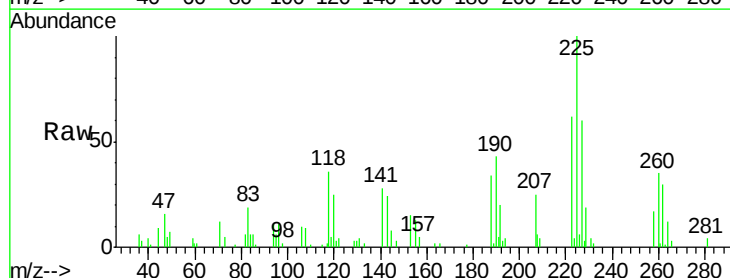
Manual Integrations
 APPROVED

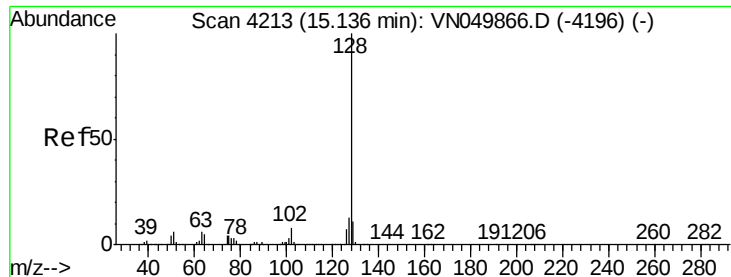
MMDadoda
 7/19/2018 4:28:52 PM



#94
 Hexachlorobutadiene
 Concen: 5.80 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049864.D
 Acq: 18 Jul 2018 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22937		
223	63.8	30.9	92.7	
227	63.2	31.8	95.4	





#95

Naphthalene

Concen: 3.11 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Instrument :

MSVOA_N

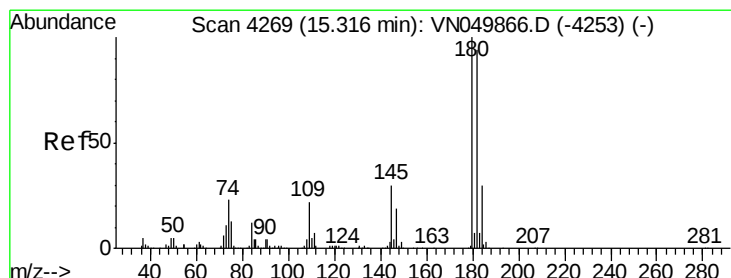
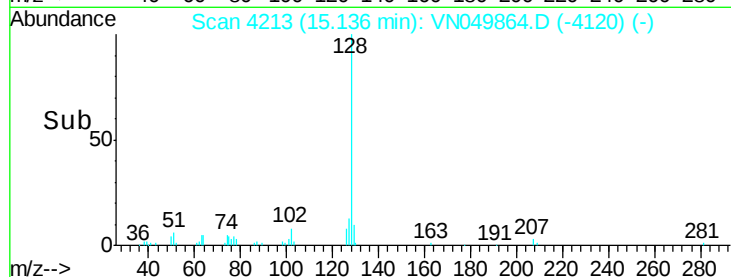
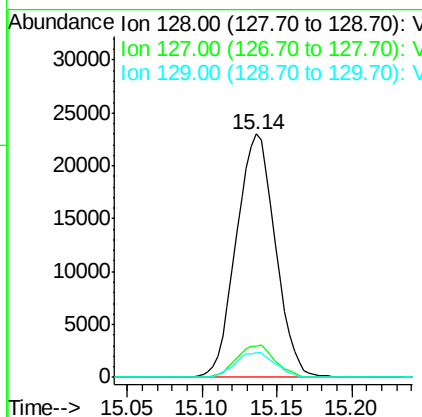
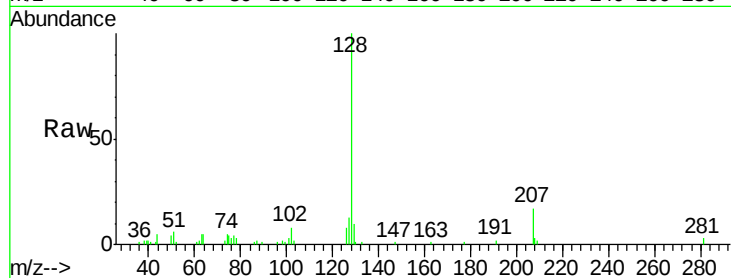
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	41796
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.2	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 4.19 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049864.D

Acq: 18 Jul 2018 10:43

Tgt Ion:	180	Resp:	24982
Ion Ratio	Lower	Upper	
180	100		
182	91.9	47.4	142.2
145	31.0	15.2	45.6

