

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049664.D
 Acq On : 2 Jul 2018 13:00
 Operator : MD\SY
 Sample : VN0702WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Manual Integrations
 APPROVED

sam
 7/3/2018 3:51:31 PM

Quant Time: Jul 03 04:04:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1272209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1929809	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1741919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	916065	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	842481	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	7.59	113	708724	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	10.09	98	2718095	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.40	95	932040	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	277459	19.35	ug/l	98
3) Chloromethane	2.06	50	361934	20.21	ug/l	98
4) Vinyl Chloride	2.18	62	375874	19.54	ug/l	99
5) Bromomethane	2.56	94	199055	19.70	ug/l	99
6) Chloroethane	2.70	64	240140	19.73	ug/l	98
7) Trichlorofluoromethane	3.01	101	454854	20.70	ug/l	100
8) Diethyl Ether	3.41	74	181738	20.41	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	313945	19.86	ug/l	99
10) Methyl Iodide	3.95	142	442981	22.39	ug/l	99
11) Tert butyl alcohol	4.80	59	116264	120.59	ug/l	99
12) 1,1-Dichloroethene	3.73	96	281765	18.86	ug/l	98
13) Acrolein	3.61	56	76738	85.21	ug/l	96
14) Allyl chloride	4.32	41	444624	21.66	ug/l	99
15) Acrylonitrile	4.99	53	555322	111.52	ug/l	99
16) Acetone	3.82	43	415367	118.92	ug/l	100
17) Carbon Disulfide	4.05	76	842503	20.27	ug/l	99
18) Methyl Acetate	4.33	43	321712	18.14	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	820336	21.30	ug/l	99
20) Methylene Chloride	4.55	84	351791	20.33	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	303292	19.72	ug/l	99
22) Diisopropyl ether	5.96	45	956821	20.60	ug/l	99
23) Vinyl Acetate	5.90	43	3118228	103.55	ug/l	100
24) 1,1-Dichloroethane	5.85	63	578736	19.78	ug/l	99
25) 2-Butanone	6.84	43	630593	113.06	ug/l	97
26) 2,2-Dichloropropane	6.82	77	476003	19.59	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	344509	20.05	ug/l	100
28) Bromochloromethane	7.20	49	246080	19.82	ug/l	99
29) Tetrahydrofuran	7.22	42	415535	116.89	ug/l	100
30) Chloroform	7.37	83	594092	19.92	ug/l	99
31) Cyclohexane	7.65	56	510081	19.89	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	501703	19.87	ug/l	98
36) 1,1-Dichloropropene	7.79	75	433592	19.97	ug/l	100
37) Ethyl Acetate	6.93	43	286097	22.59	ug/l	99
38) Carbon Tetrachloride	7.77	117	409307	19.38	ug/l	98

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sam
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Quant Time: Jul 03 04:04:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	471059	19.79	ug/l	98
40) Benzene	8.04	78	1329282	20.05	ug/l	99
41) Methacrylonitrile	7.18	41	159950	22.41	ug/l #	91
42) 1,2-Dichloroethane	8.13	62	424982	20.09	ug/l	99
43) Isopropyl Acetate	8.17	43	524425	20.51	ug/l	99
44) Trichloroethene	8.84	130	386900	19.35	ug/l	99
45) 1,2-Dichloropropane	9.12	63	349342	20.40	ug/l	99
46) Dibromomethane	9.21	93	214490	20.70	ug/l	98
47) Bromodichloromethane	9.40	83	446229	20.23	ug/l	99
48) Methyl methacrylate	9.20	41	246203	21.88	ug/l	99
49) 1,4-Dioxane	9.20	88	67858	448.53	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1397382	112.55	ug/l	99
52) Toluene	10.16	92	815889	20.37	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	422676	20.01	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	501474	20.31	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	304208	20.40	ug/l	98
56) Ethyl methacrylate	10.43	69	379203	21.69	ug/l	100
57) 1,3-Dichloropropane	10.71	76	506605	20.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	781904	92.93	ug/l	99
59) 2-Hexanone	10.75	43	943801	114.96	ug/l	98
60) Dibromochloromethane	10.90	129	333380	20.68	ug/l	100
61) 1,2-Dibromoethane	11.01	107	294886	20.64	ug/l	100
64) Tetrachloroethene	10.63	164	461693	19.57	ug/l	99
65) Chlorobenzene	11.44	112	882291	19.42	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	323982	19.84	ug/l	99
67) Ethyl Benzene	11.51	91	1469743	19.57	ug/l	100
68) m/p-Xylenes	11.62	106	1171356	40.69	ug/l	100
69) o-Xylene	11.95	106	563121	20.43	ug/l	97
70) Styrene	11.97	104	900899	20.20	ug/l	100
71) Bromoform	12.13	173	224100	20.66	ug/l #	99
73) Isopropylbenzene	12.25	105	1462892	20.05	ug/l	100
74) N-amyl acetate	12.07	43	416367	20.89	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	357778	22.85	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	302079m	20.56	ug/l	
77) Bromobenzene	12.53	156	384103	19.36	ug/l	99
78) n-propylbenzene	12.59	91	1690214	20.21	ug/l	99
79) 2-Chlorotoluene	12.68	91	1033682	19.53	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1256482	20.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	89673	20.73	ug/l	99
82) 4-Chlorotoluene	12.78	91	1051019	19.75	ug/l	100
83) tert-Butylbenzene	12.99	119	1055268	20.26	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1280832	20.56	ug/l	100
85) sec-Butylbenzene	13.17	105	1399634	20.28	ug/l	99
86) p-Isopropyltoluene	13.29	119	1251978	20.94	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	689477	20.18	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	666362	19.92	ug/l	99
89) n-Butylbenzene	13.62	91	985037	19.25	ug/l	100
90) Hexachloroethane	13.88	117	126981	20.22	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	682790	20.50	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58183	22.29	ug/l	98

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ClientSampleId :
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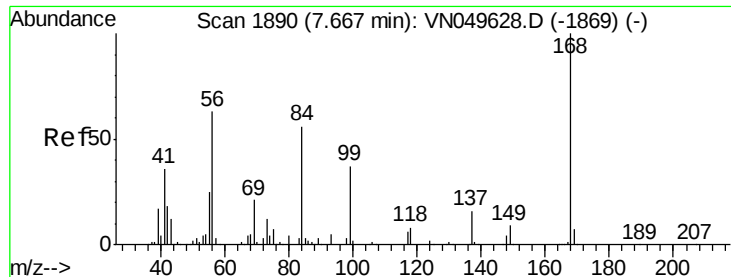
Manual Integrations
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7/3/2018 3:51:31 PM

Quant Time: Jul 03 04:04:40 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	280033	18.20	ug/l	99
94) Hexachlorobutadiene	15.01	225	214431	20.73	ug/l	99
95) Naphthalene	15.14	128	593107	18.69	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	289793	19.13	ug/l	100

(#) = 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: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion:168 Resp: 1272209

Ion Ratio Lower Upper

168 100

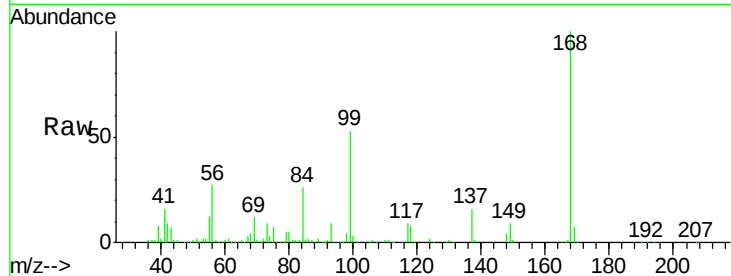
99 51.7 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

300000

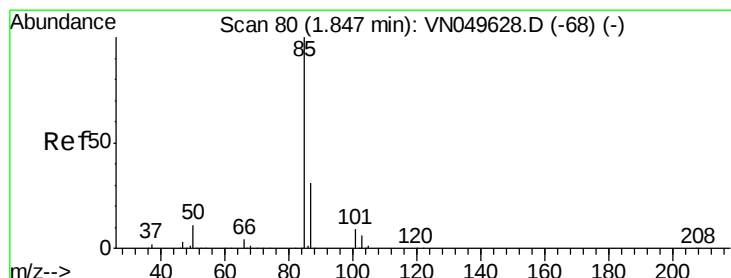
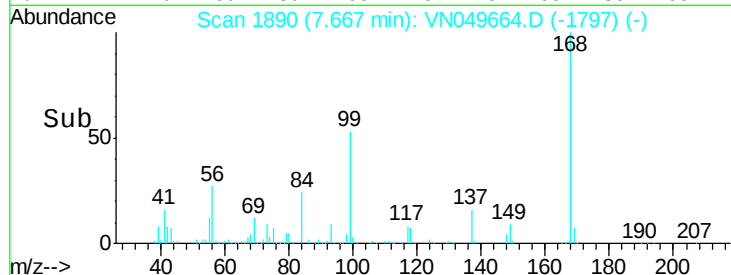
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.35 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049664.D

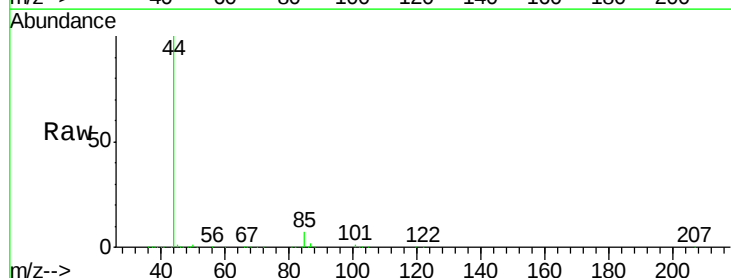
Acq: 2 Jul 2018 13:00

Tgt Ion: 85 Resp: 277459

Ion Ratio Lower Upper

85 100

87 31.7 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

200000

150000

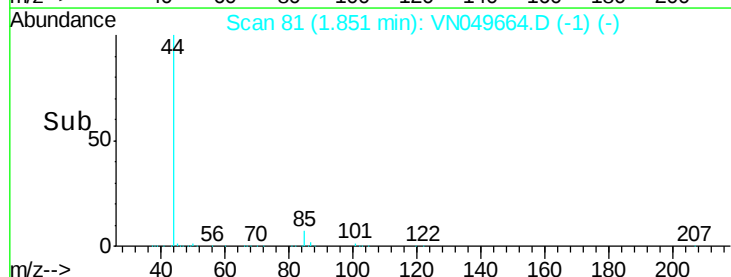
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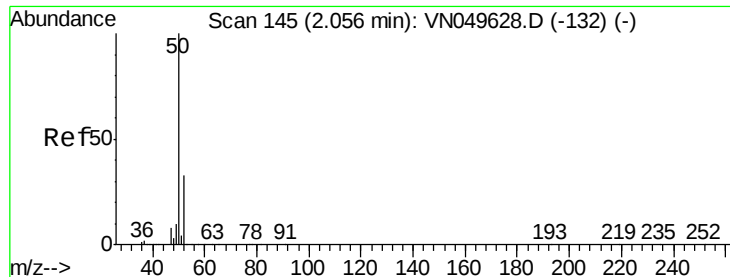
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion: 50 Resp: 361934

Ion Ratio Lower Upper

50 100

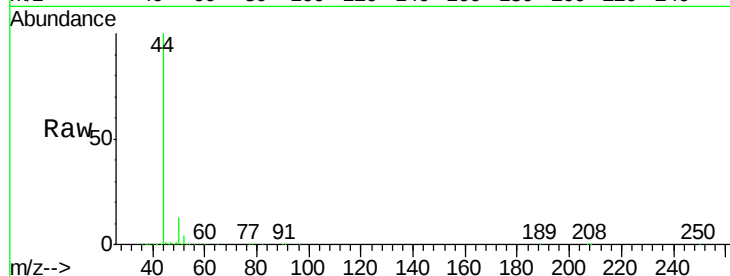
52 33.8 26.1 39.1

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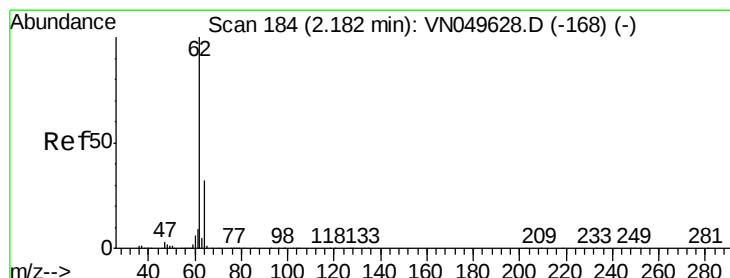
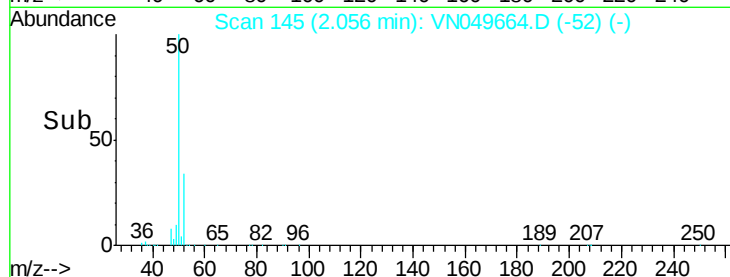
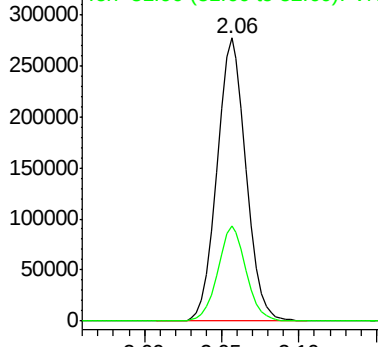
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.54 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049664.D

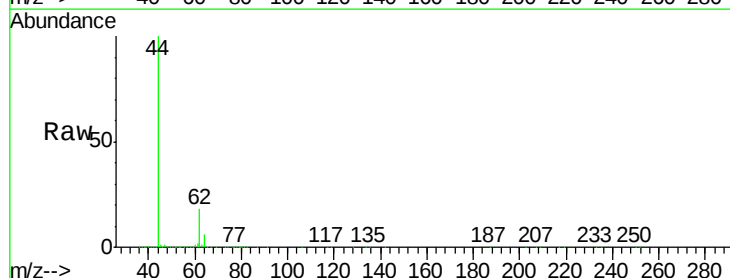
Acq: 2 Jul 2018 13:00

Tgt Ion: 62 Resp: 375874

Ion Ratio Lower Upper

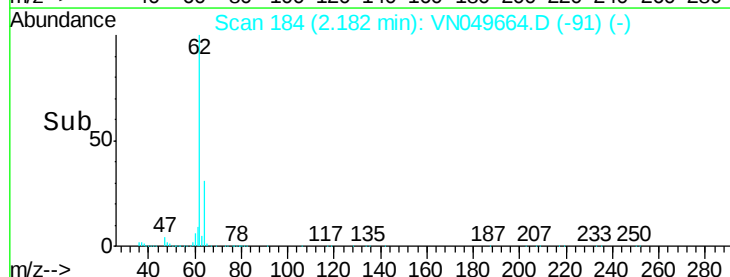
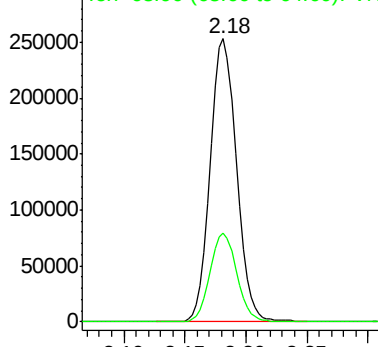
62 100

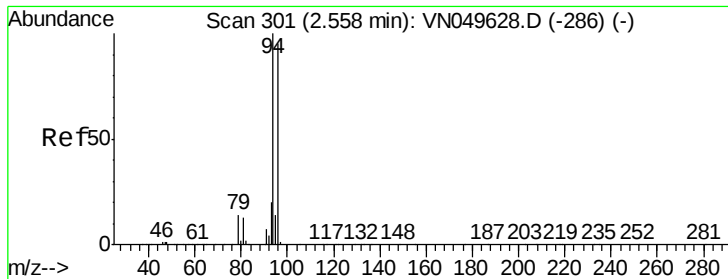
64 31.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.70 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion: 94 Resp: 199055

Ion Ratio Lower Upper

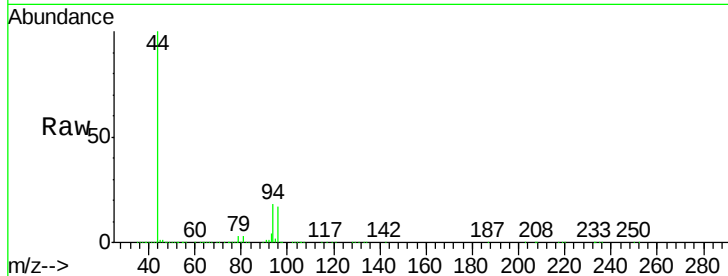
94 100

96 95.5 75.7 113.5

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

120000

100000

80000

60000

40000

20000

0

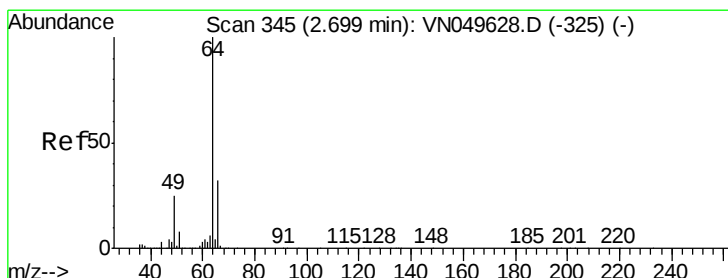
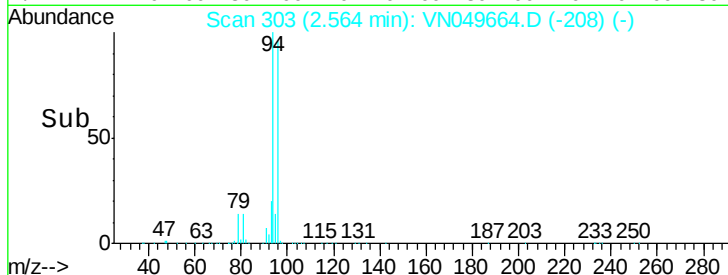
2.56

2.50

2.60

2.70

Time-->



#6

Chloroethane

Concen: 19.73 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049664.D

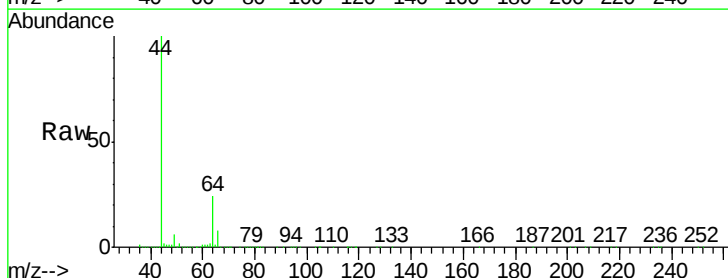
Acq: 2 Jul 2018 13:00

Tgt Ion: 64 Resp: 240140

Ion Ratio Lower Upper

64 100

66 30.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

100000

50000

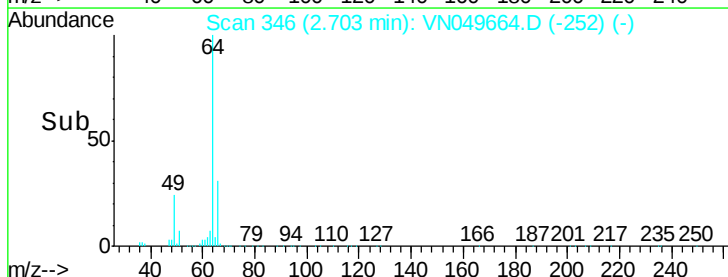
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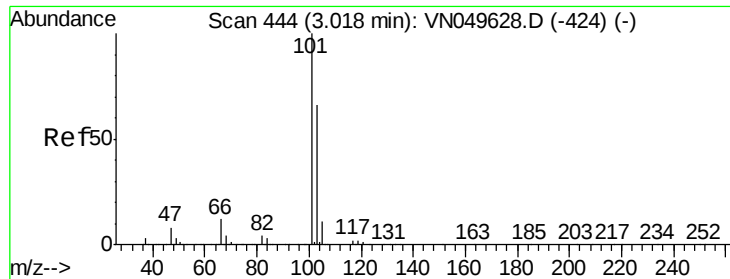
2.70

2.60

2.80

Time-->





#7

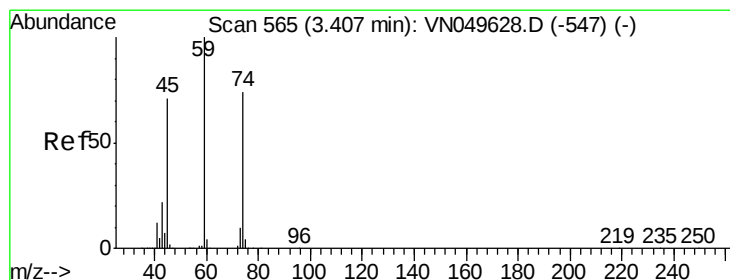
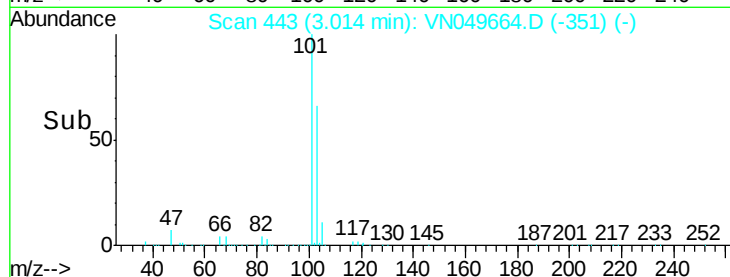
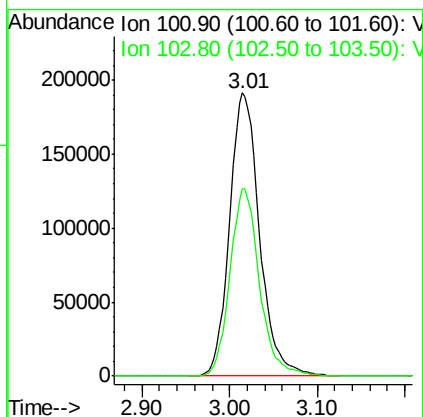
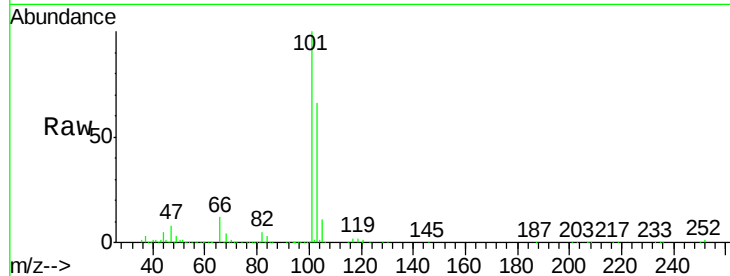
Trichlorofluoromethane
Concen: 20.70 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.8	79.2

Manual Integrations
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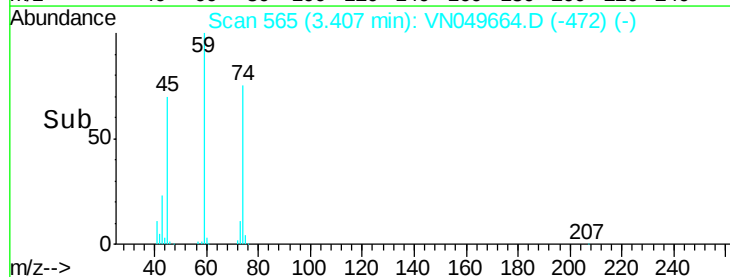
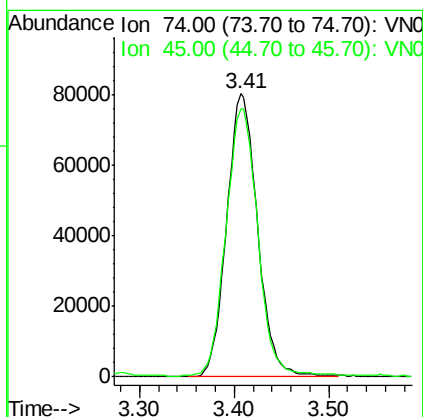
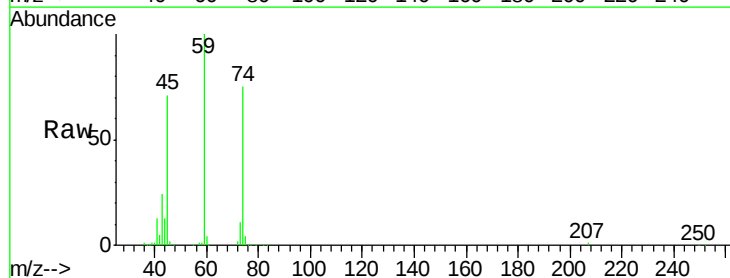
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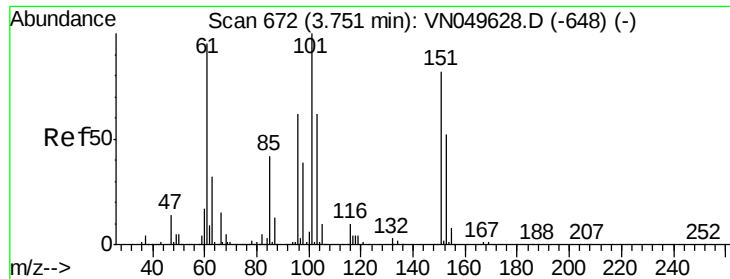


#8

Diethyl Ether
Concen: 20.41 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.86 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

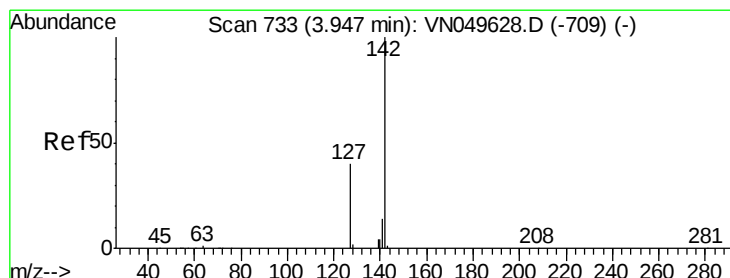
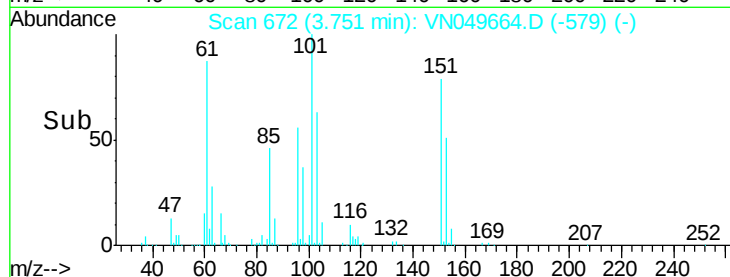
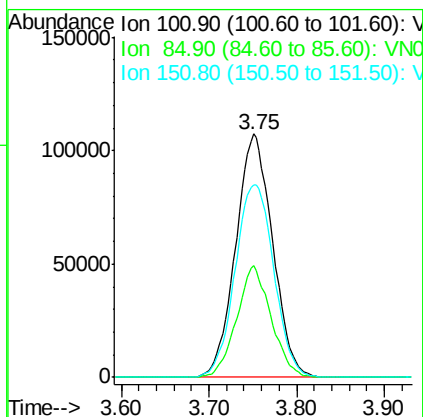
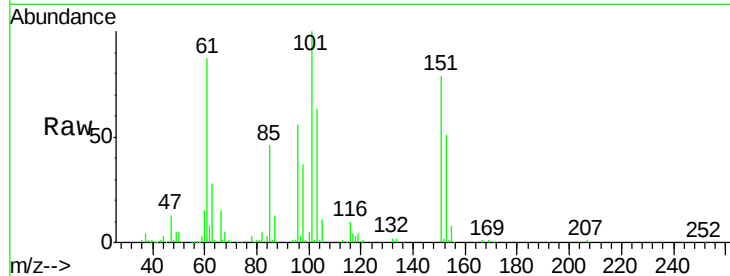
ClientSampleId :

VN0702WBSD01

Tot Ion:	101	Resp:	313945
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.4	51.6
151	83.4	66.2	99.4

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sam
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#10

Methyl Iodide

Concen: 22.39 ug/l

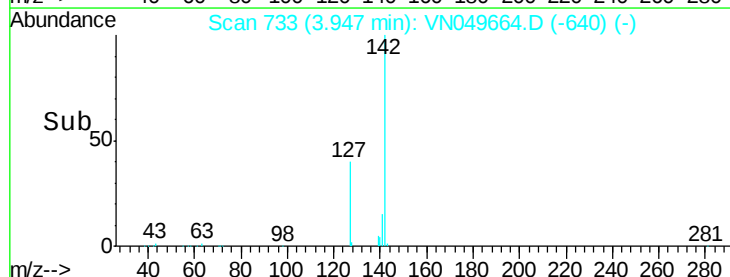
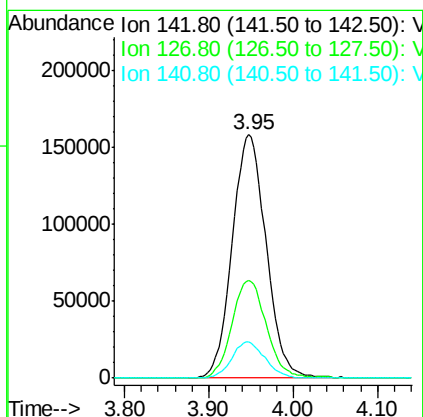
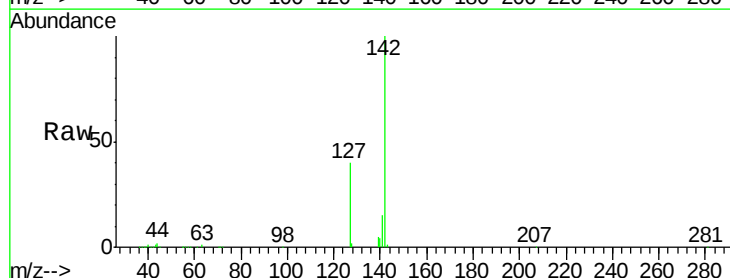
RT: 3.95 min Scan# 733

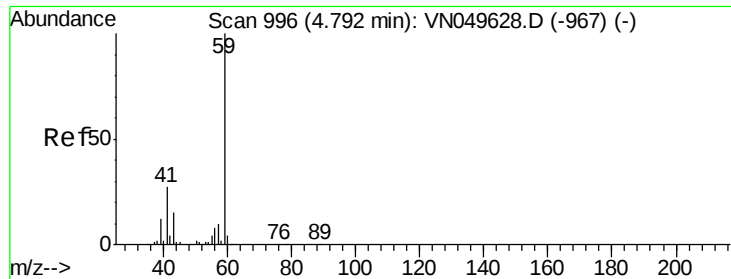
Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Tgt Ion:	142	Resp:	442981
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.5	48.7
141	14.6	11.1	16.7





#11

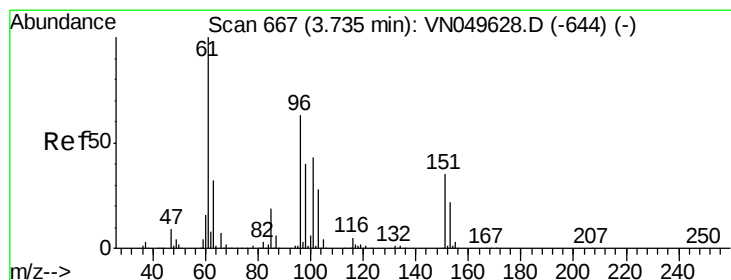
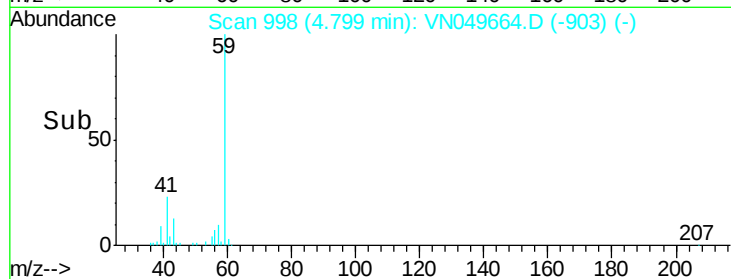
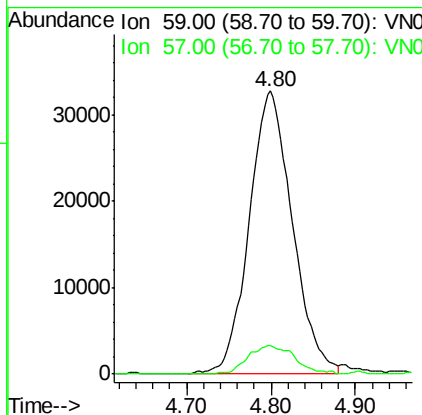
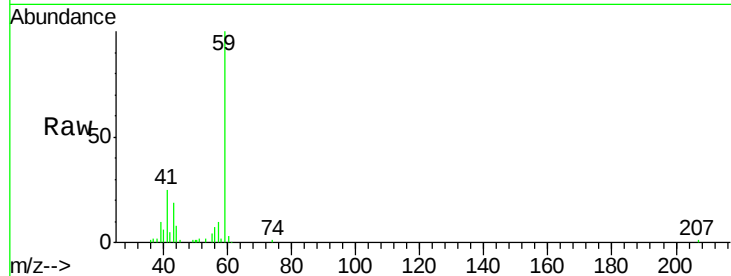
Tert butyl alcohol
Concen: 120.59 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.01 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

Tot Ion	59	Resp	116264
Ion Ratio	100	Lower	Upper
57	10.9	8.5	12.7

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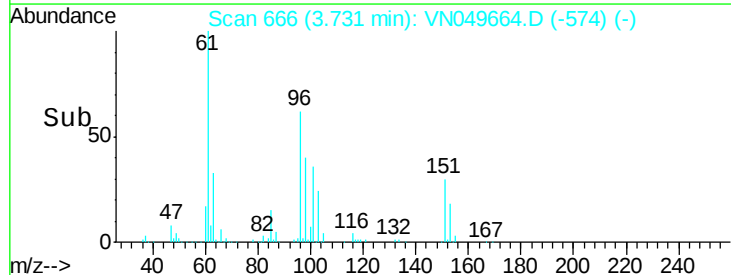
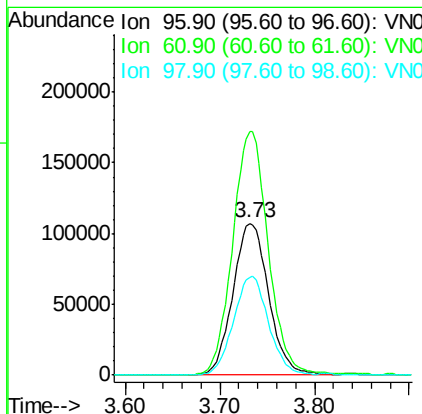
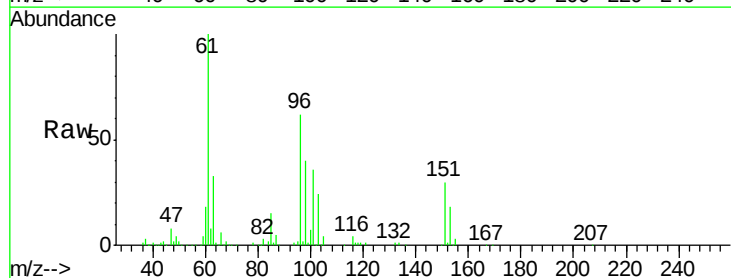
sam
7/3/2018 3:51:31 PM

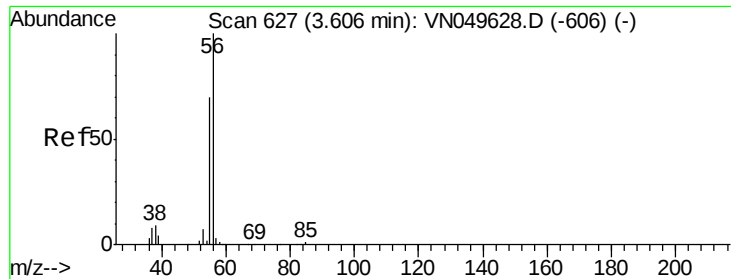


#12

1,1-Dichloroethene
Concen: 18.86 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	96	Resp	281765
Ion Ratio	100	Lower	Upper
61	160.8	126.5	189.7
98	64.7	51.0	76.6





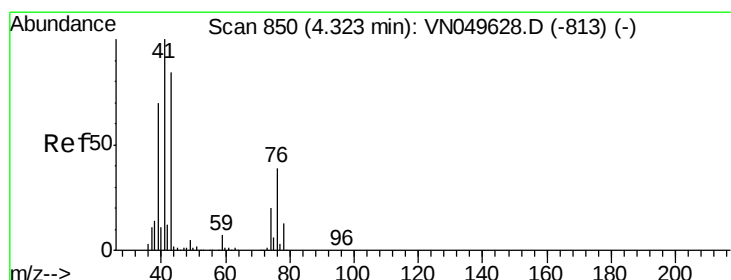
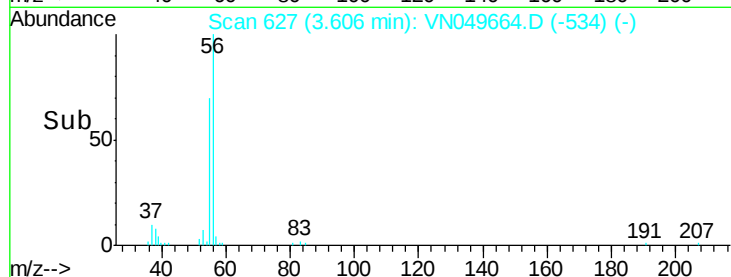
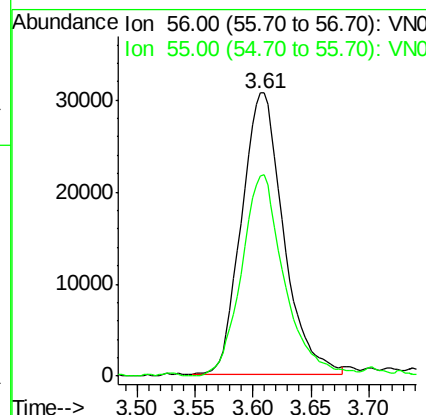
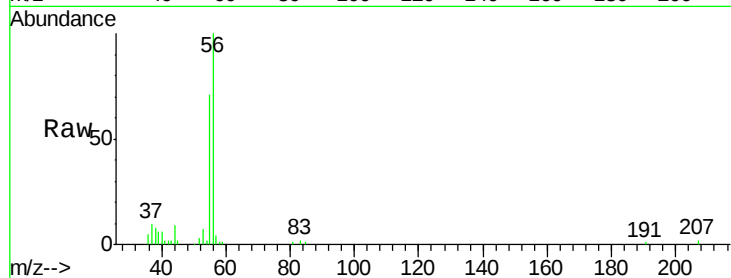
#13
 Acrolein
 Concen: 85.21 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Tot Ion	56	Resp	76738
Ion Ratio	100	Lower	Upper
55	73.3	55.8	83.8

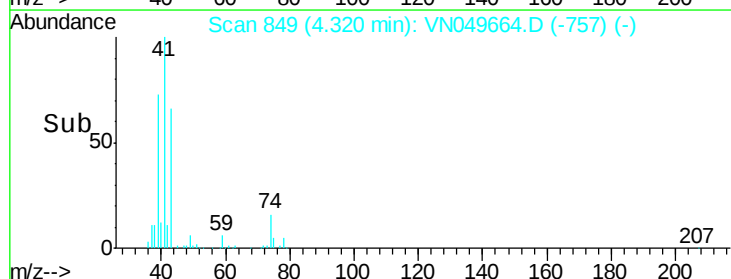
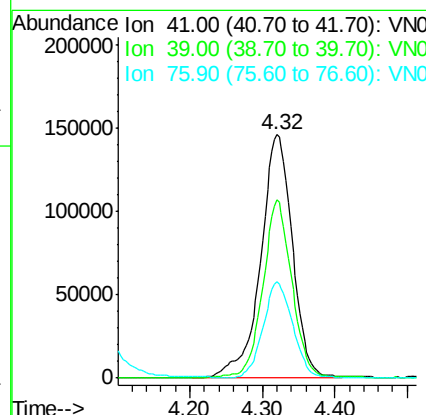
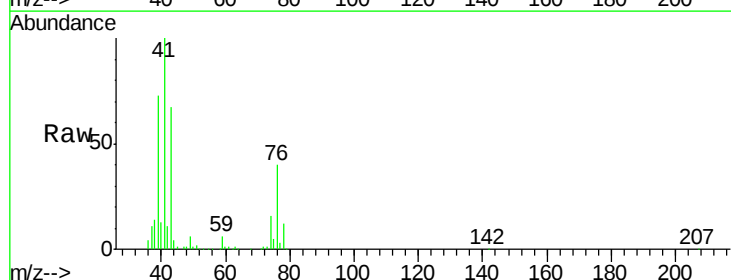
Manual Integrations
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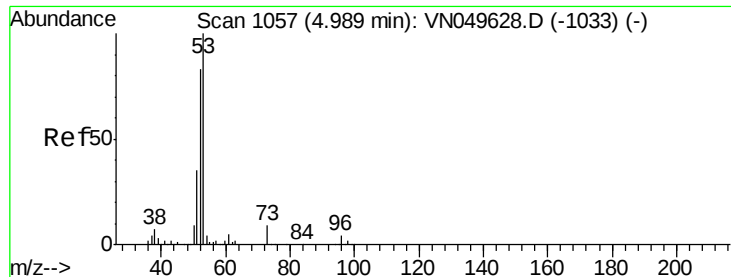
sam
 7/3/2018 3:51:31 PM



#14
 Allyl chloride
 Concen: 21.66 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	41	Resp	444624
Ion Ratio	100	Lower	Upper
39	67.6	53.2	79.8
76	36.4	29.0	43.6





#15

Acrylonitrile

Concen: 111.52 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

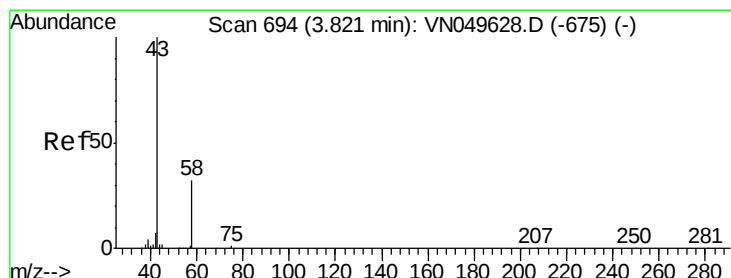
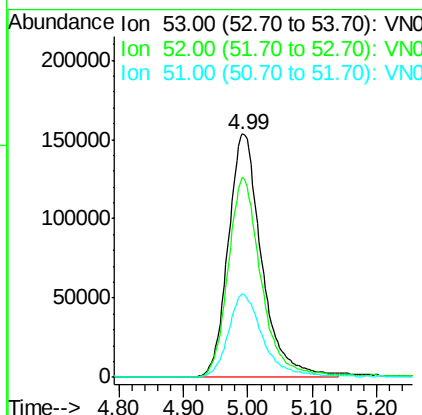
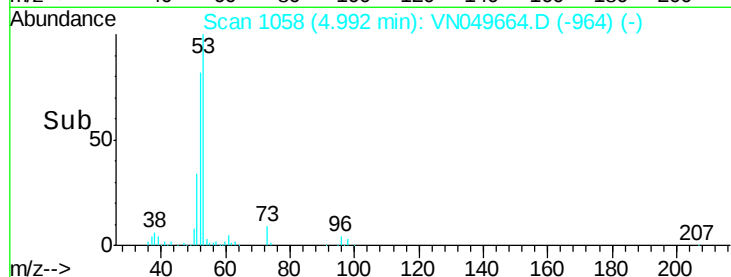
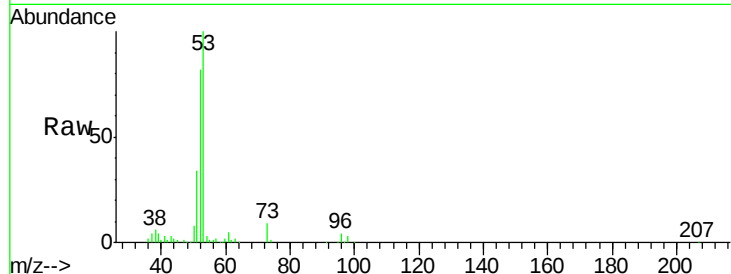
ClientSampled :

VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	79.8	64.8	97.2
51	35.4	28.9	43.3

Manual Integrations
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sam
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#16

Acetone

Concen: 118.92 ug/l

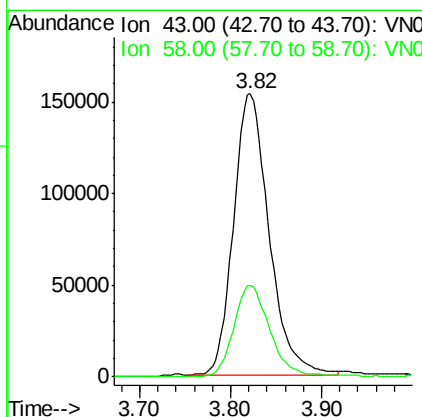
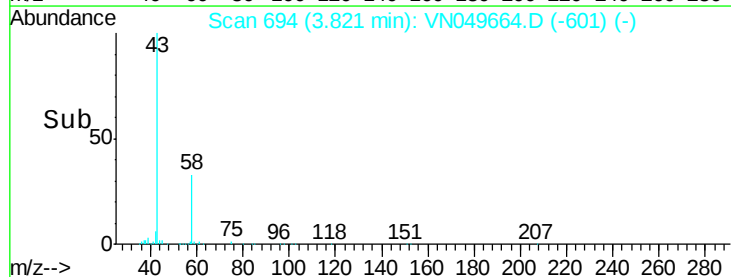
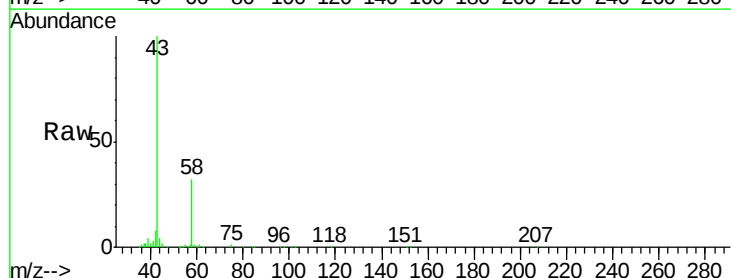
RT: 3.82 min Scan# 694

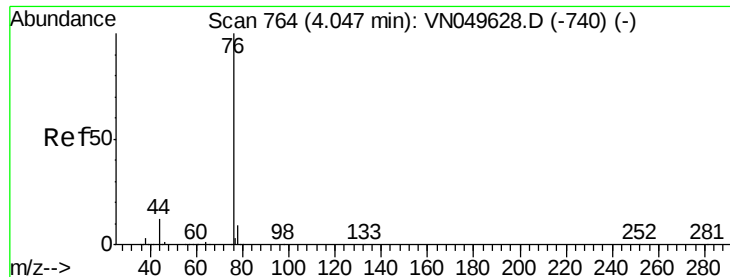
Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.9	38.9





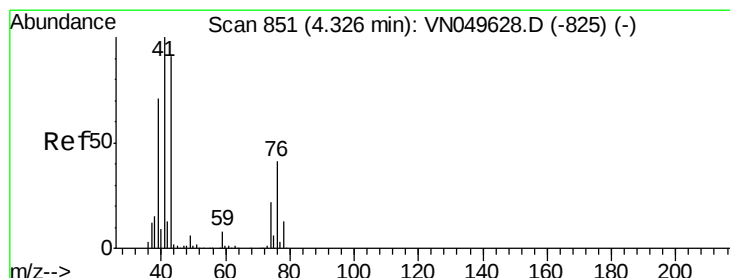
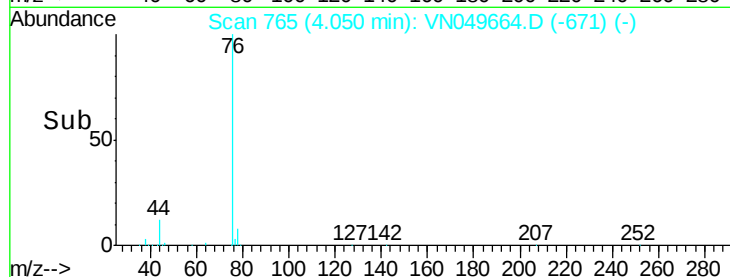
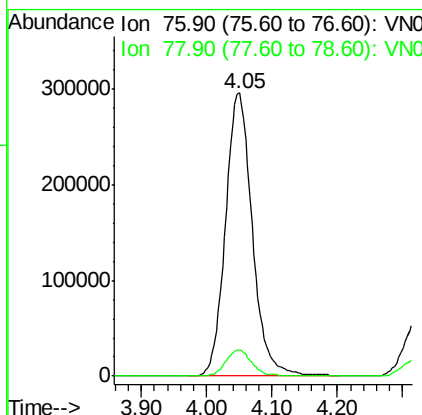
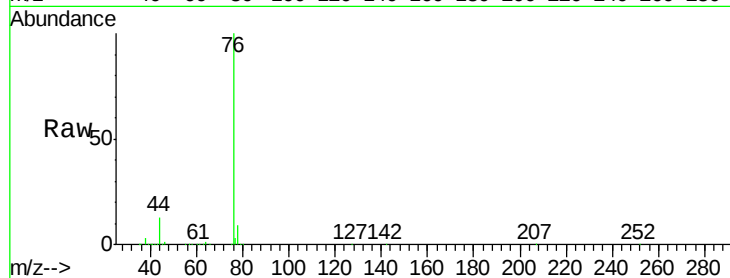
#17
Carbon Disulfide
Concen: 20.27 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

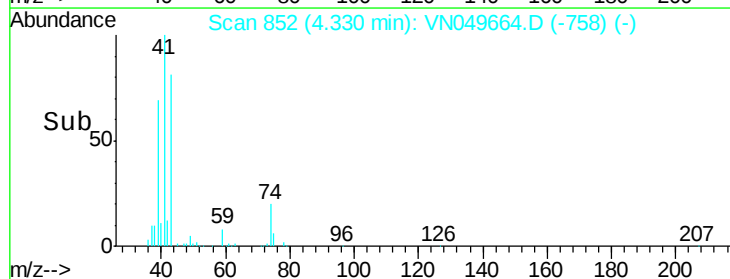
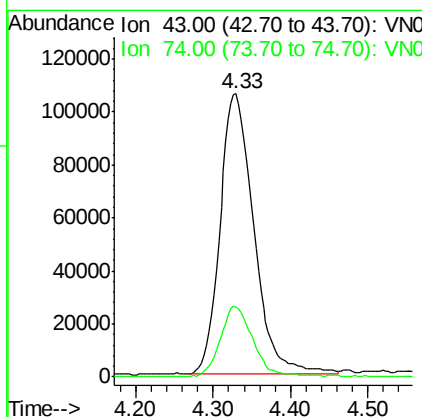
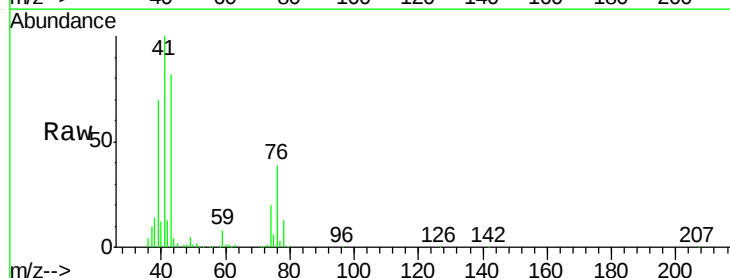
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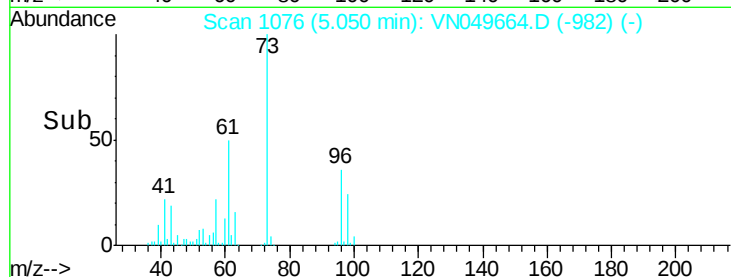
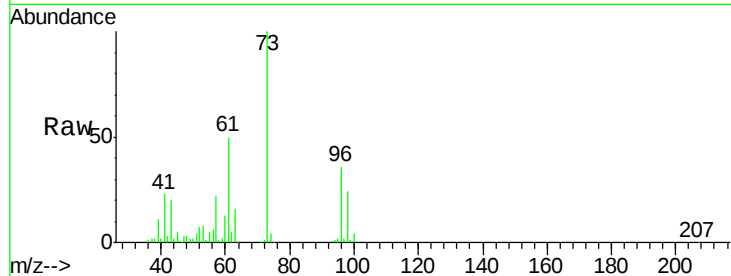
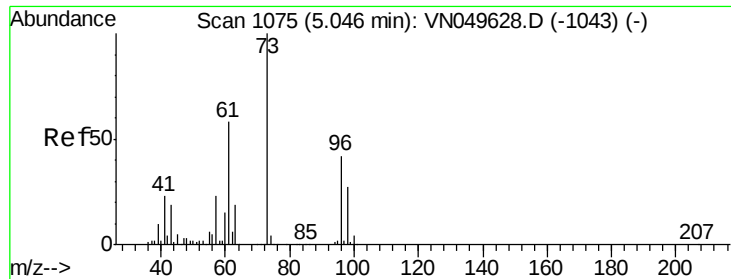
sam
7/3/2018 3:51:31 PM



#18
Methyl Acetate
Concen: 18.14 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.8	29.8





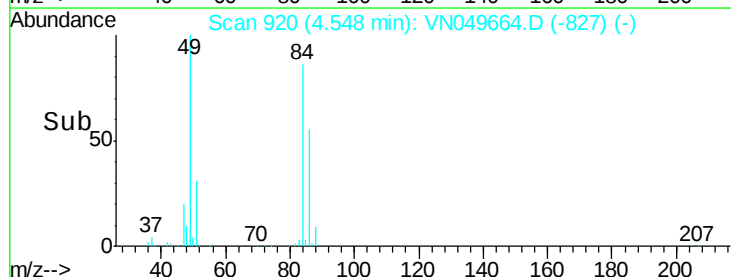
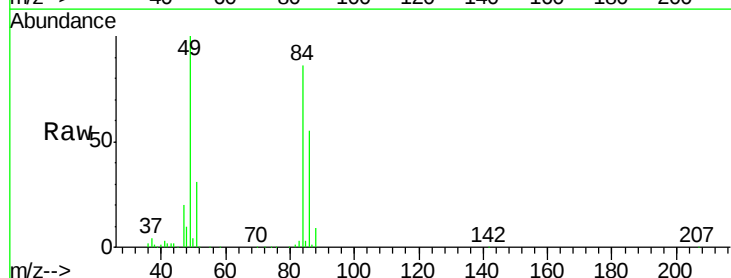
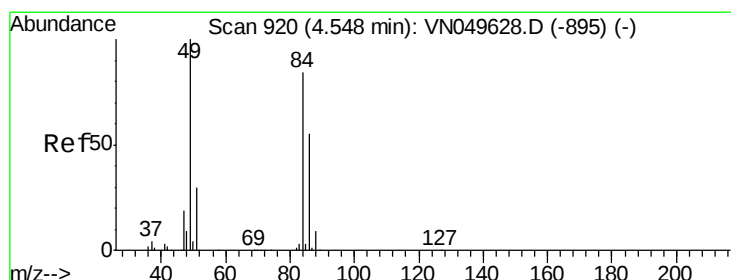
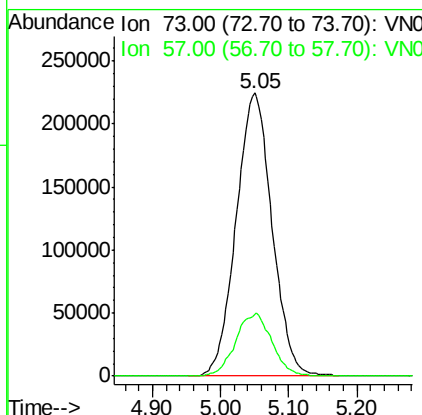
#19
Methvl tert-butvl Ether
Concen: 21.30 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tot Ion: 73 Resp: 820336
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

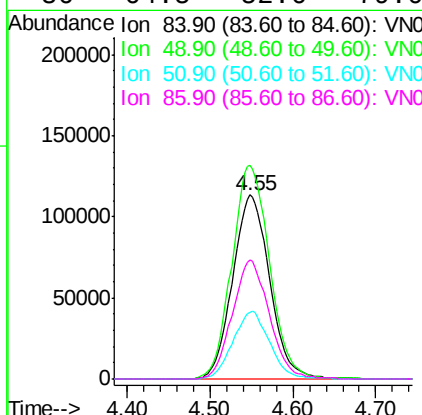
Manual Integrations
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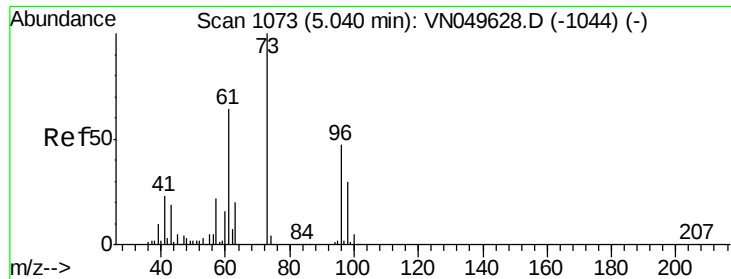
sam
7/3/2018 3:51:31 PM



#20
Methylene Chloride
Concen: 20.33 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 84 Resp: 351791
Ion Ratio Lower Upper
84 100
49 116.2 95.4 143.2
51 36.2 28.4 42.6
86 64.5 52.6 79.0





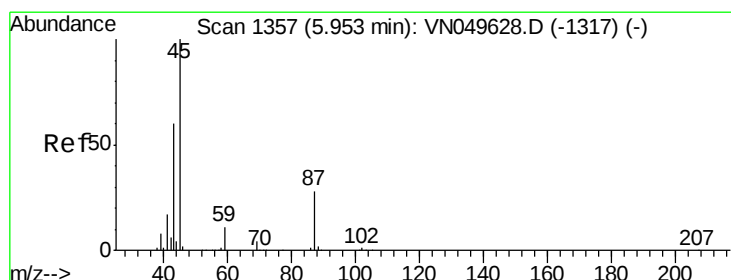
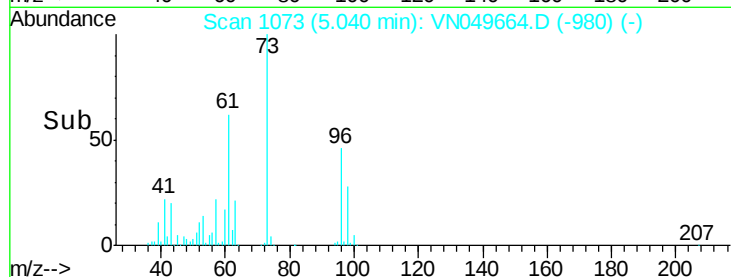
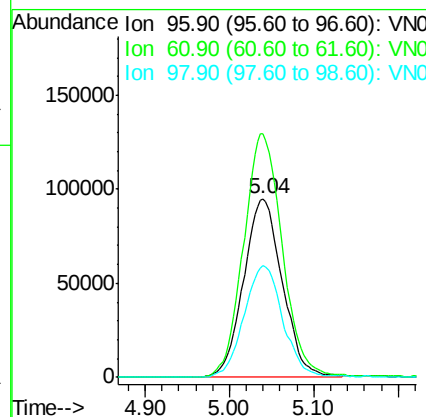
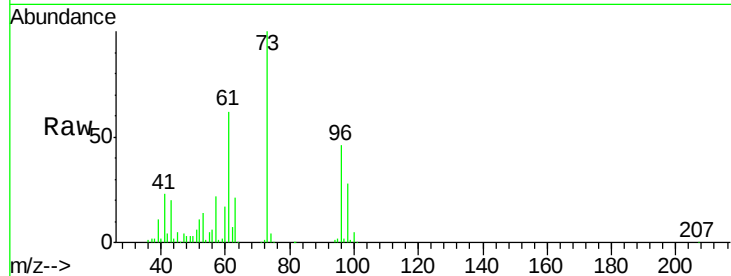
#21
trans-1,2-Dichloroethene
Concen: 19.72 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	109.0	163.6
98	62.5	51.1	76.7

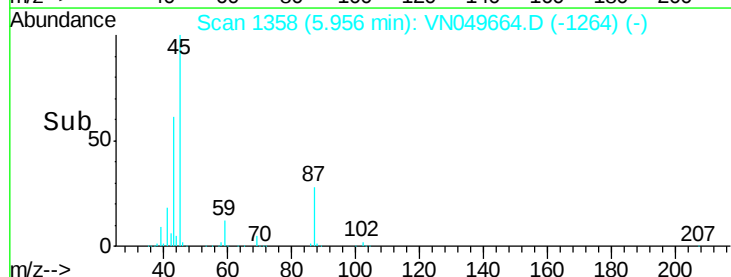
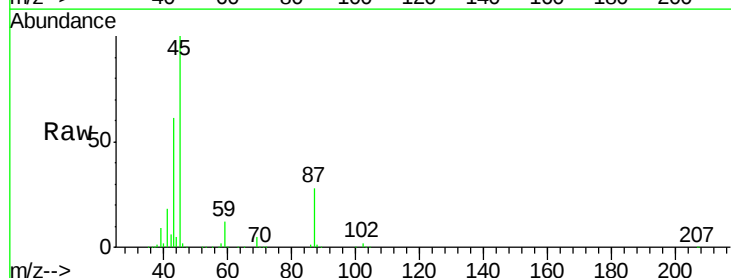
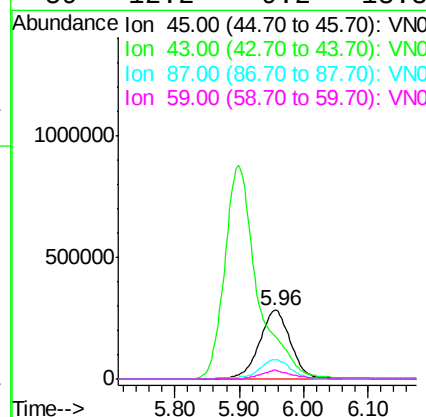
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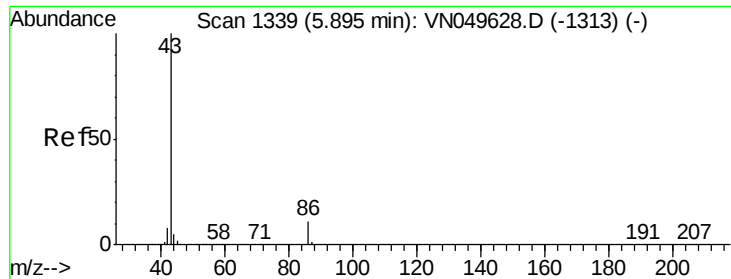
sam
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#22
Diisopropyl ether
Concen: 20.60 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	48.1	72.1
87	27.6	22.6	34.0
59	12.2	9.2	13.8





#23

Vinyl Acetate

Concen: 103.55 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampled :

VN0702WBSD01

Tot Ion: 43 Resp: 3118228

Ion Ratio Lower Upper

43 100

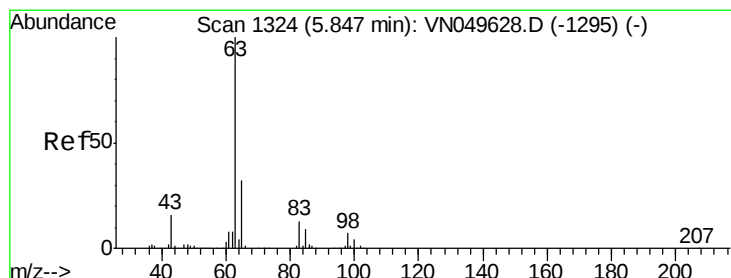
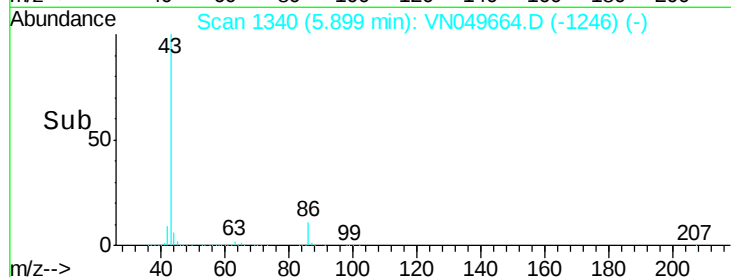
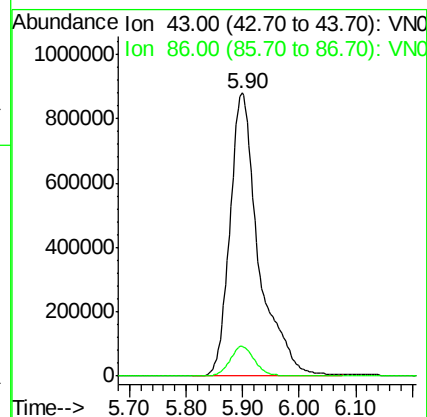
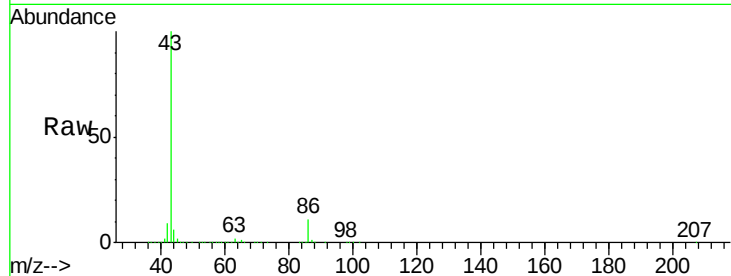
86 10.6 8.4 12.6

Manual Integrations

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sam

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#24

1,1-Dichloroethane

Concen: 19.78 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

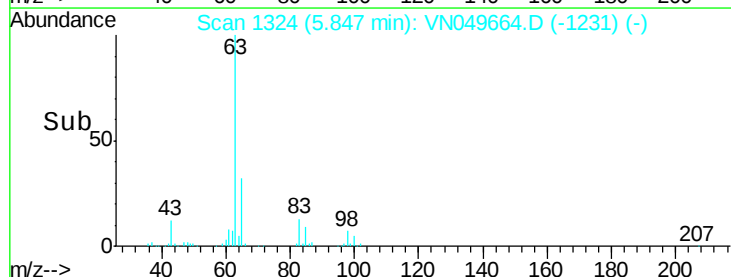
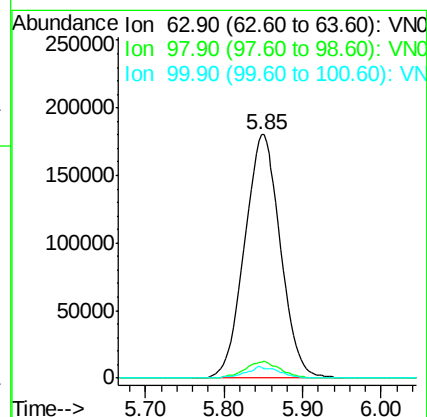
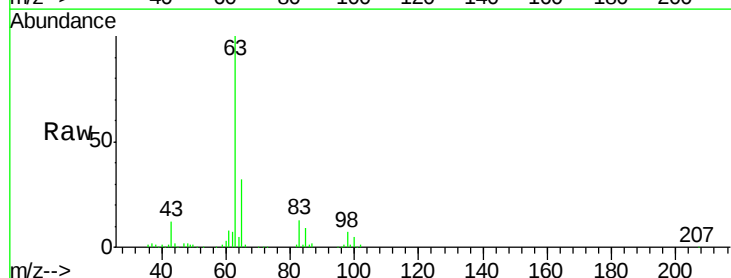
Tgt Ion: 63 Resp: 578736

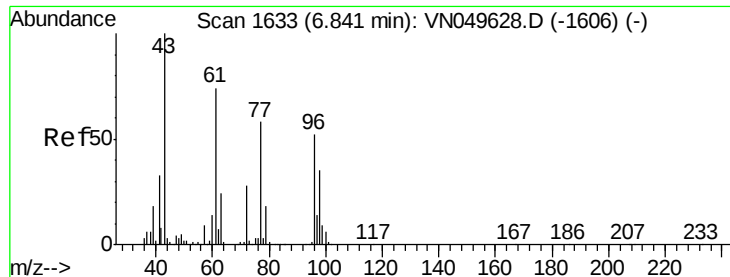
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 113.06 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion: 43 Resp: 630593

Ion Ratio Lower Upper

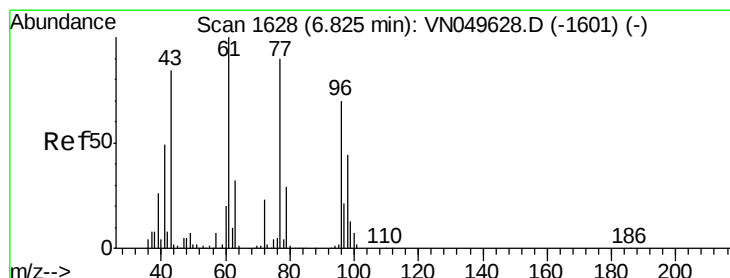
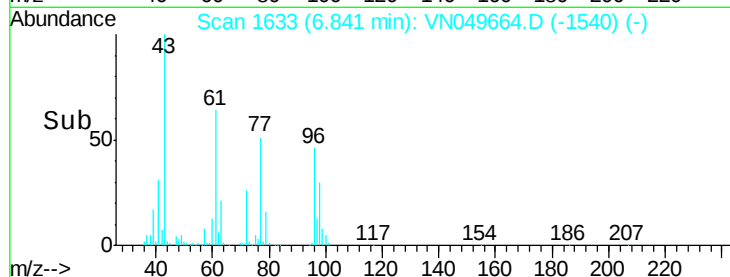
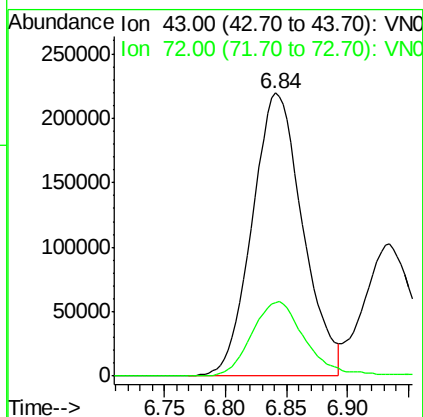
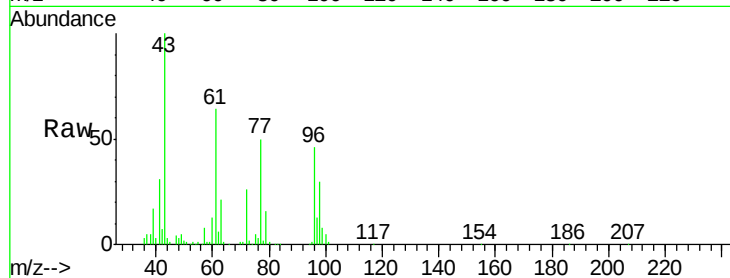
43 100

72 26.2 22.1 33.1

Manual Integrations
APPROVED

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#26

2,2-Dichloropropane

Concen: 19.59 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049664.D

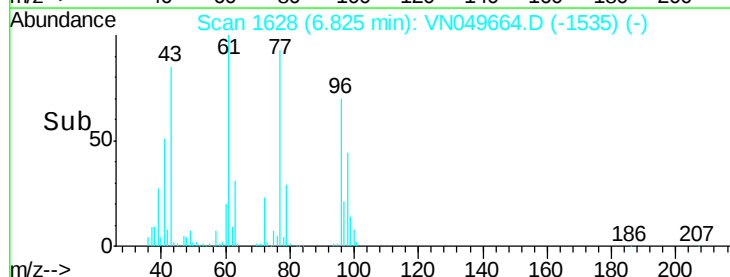
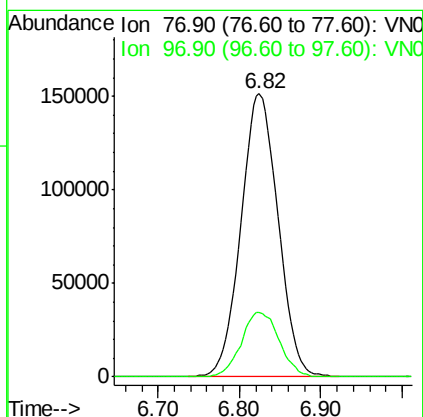
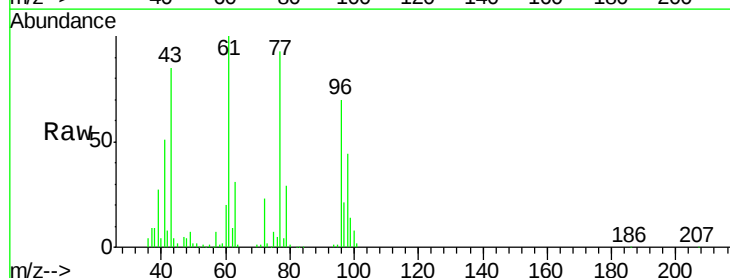
Acq: 2 Jul 2018 13:00

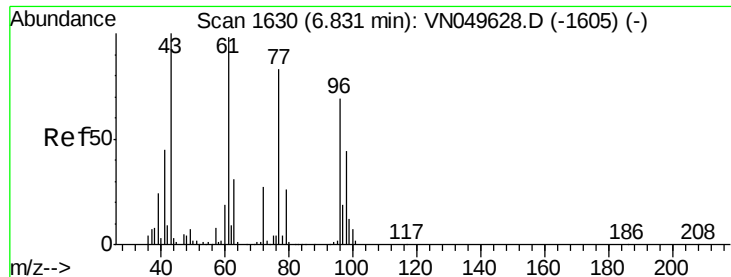
Tgt Ion: 77 Resp: 476003

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.05 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

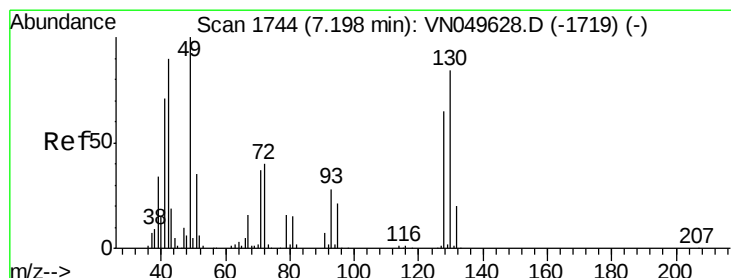
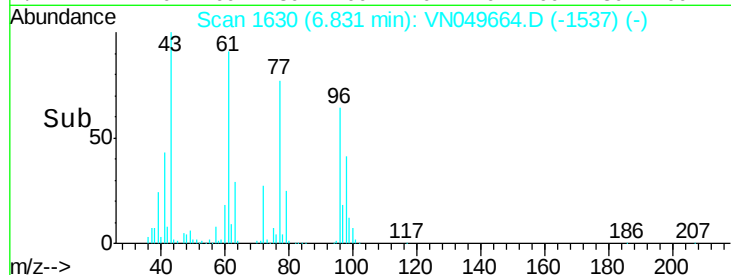
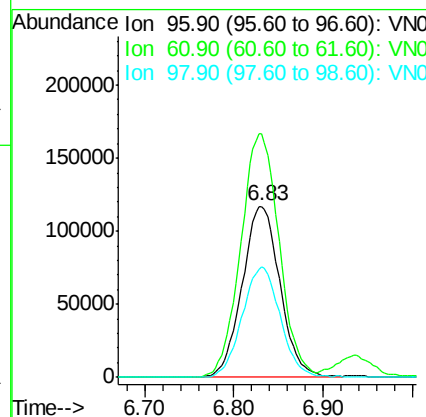
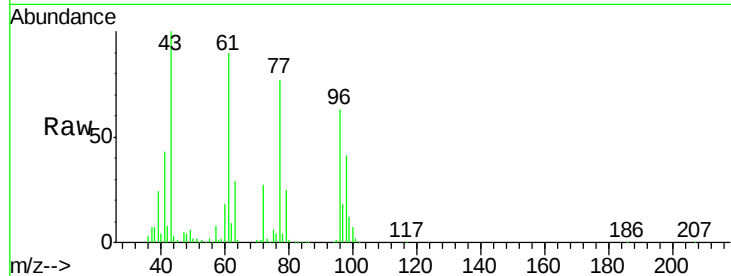
ClientSampleId :

VN0702WBSD01

Tot Ion:	96	Resp:	344509
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	289.0
98	64.9	0.0	130.2

Manual Integrations
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sam
7/3/2018 3:51:31 PM



#28

Bromochloromethane

Concen: 19.82 ug/l

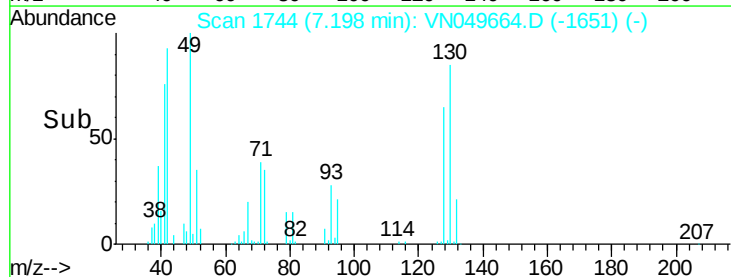
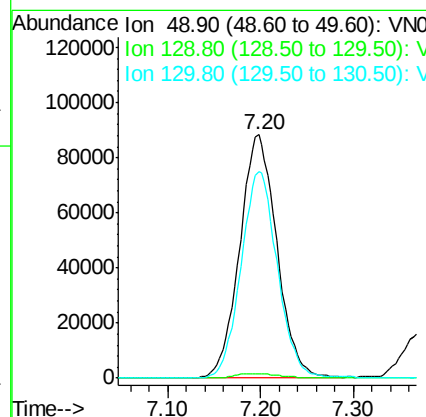
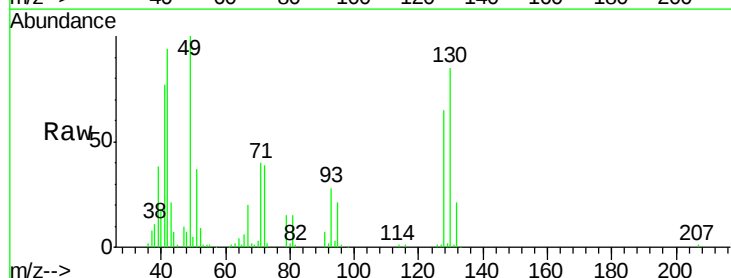
RT: 7.20 min Scan# 1744

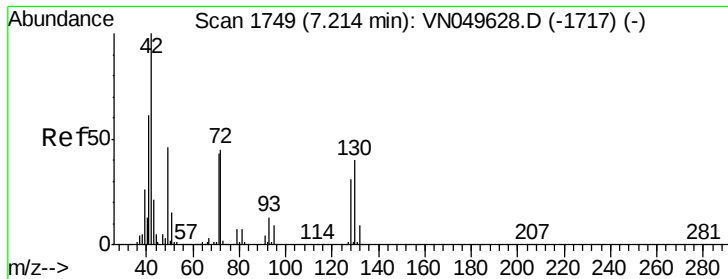
Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Tgt Ion:	49	Resp:	246080
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.2
130	82.8	65.5	98.3





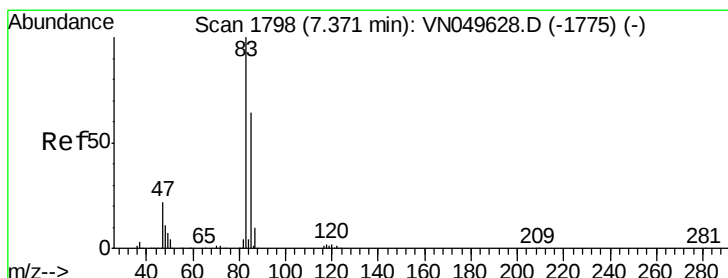
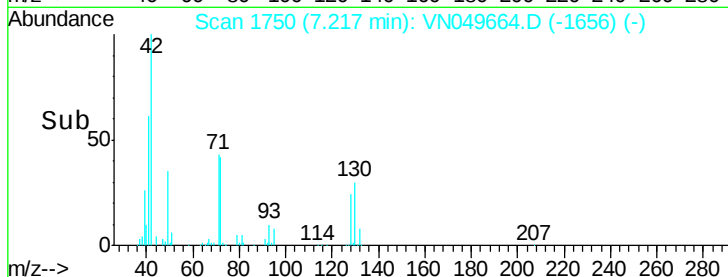
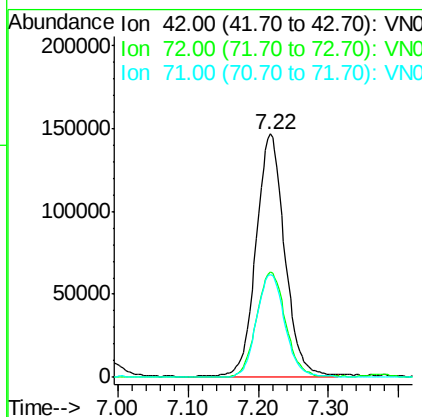
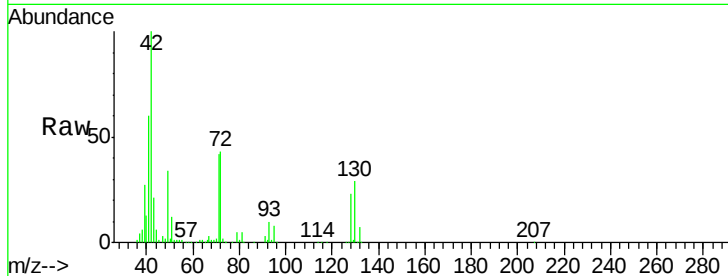
#29
Tetrahydrofuran
Concen: 116.89 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.6	53.4
71	42.2	34.0	51.0

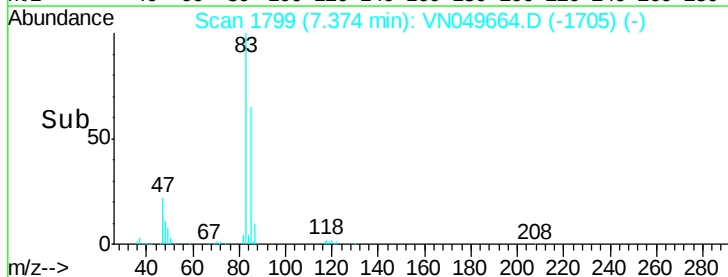
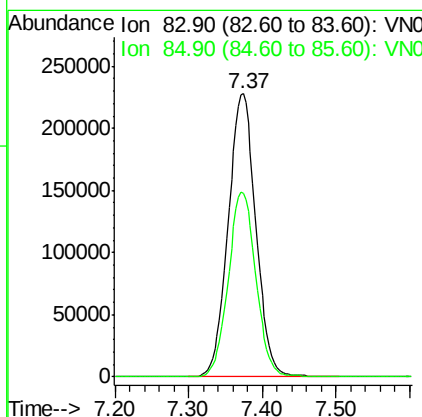
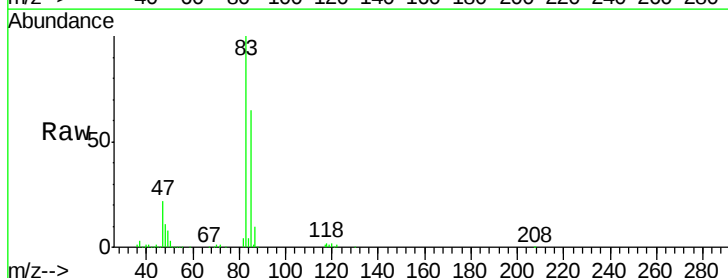
Manual Integrations
APPROVED

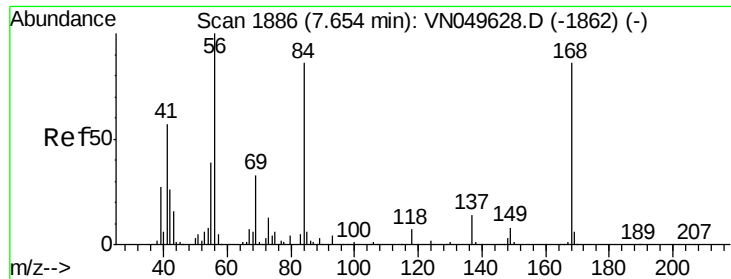
sam
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#30
Chloroform
Concen: 19.92 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2





#31

Cyclohexane

Concen: 19.89 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion: 56 Resp: 510081

Ion Ratio Lower Upper

56 100

69 36.2 26.6 40.0

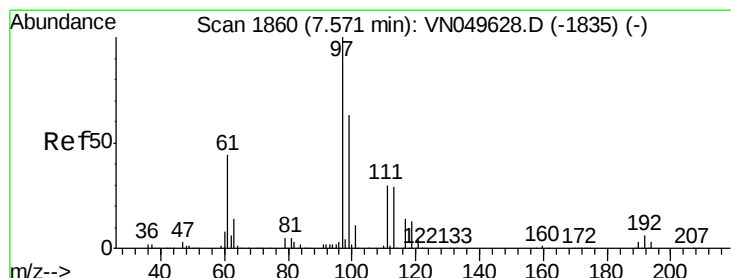
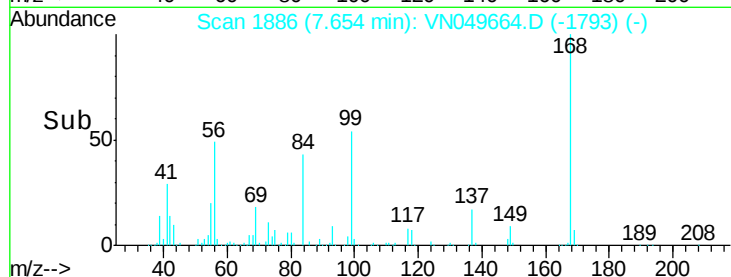
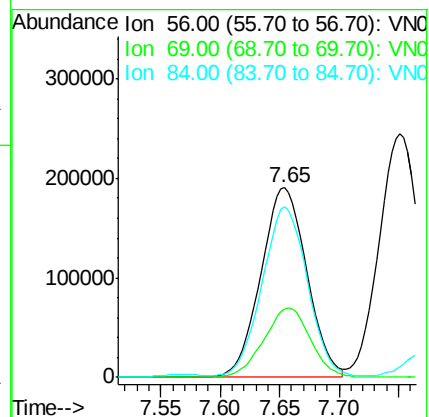
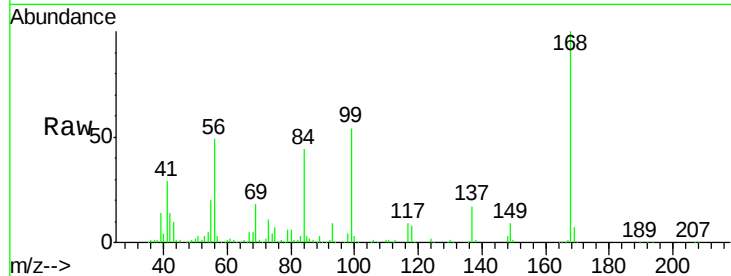
84 88.5 69.0 103.6

Manual Integrations

APPROVED

sam

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#32

1,1,1-Trichloroethane

Concen: 19.87 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

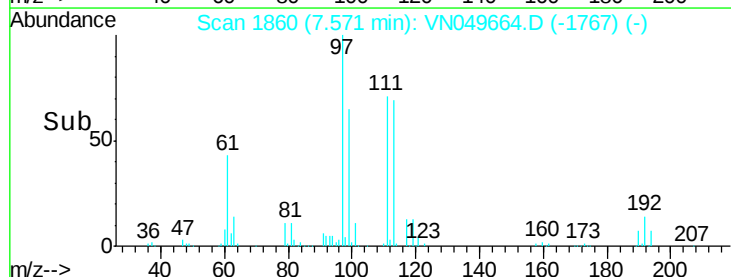
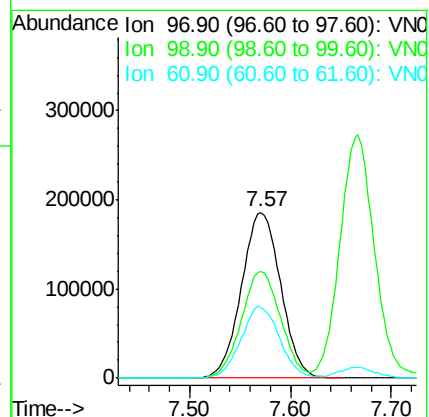
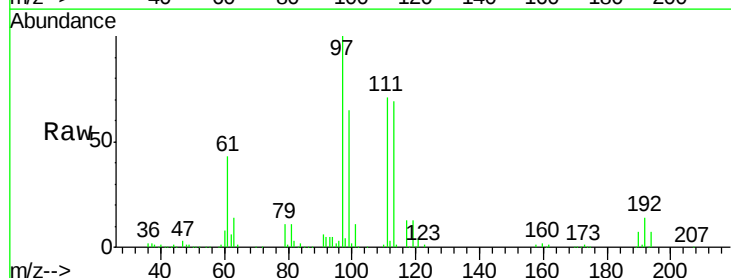
Tgt Ion: 97 Resp: 501703

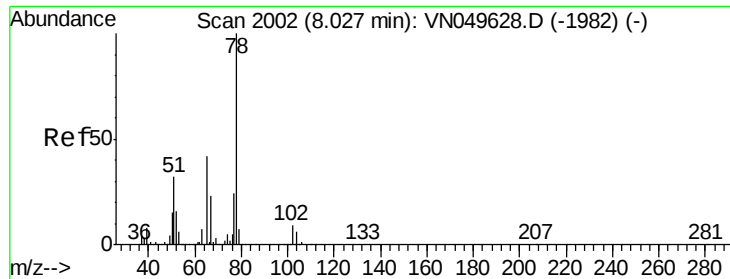
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 42.5 35.5 53.3





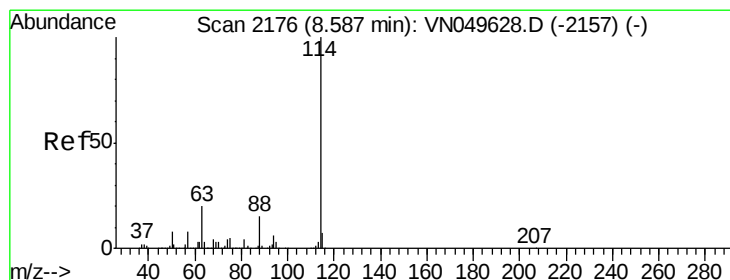
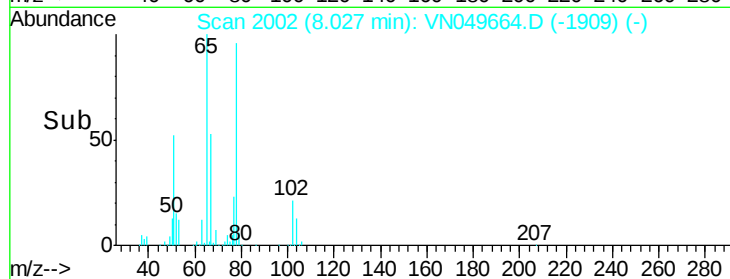
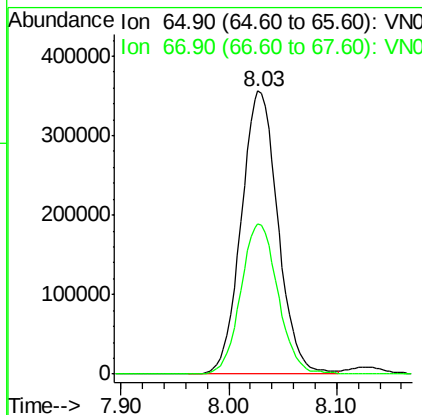
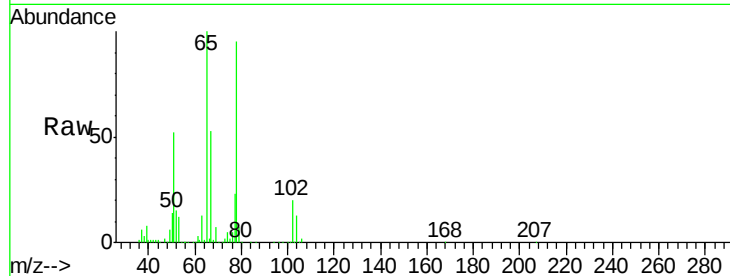
#33
 1,2-Dichloroethane-d4
 Concen: 50.15 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.2

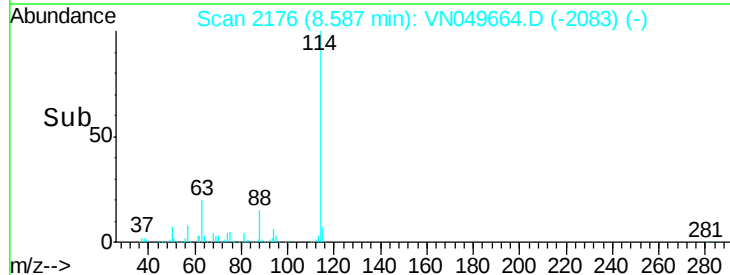
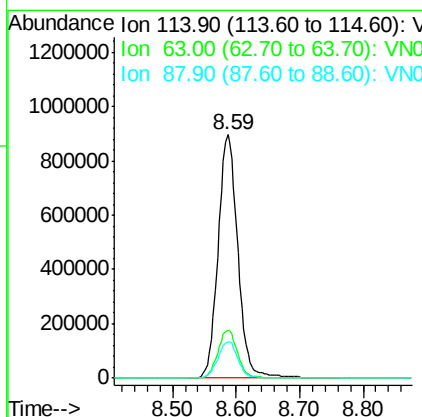
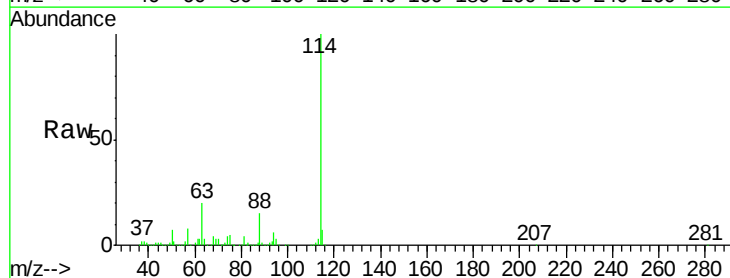
Manual Integrations
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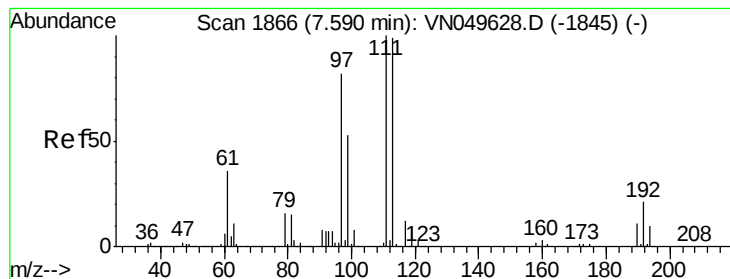
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.8
88	15.2	0.0	30.6





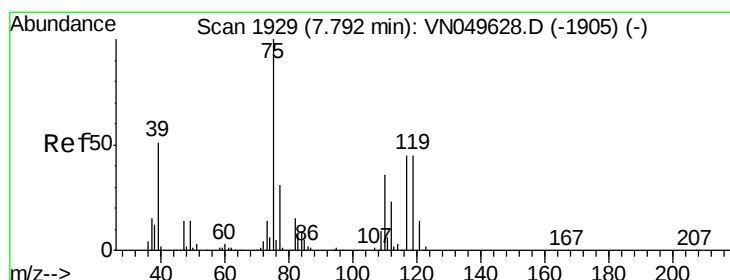
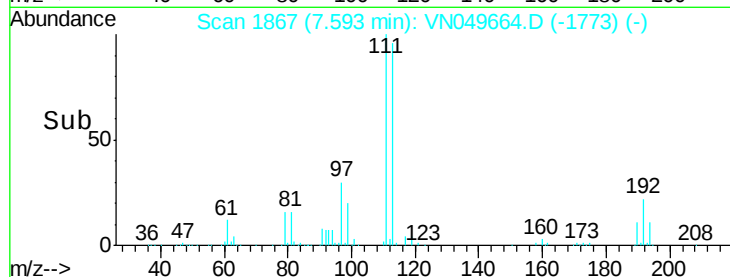
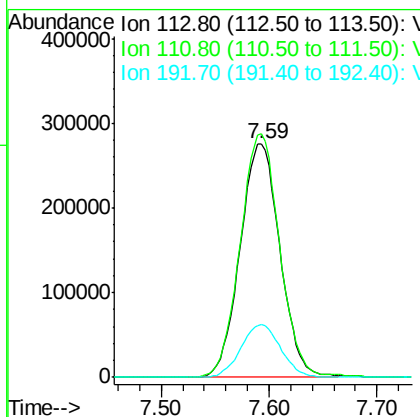
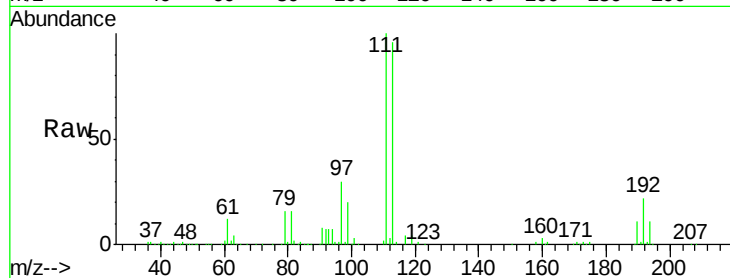
#35
Dibromofluoromethane
Concen: 49.12 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	708724		
111	102.9		81.8	122.8
192	22.6		17.8	26.6

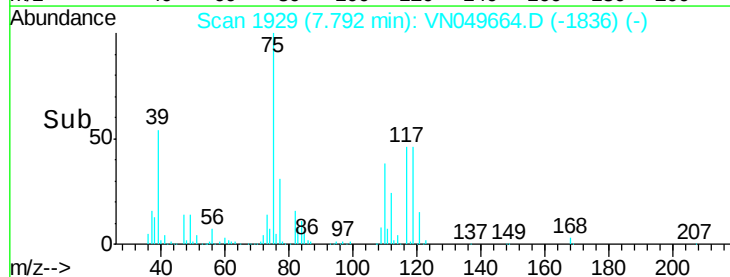
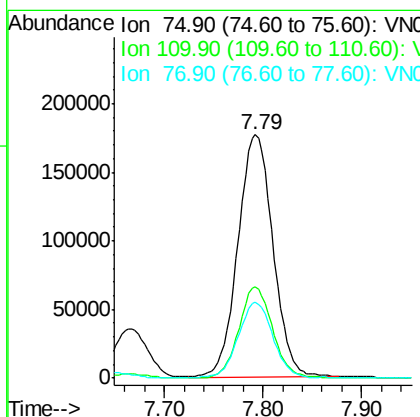
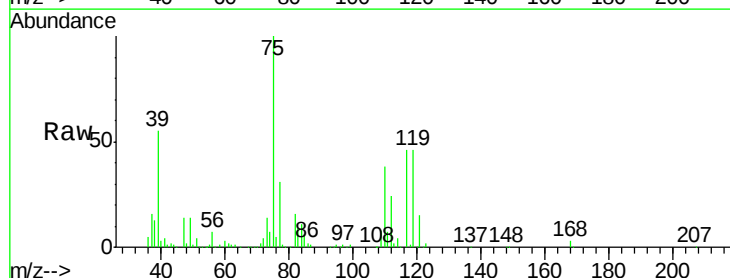
Manual Integrations
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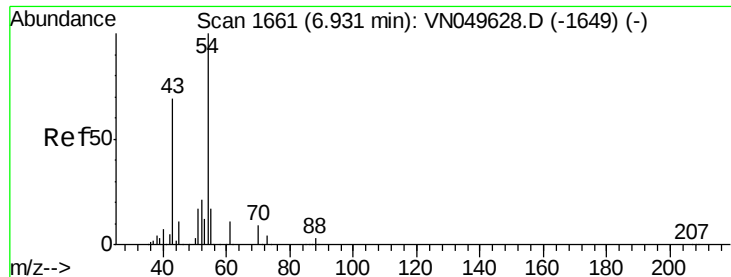
sam
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#36
1,1-Dichloropropene
Concen: 19.97 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	433592		
110	36.6		18.1	54.4
77	31.4		24.9	37.3





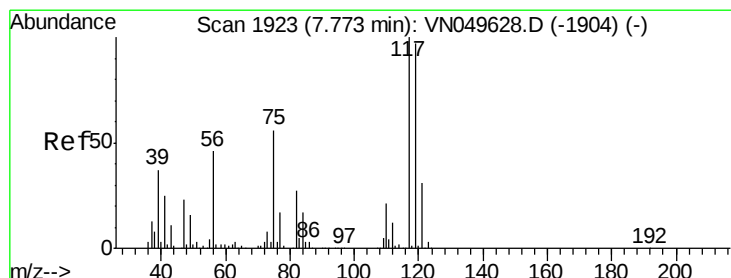
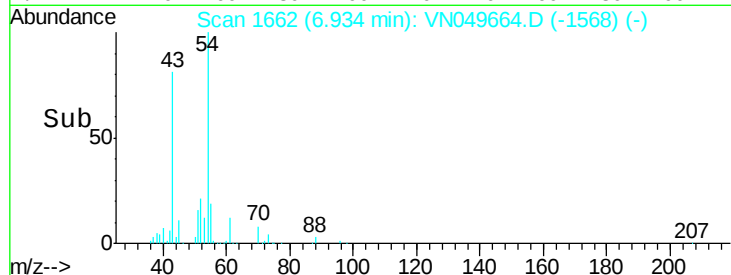
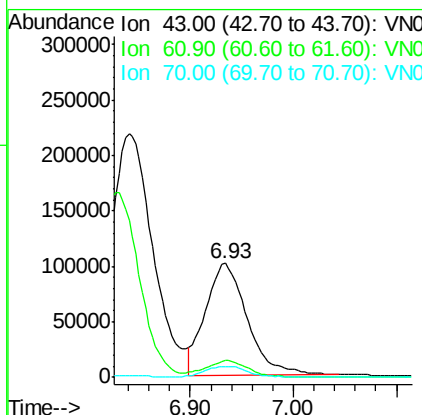
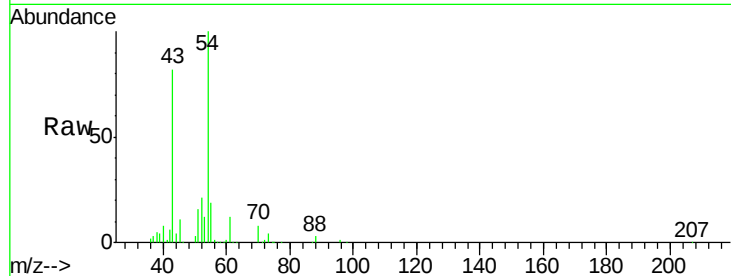
#37
Ethyl Acetate
Concen: 22.59 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleID :
VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.7	17.5
70	10.0	8.4	12.6

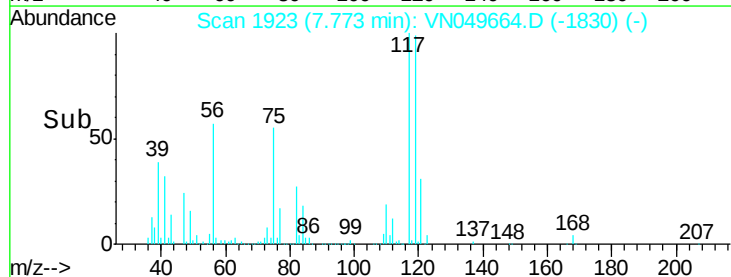
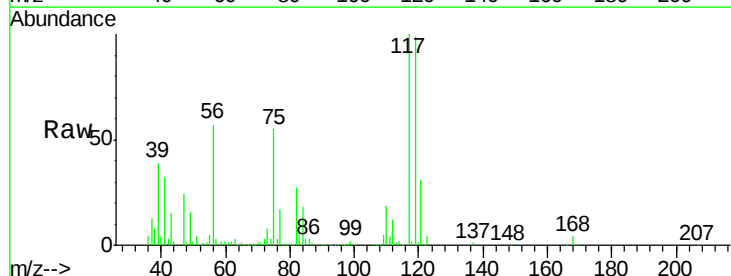
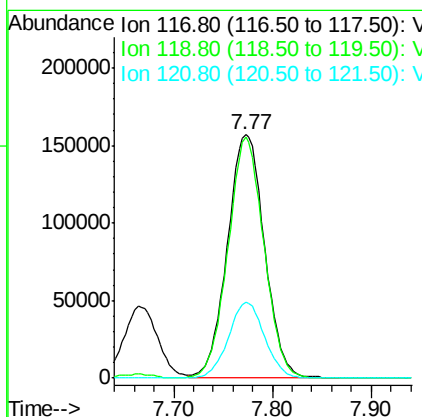
Manual Integrations
APPROVED

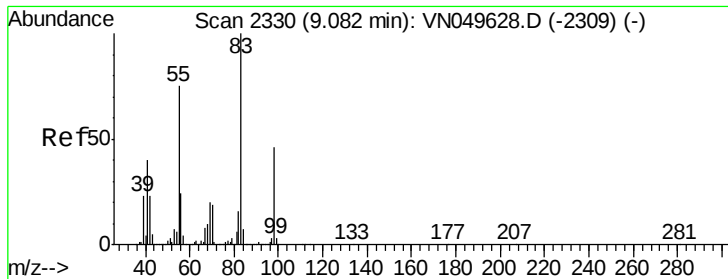
sam
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#38
Carbon Tetrachloride
Concen: 19.38 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	77.2	115.8
121	31.2	25.0	37.6





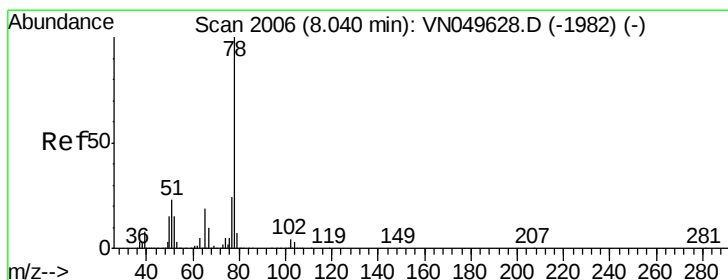
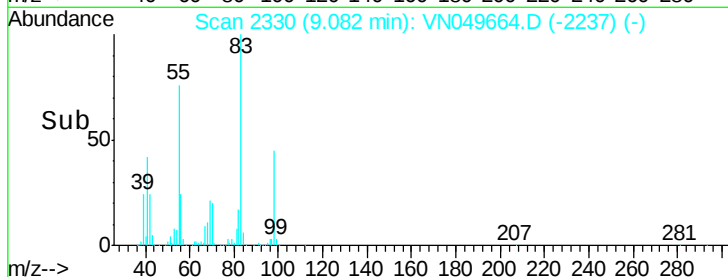
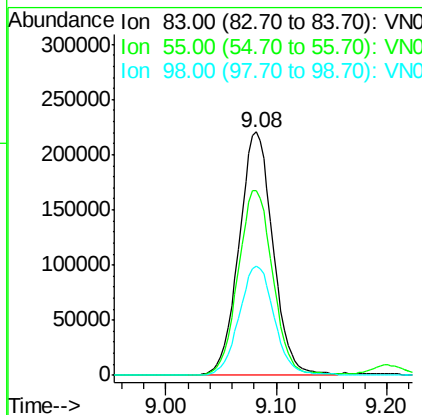
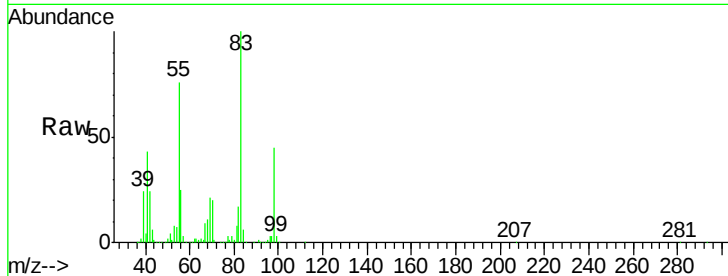
#39
Methvlcvclohexane
Concen: 19.79 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	59.7	89.5
98	44.7	36.5	54.7

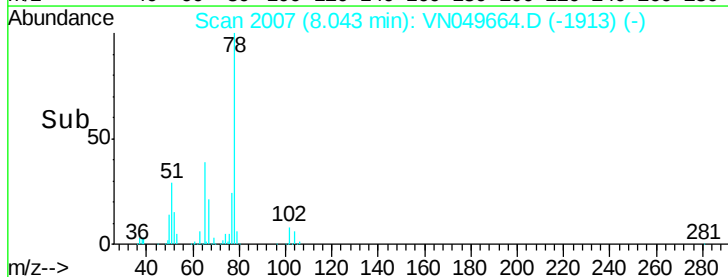
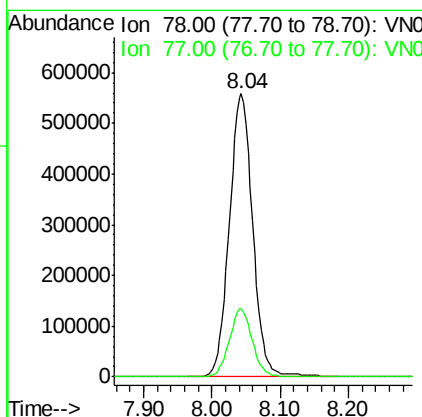
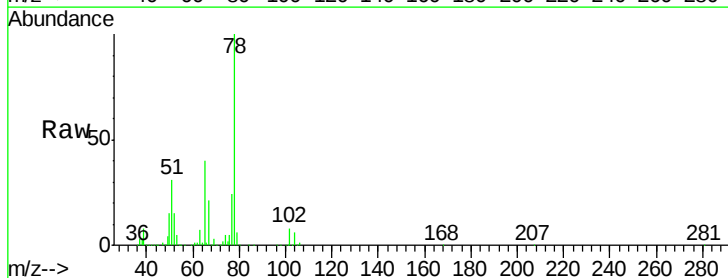
Manual Integrations
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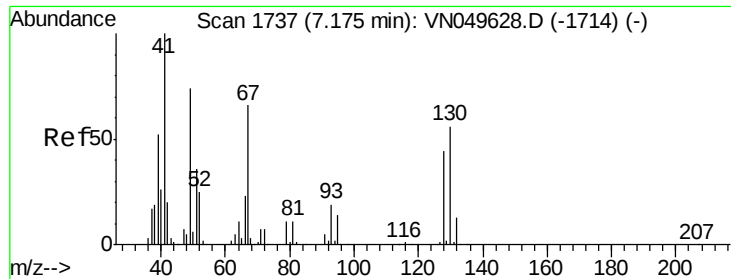
sam
7/3/2018 3:51:31 PM



#40
Benzene
Concen: 20.05 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





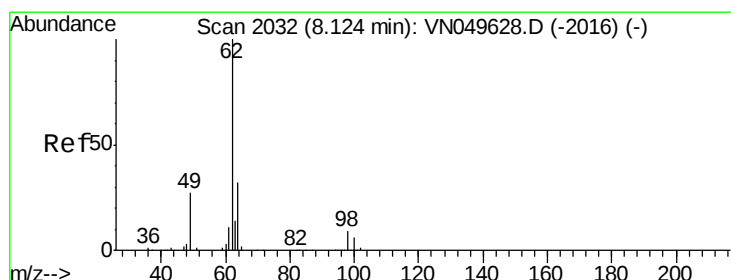
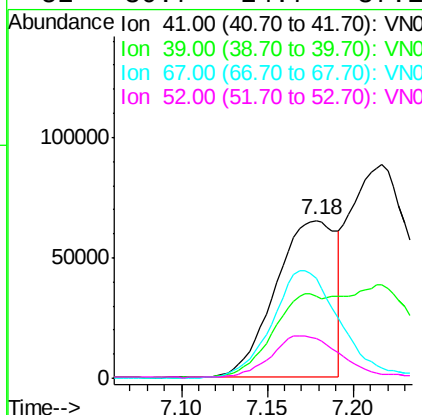
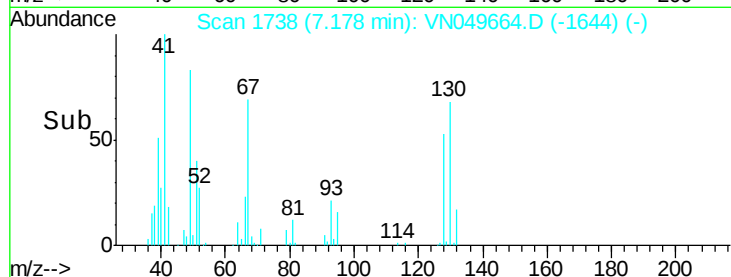
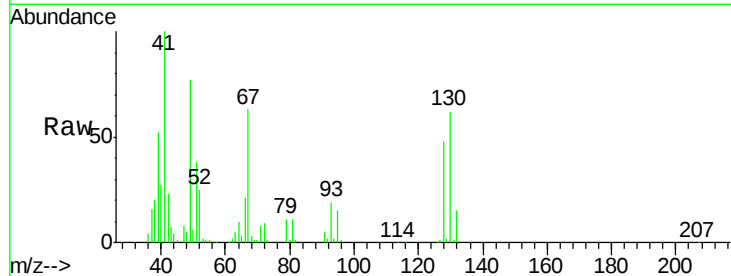
#41
Methacrylonitrile
Concen: 22.41 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.0	45.4	68.2#
67	78.4	65.4	98.0
52	30.7	24.7	37.1

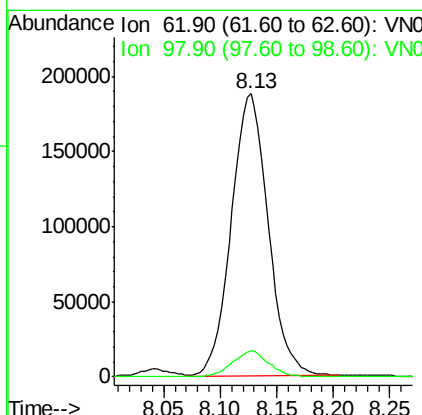
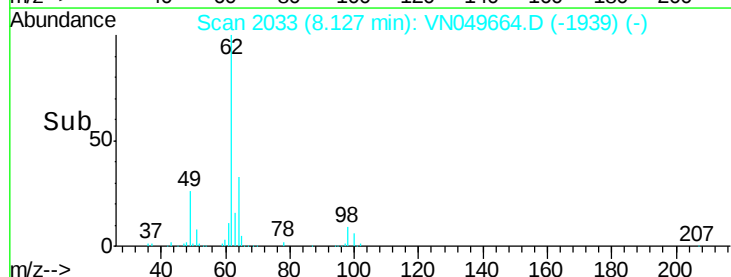
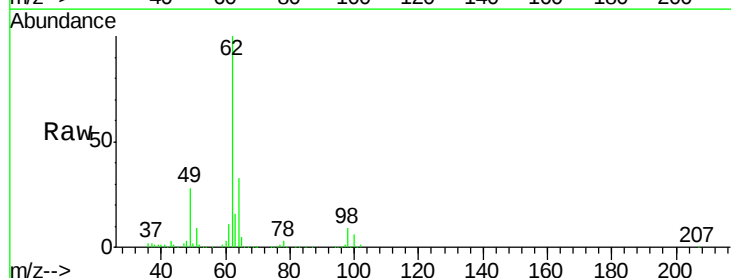
Manual Integrations
APPROVED

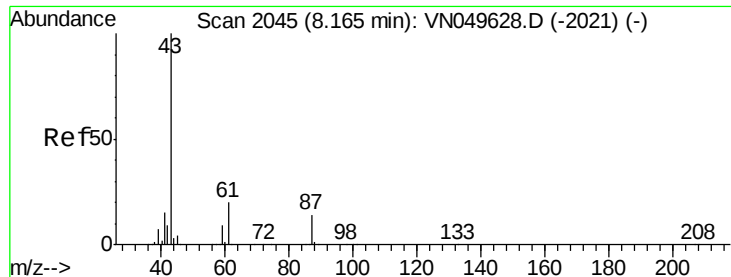
sam
7/3/2018 3:51:31 PM



#42
1,2-Dichloroethane
Concen: 20.09 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.0





#43

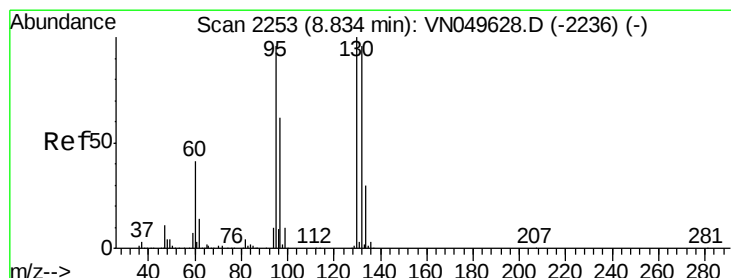
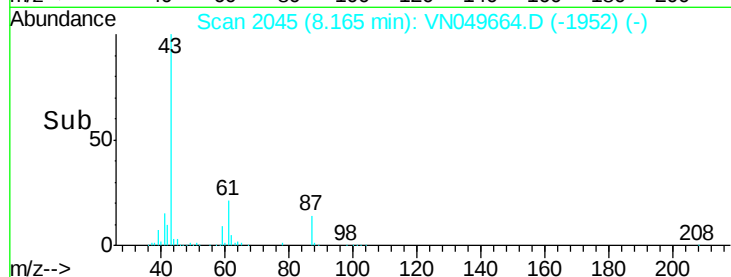
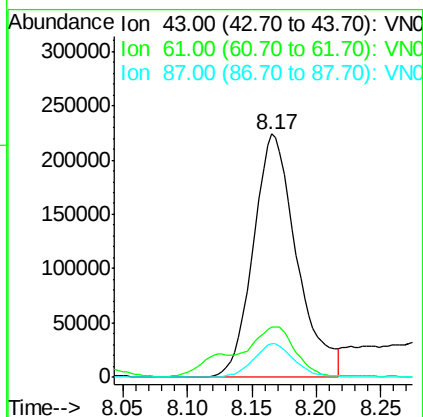
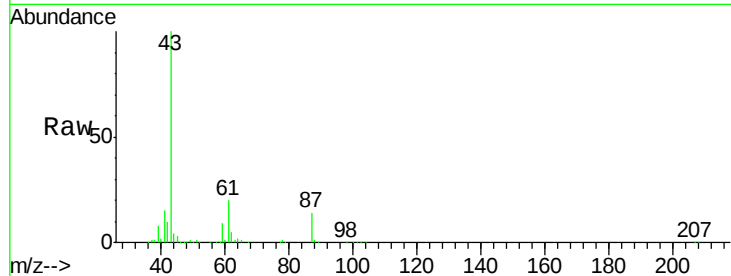
Isopropyl Acetate
 Concen: 20.51 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	14.9	22.3
87	13.0	10.0	15.0

Manual Integrations
 APPROVED

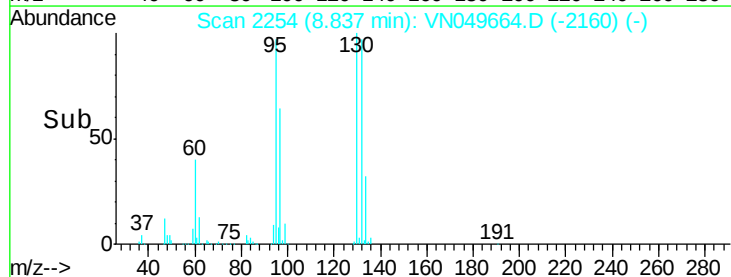
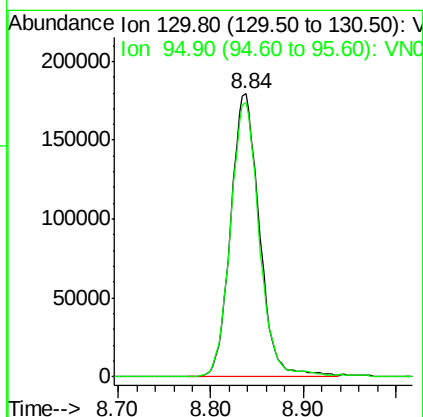
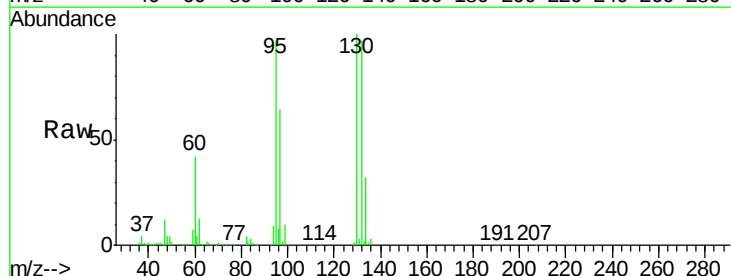
sam
 7/3/2018 3:51:31 PM

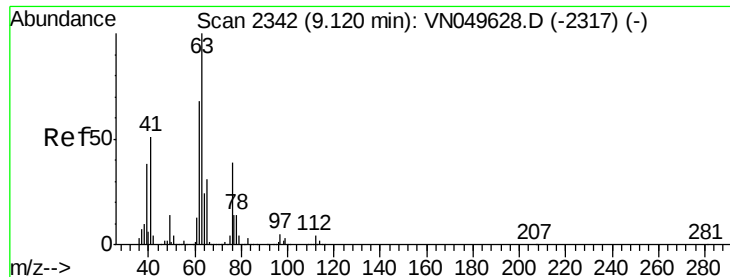


#44

Trichloroethene
 Concen: 19.35 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	192.8





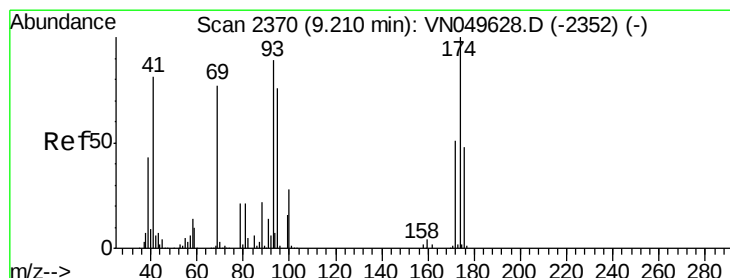
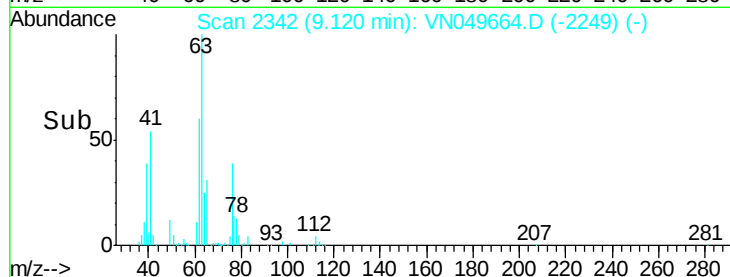
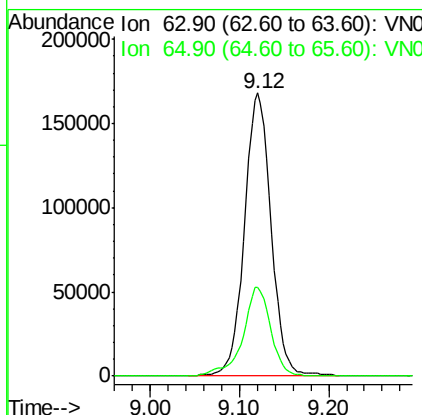
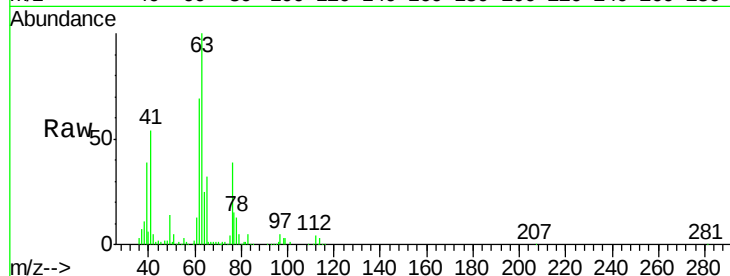
#45
1,2-Dichloropropane
Concen: 20.40 ug/l
RT: 9.12 min Scan# 2342
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.7	37.1

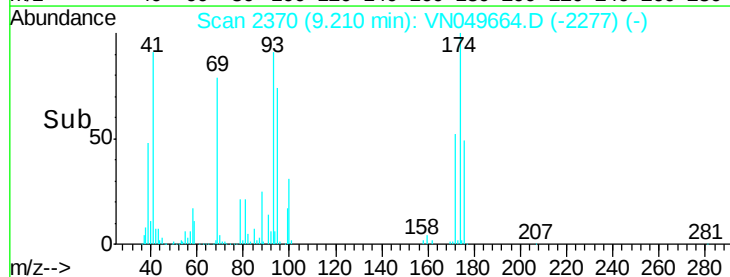
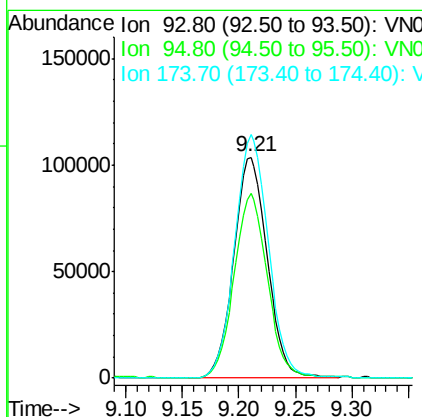
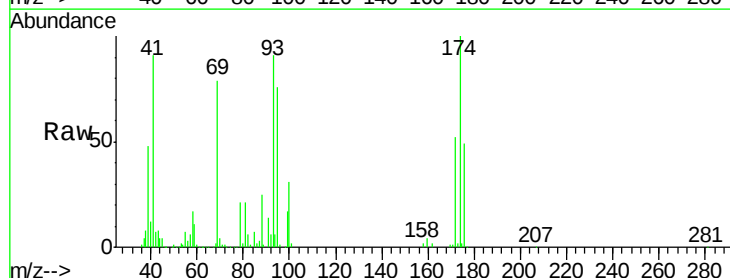
Manual Integrations
APPROVED

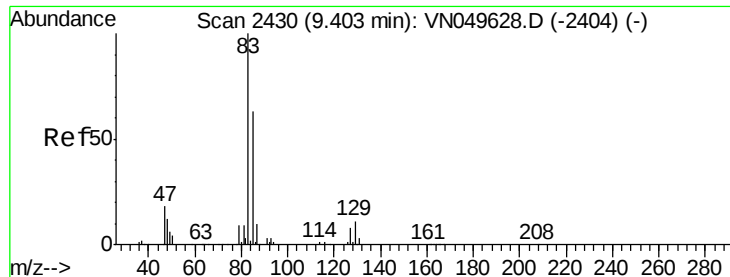
sam
7/3/2018 3:51:31 PM



#46
Dibromomethane
Concen: 20.70 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.9	101.9
174	110.3	89.4	134.0





#47

Bromodichloromethane

Concen: 20.23 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

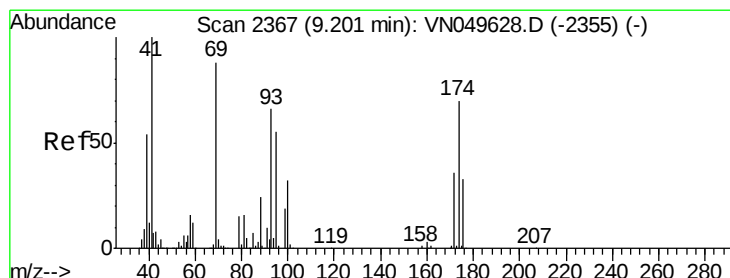
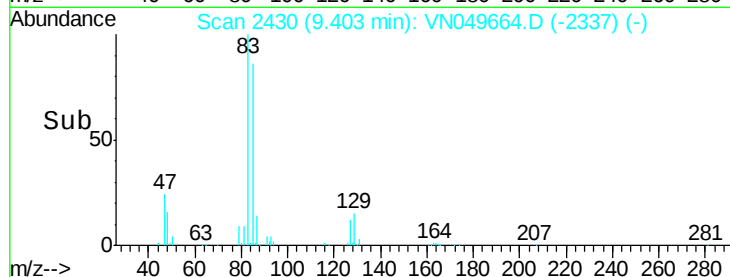
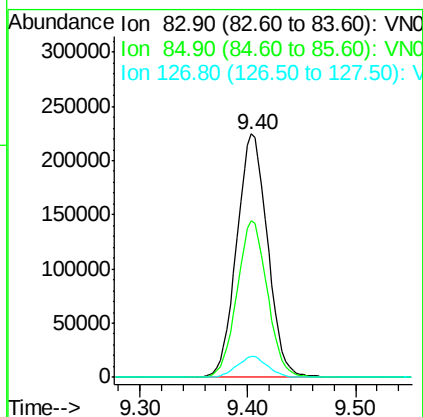
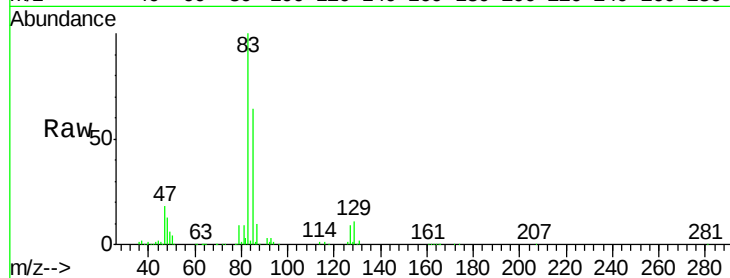
ClientSampleId :

VN0702WBSD01

Tot Ion:	83	Resp:	446229
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.5	75.7
127	8.7	6.8	10.2

Manual Integrations
APPROVED

sam
7/3/2018 3:51:31 PM



#48

Methyl methacrylate

Concen: 21.88 ug/l

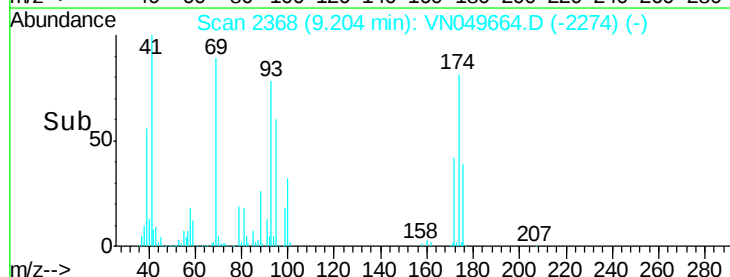
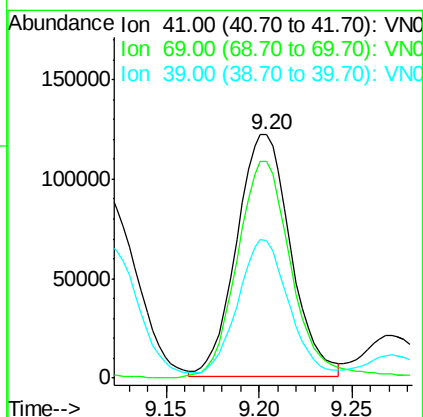
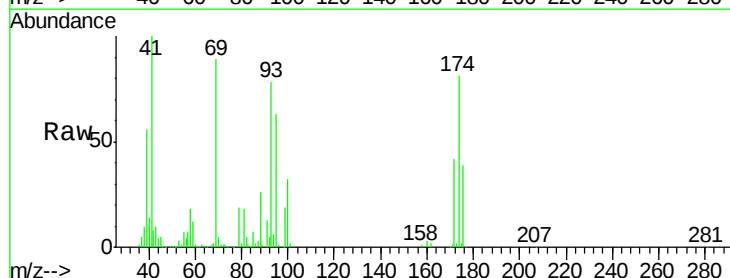
RT: 9.20 min Scan# 2368

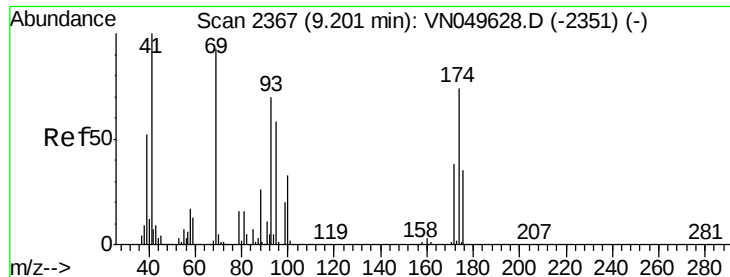
Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Tgt Ion:	41	Resp:	246203
Ion Ratio	Lower	Upper	
41	100		
69	89.1	71.5	107.3
39	53.5	44.7	67.1





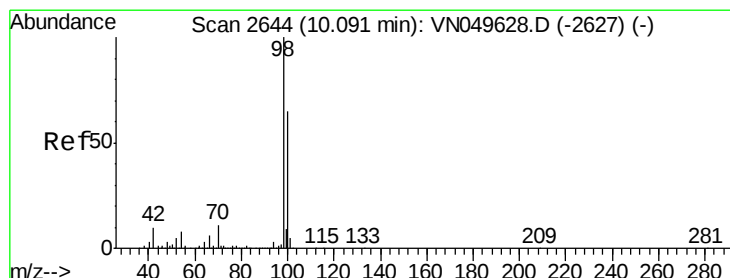
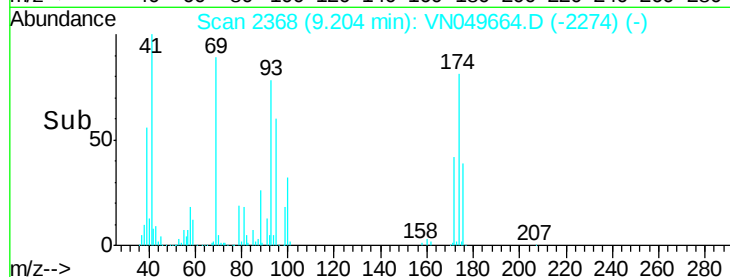
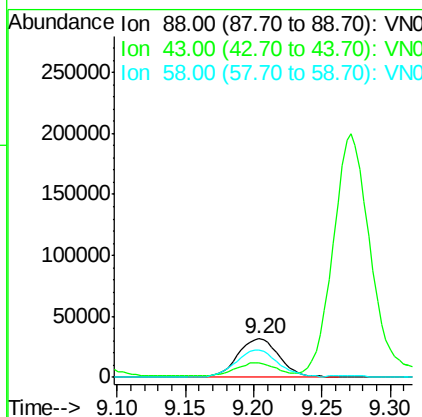
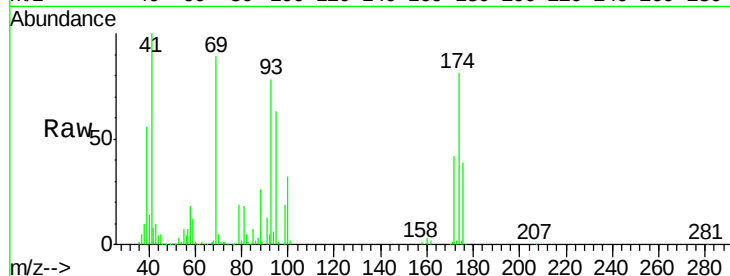
#49
1,4-Dioxane
Concen: 448.53 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.1	37.7
58	71.7	52.5	78.7

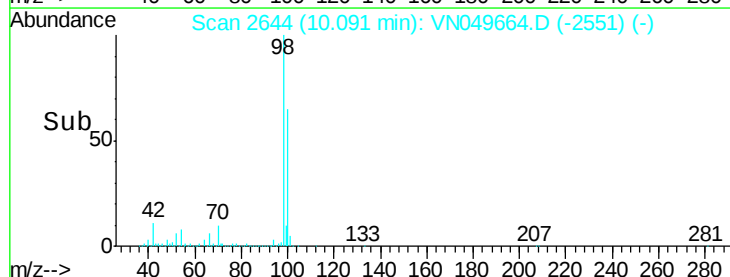
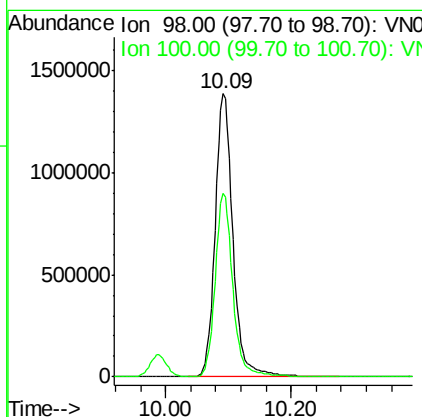
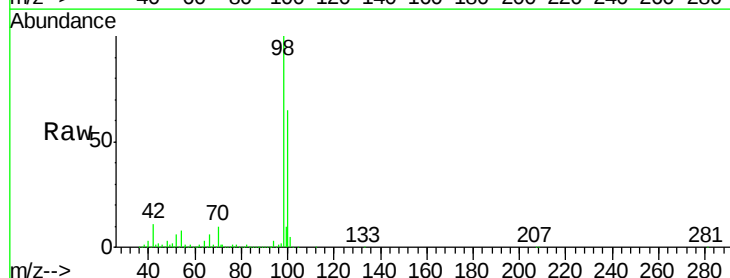
Manual Integrations
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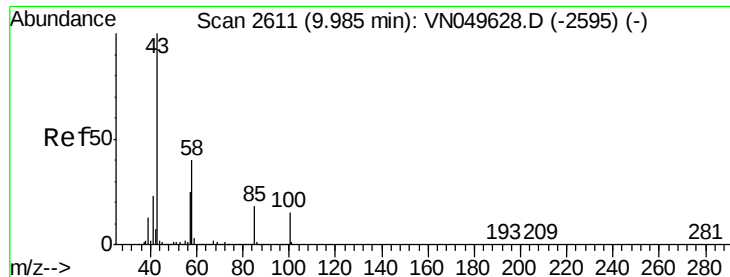
sam
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#50
Toluene-d8
Concen: 48.13 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5





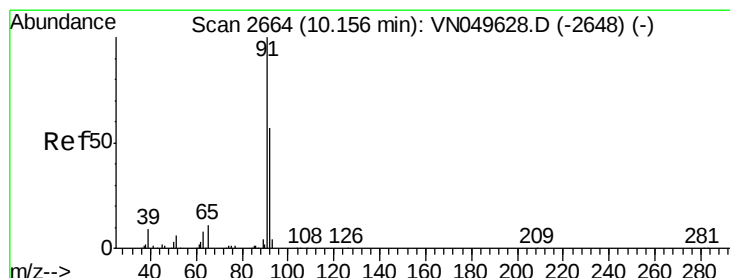
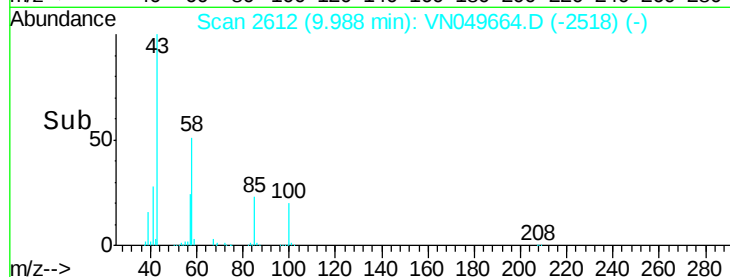
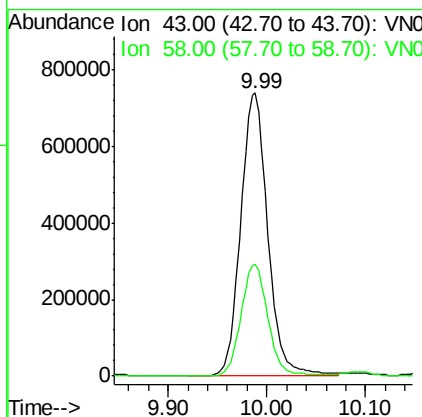
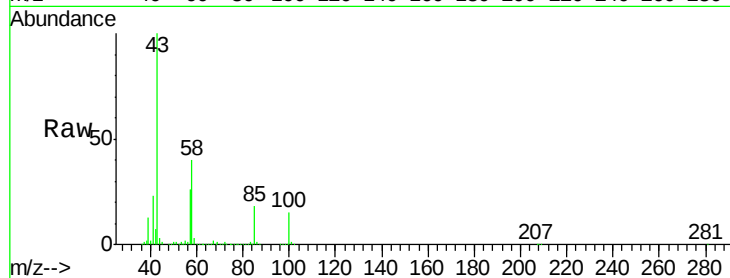
#51
4-Methyl-2-Pentanone
Concen: 112.55 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion: 43 Resp: 1397382
Ion Ratio Lower Upper
43 100
58 39.4 31.8 47.8

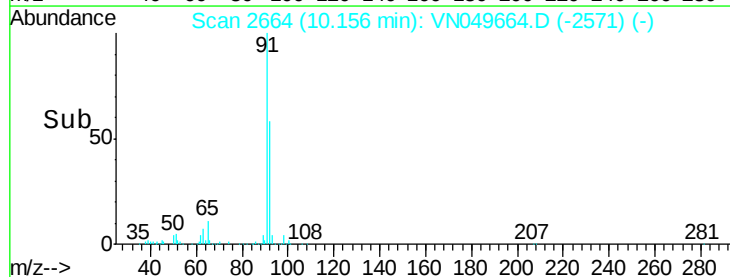
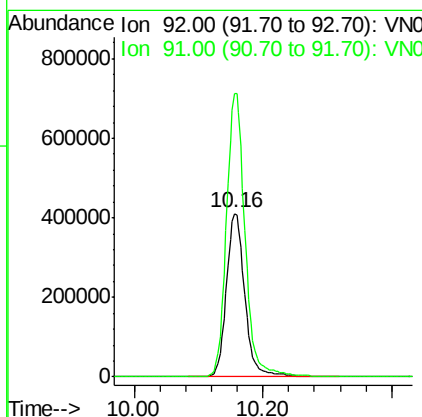
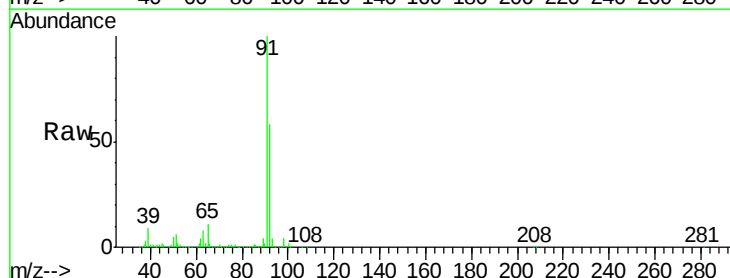
Manual Integrations
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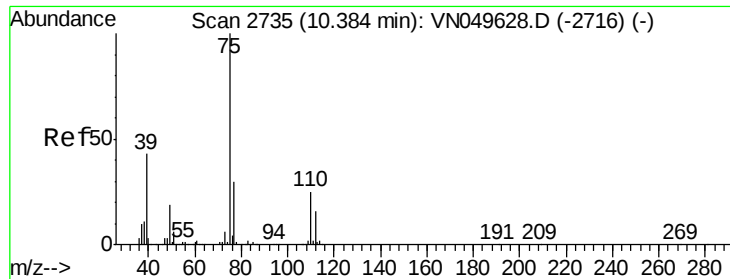
sam
7/3/2018 3:51:31 PM



#52
Toluene
Concen: 20.37 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 92 Resp: 815889
Ion Ratio Lower Upper
92 100
91 175.2 140.1 210.1





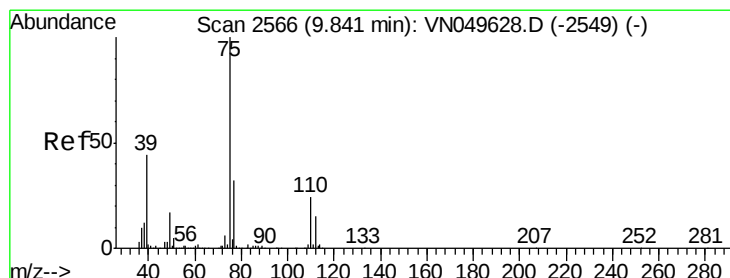
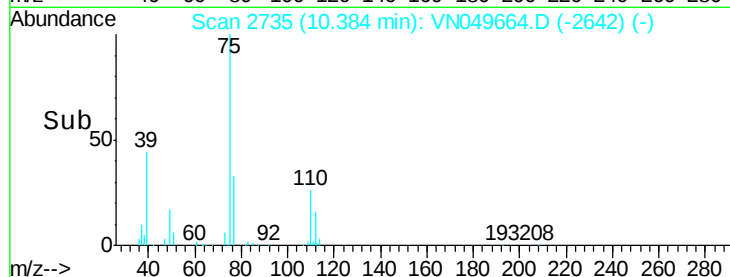
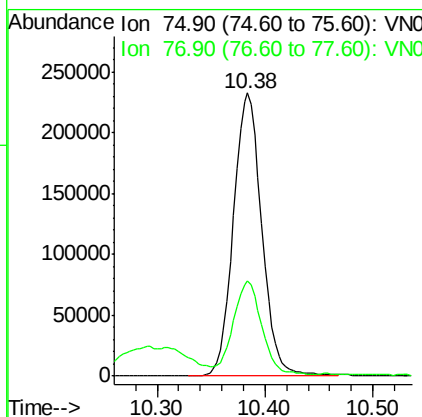
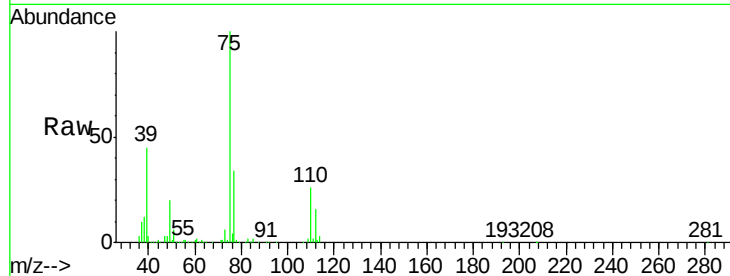
#53
t-1,3-Dichloropropene
Concen: 20.01 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

Tot Ion: 75 Resp: 422676
Ion Ratio Lower Upper
75 100
77 32.9 25.2 37.8

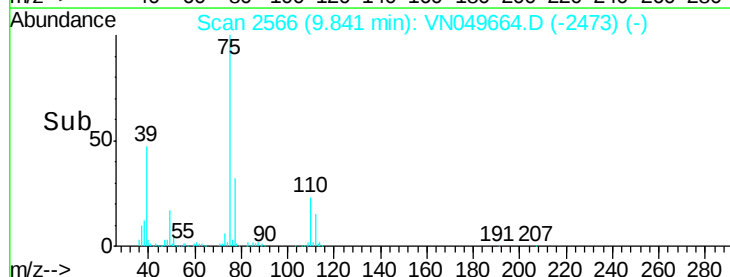
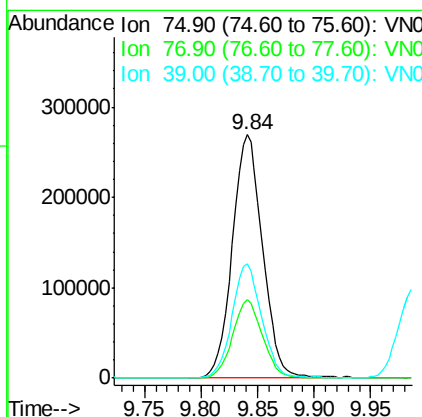
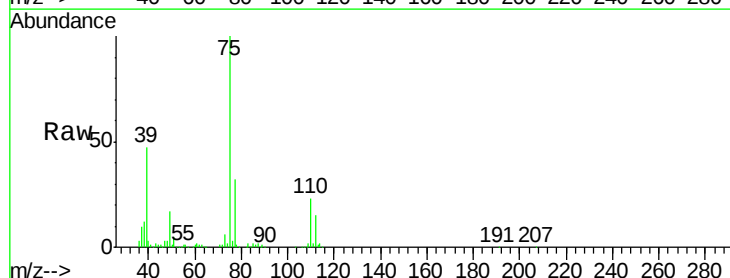
Manual Integrations
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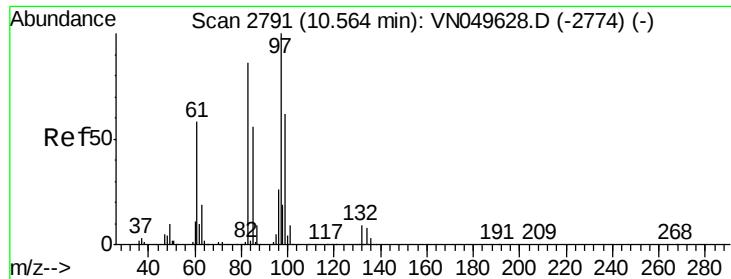
sam
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#54
cis-1,3-Dichloropropene
Concen: 20.31 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 75 Resp: 501474
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 46.7 35.5 53.3





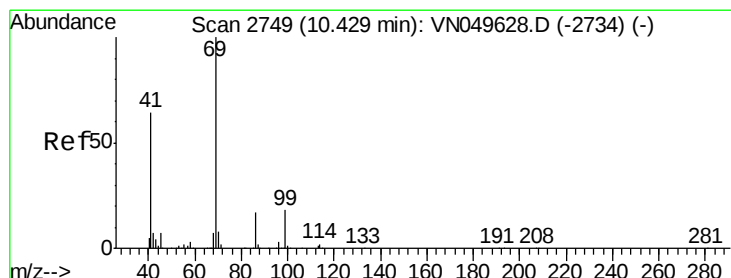
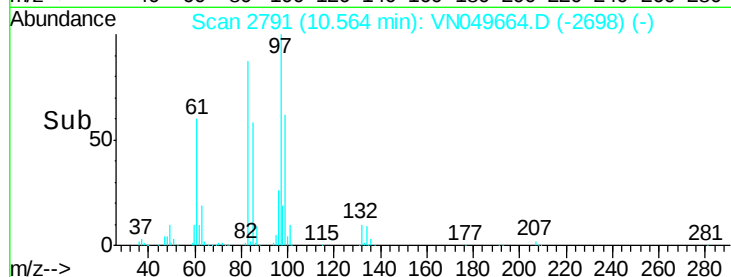
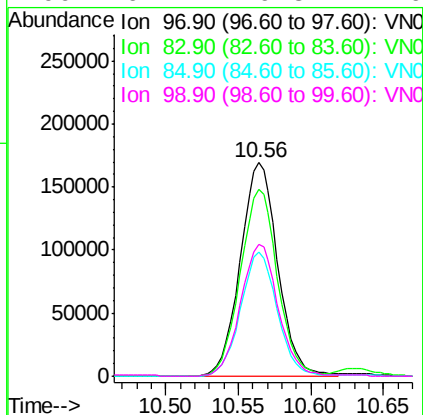
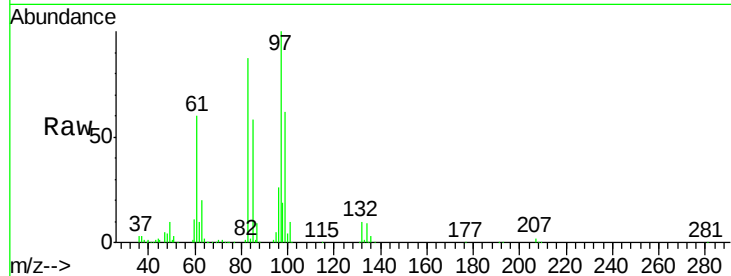
#55
 1,1,2-Trichloroethane
 Concen: 20.40 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		304208		
83	87.4	69.0	103.6		
85	58.1	44.9	67.3		
99	61.4	49.8	74.6		

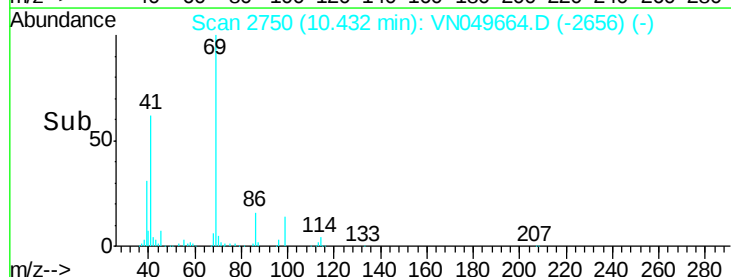
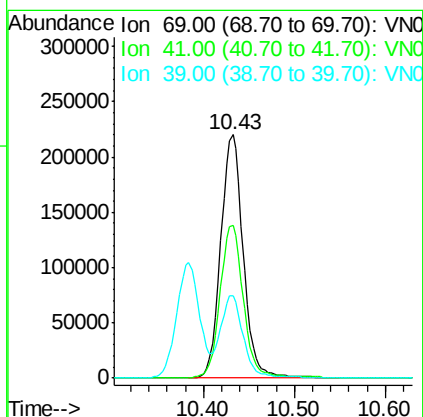
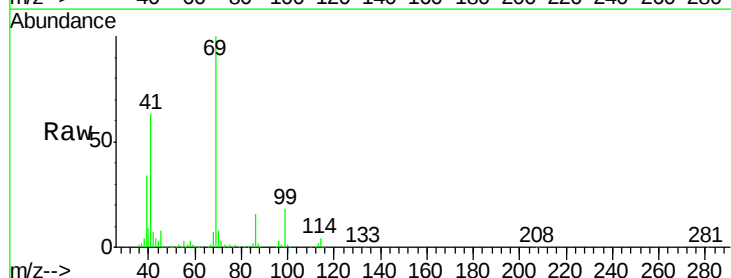
Manual Integrations
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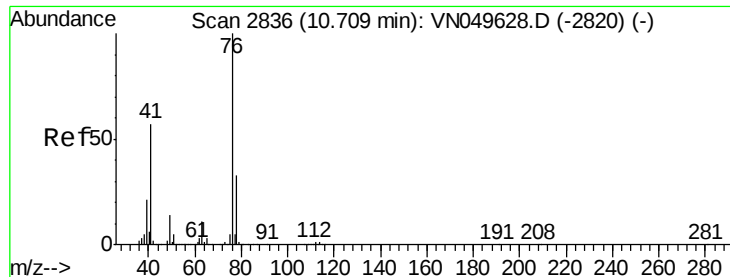
sam
 7/3/2018 3:51:31 PM



#56
 Ethyl methacrylate
 Concen: 21.69 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		379203		
41	64.1	51.6	77.4		
39	32.2	25.8	38.8		





#57

1,3-Dichloropropane

Concen: 20.95 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion: 76 Resp: 506605

Ion Ratio Lower Upper

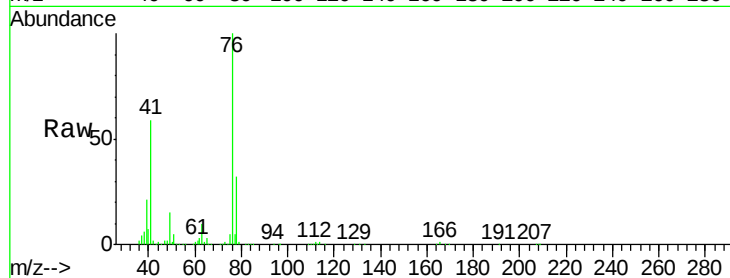
76 100

78 32.4 25.8 38.8

Manual Integrations
APPROVED

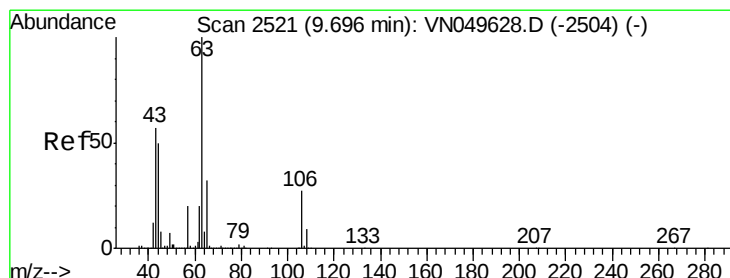
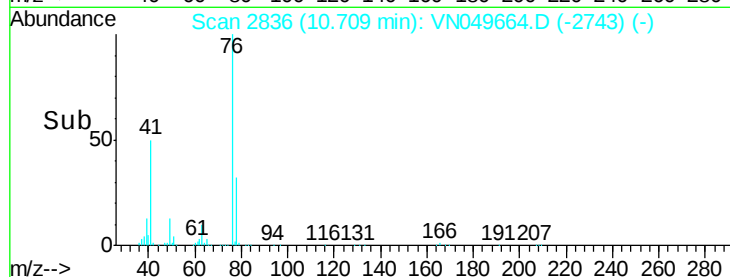
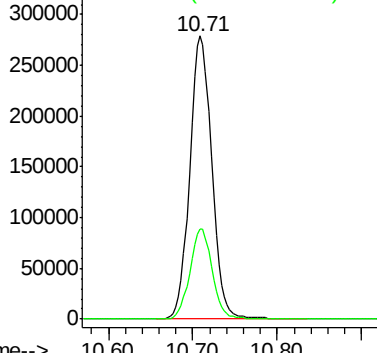
sam

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.93 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049664.D

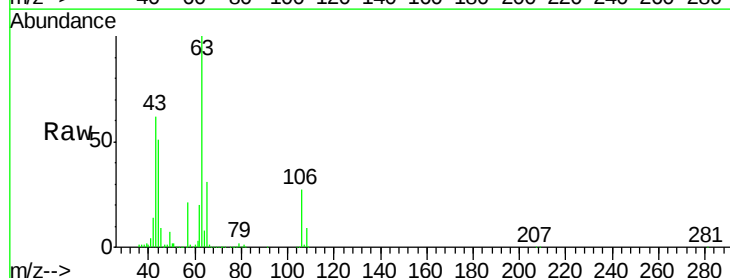
Acq: 2 Jul 2018 13:00

Tgt Ion: 63 Resp: 781904

Ion Ratio Lower Upper

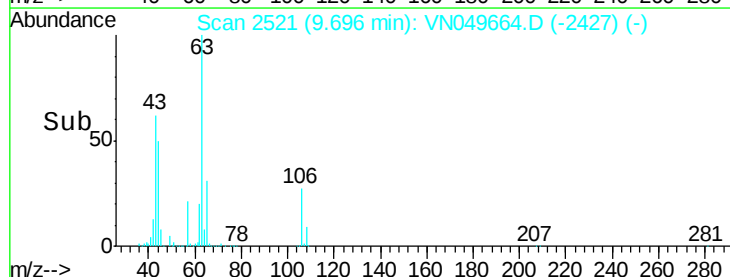
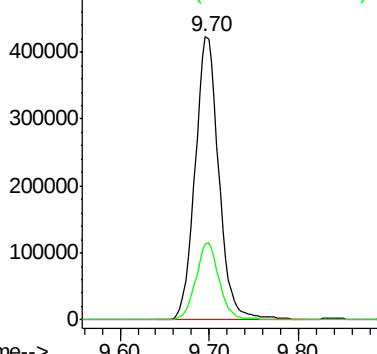
63 100

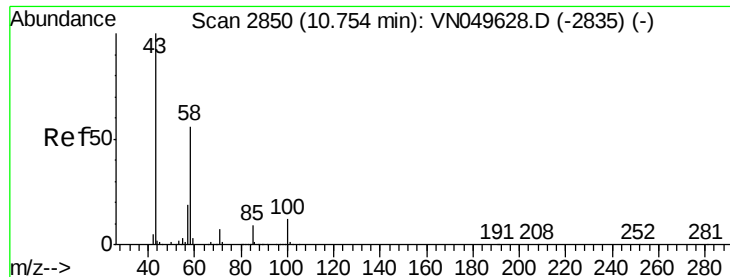
106 26.8 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





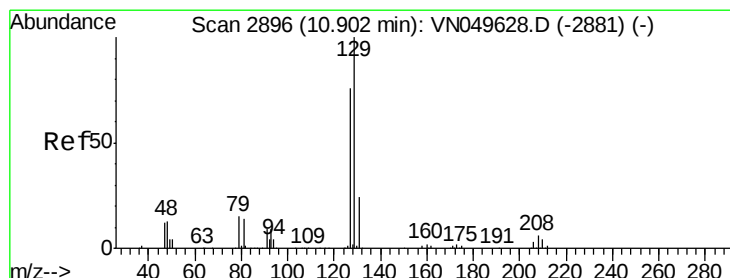
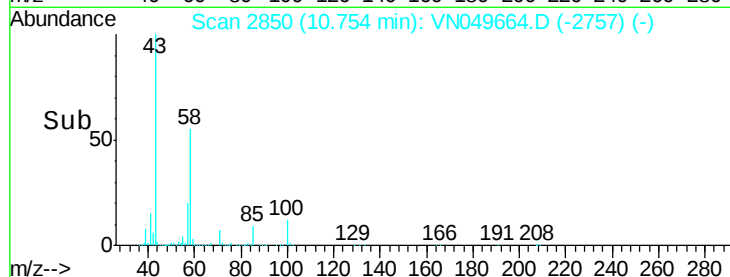
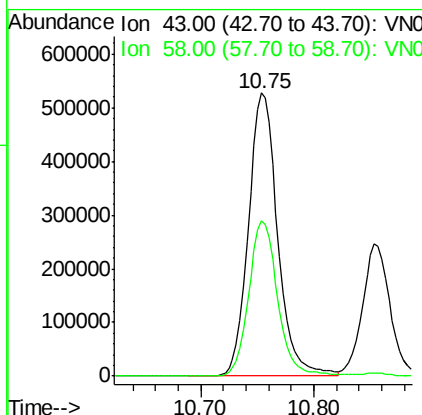
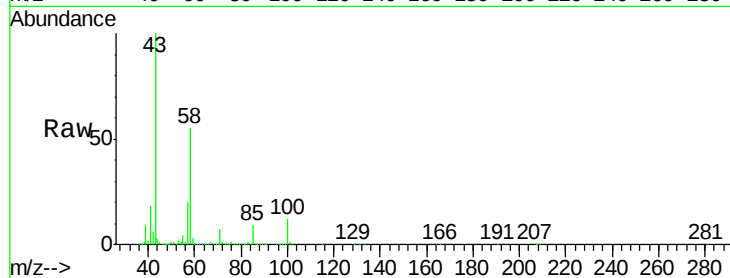
#59
2-Hexanone
Concen: 114.96 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion: 43 Resp: 943801
Ion Ratio Lower Upper
43 100
58 54.5 27.8 83.4

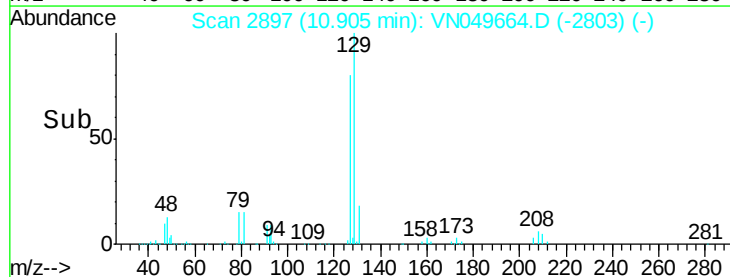
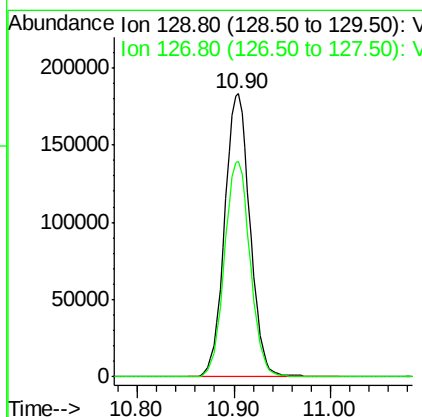
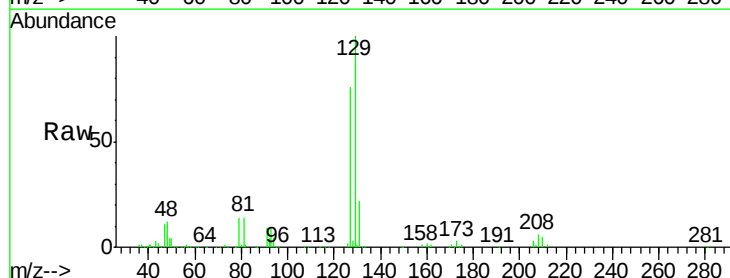
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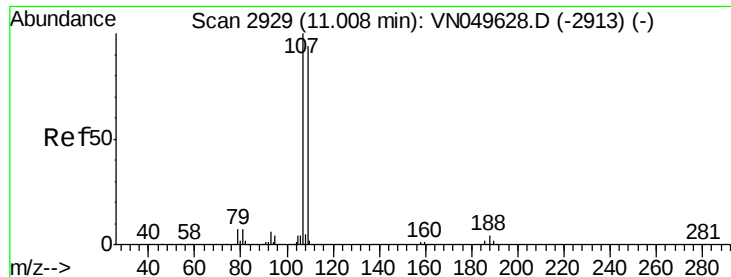
sam
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#60
Dibromochloromethane
Concen: 20.68 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 129 Resp: 333380
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





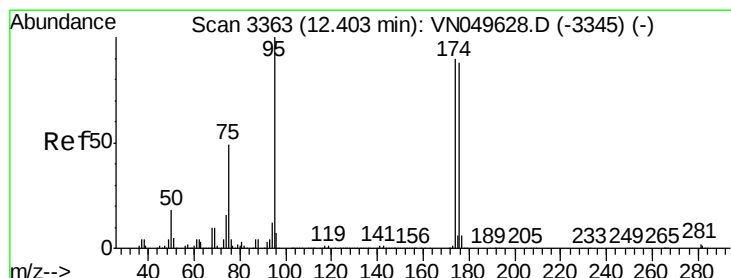
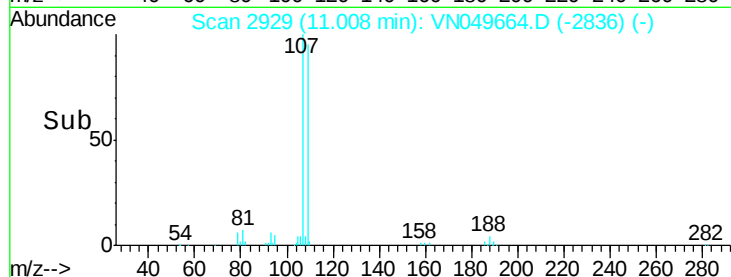
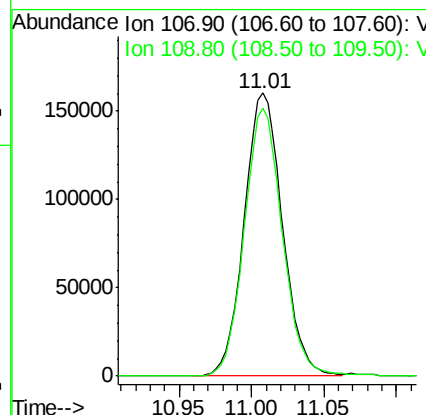
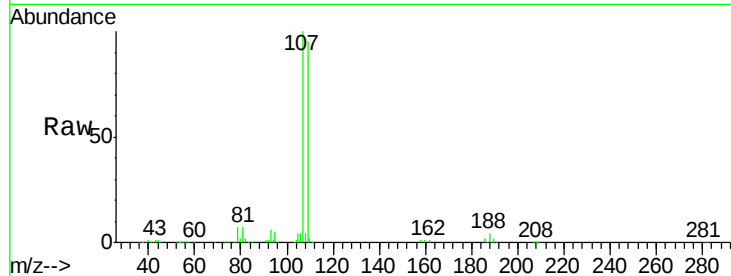
#61
 1,2-Dibromoethane
 Concen: 20.64 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.0	112.6

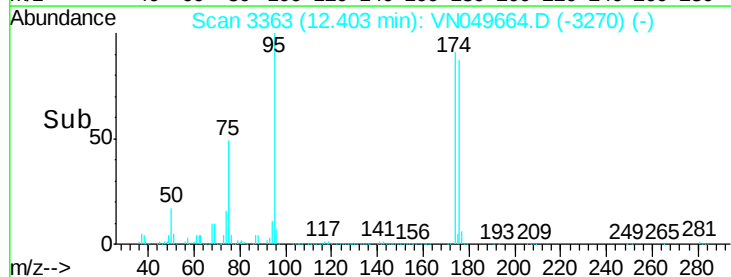
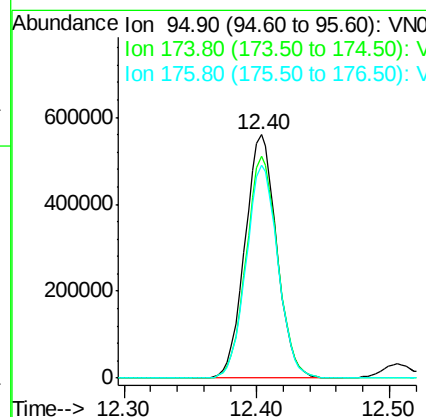
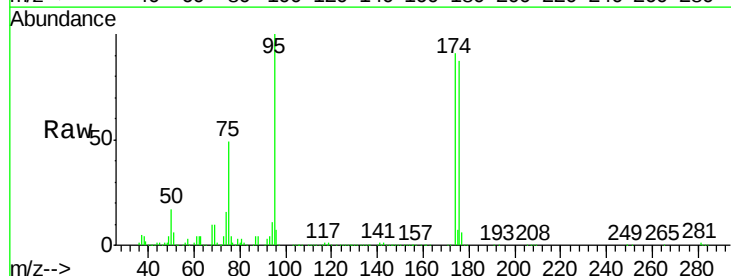
Manual Integrations
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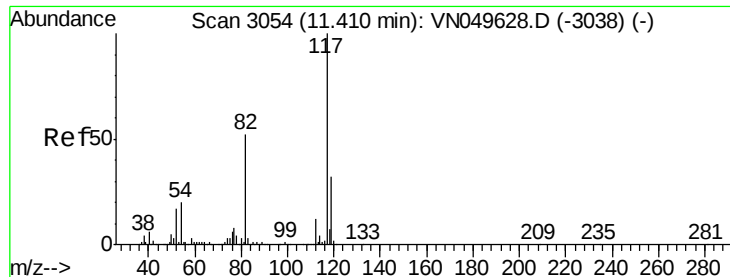
sam
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#62
 4-Bromofluorobenzene
 Concen: 48.34 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	179.6
176	87.4	0.0	174.0





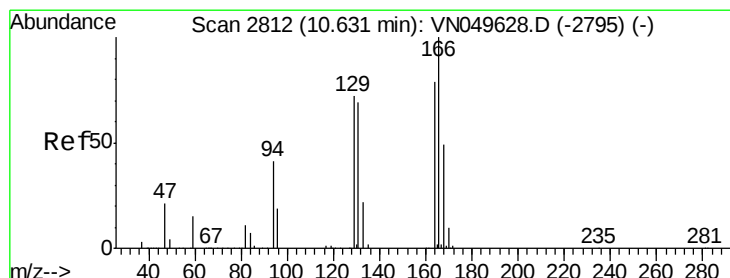
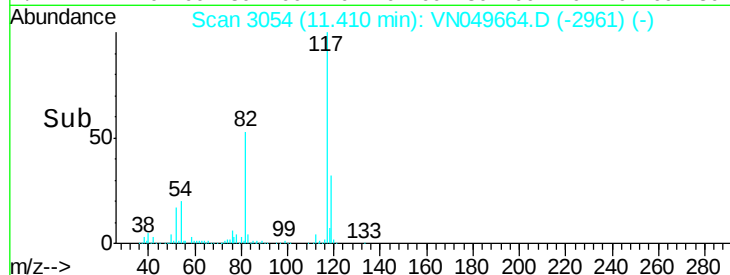
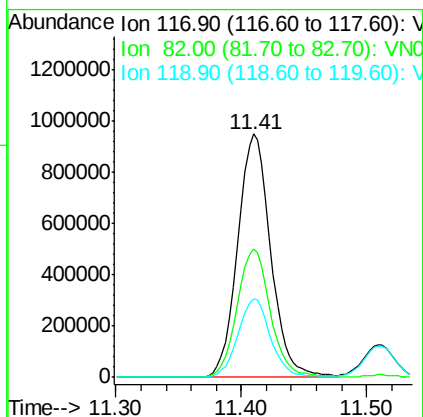
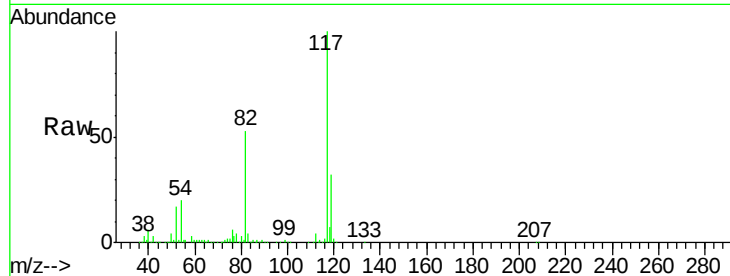
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion:117 Resp: 1741919
Ion Ratio Lower Upper
117 100
82 53.0 41.9 62.9
119 32.4 25.4 38.2

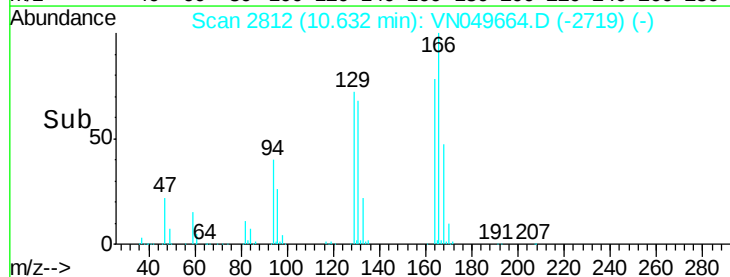
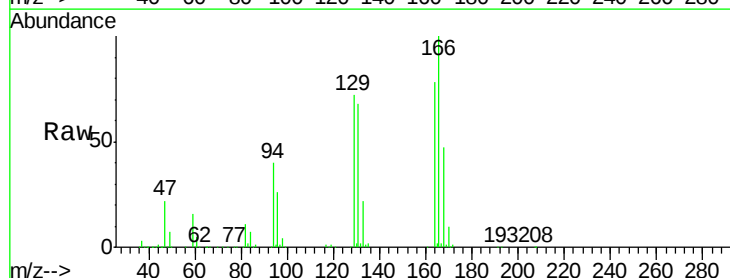
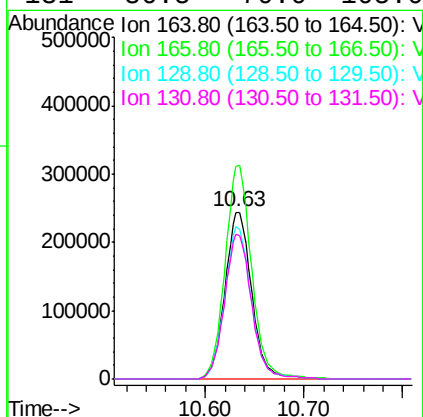
Manual Integrations
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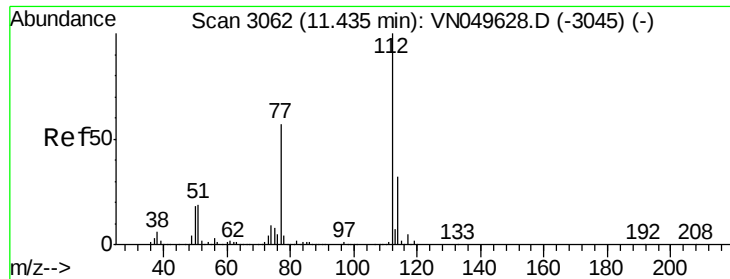
sam
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#64
Tetrachloroethene
Concen: 19.57 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion:164 Resp: 461693
Ion Ratio Lower Upper
164 100
166 127.7 101.8 152.6
129 91.4 72.8 109.2
131 86.5 70.0 105.0





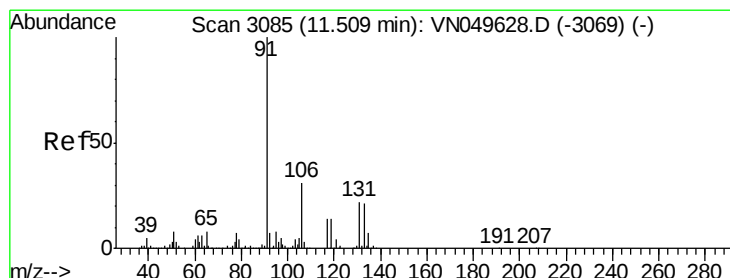
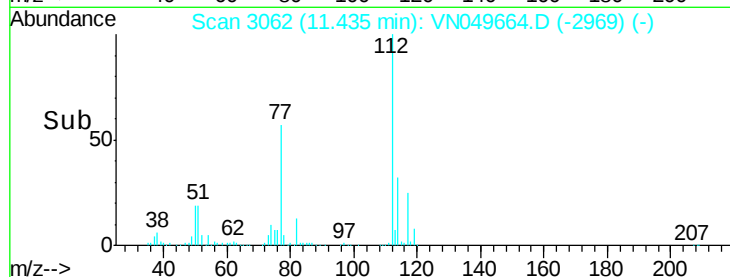
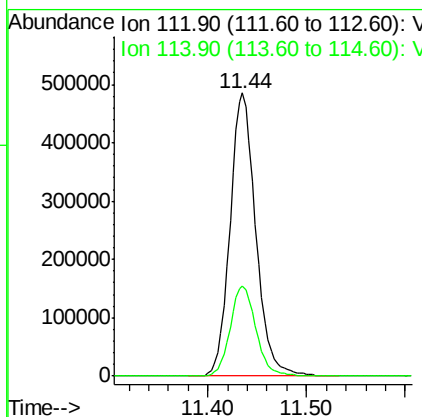
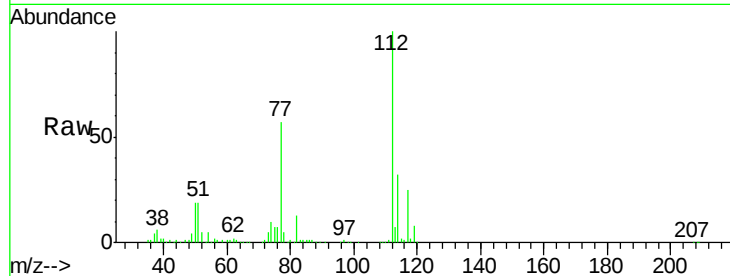
#65
Chlorobenzene
Concen: 19.42 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

Tot Ion:112 Resp: 882291
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

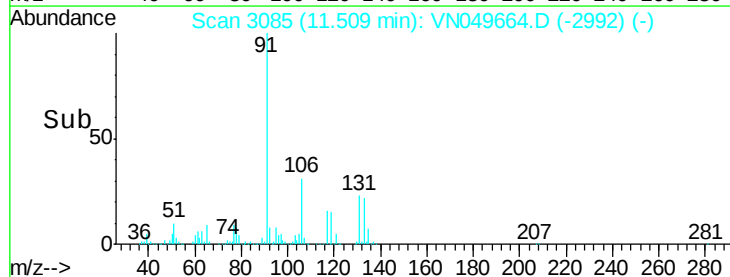
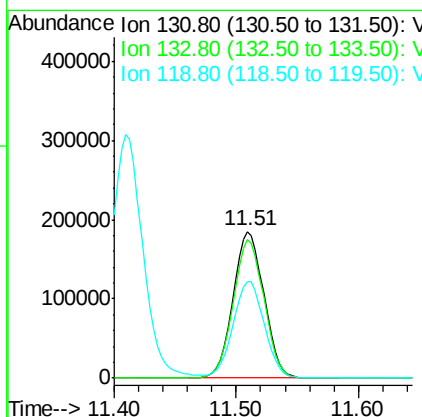
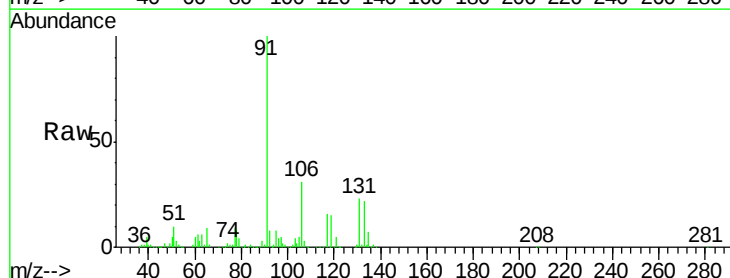
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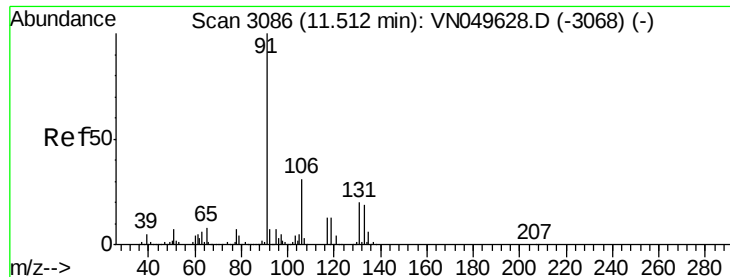
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.84 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion:131 Resp: 323982
Ion Ratio Lower Upper
131 100
133 94.3 47.5 142.6
119 66.9 33.1 99.3





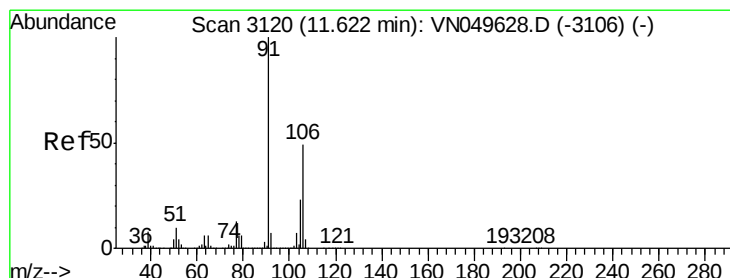
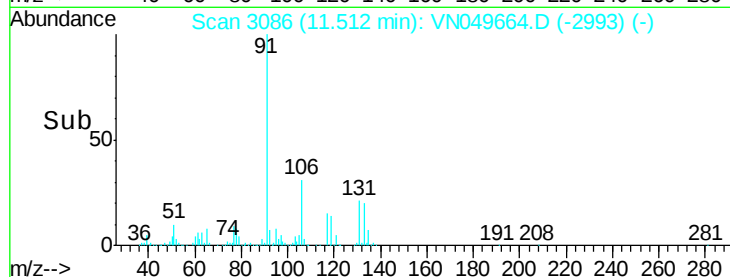
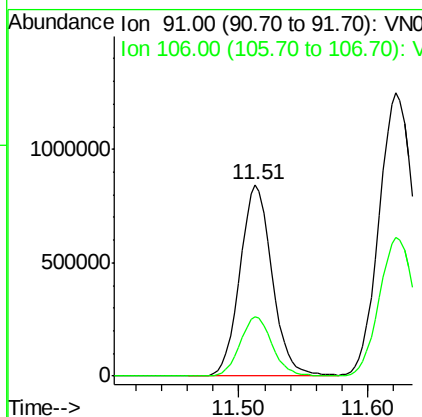
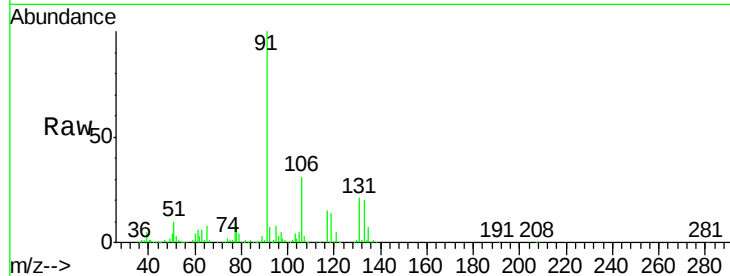
#67
Ethyl Benzene
Concen: 19.57 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion: 91 Resp: 1469743
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2

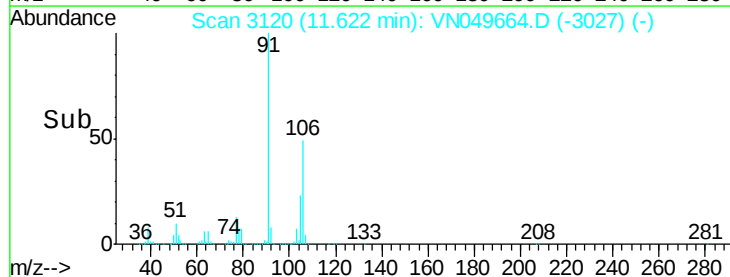
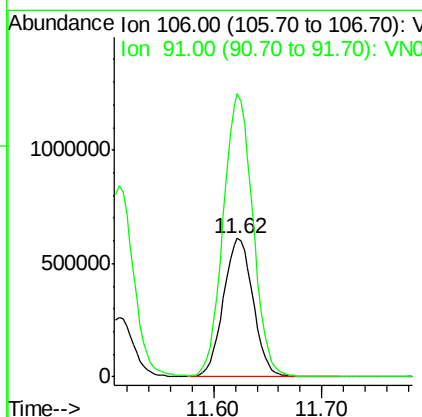
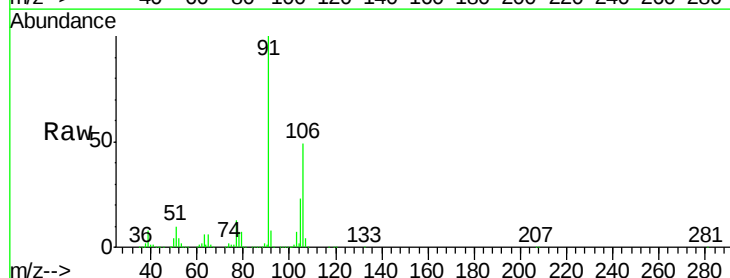
Manual Integrations
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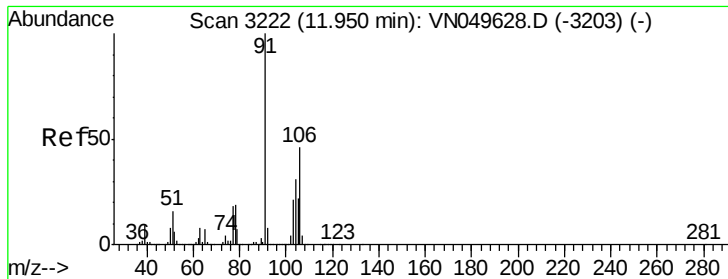
sam
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#68
m/p-Xylenes
Concen: 40.69 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion: 106 Resp: 1171356
Ion Ratio Lower Upper
106 100
91 203.9 163.4 245.2





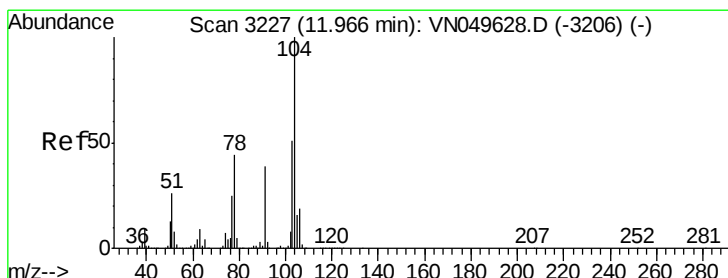
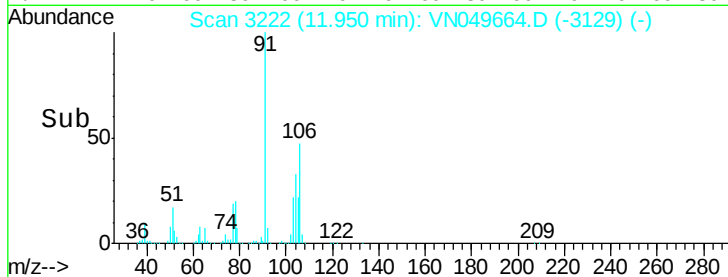
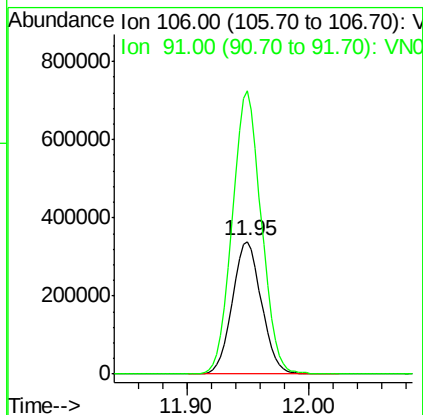
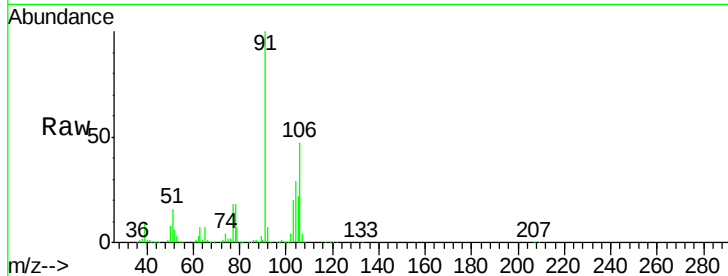
#69
o-Xylene
Concen: 20.43 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion:106 Resp: 563121
Ion Ratio Lower Upper
106 100
91 212.9 108.7 326.1

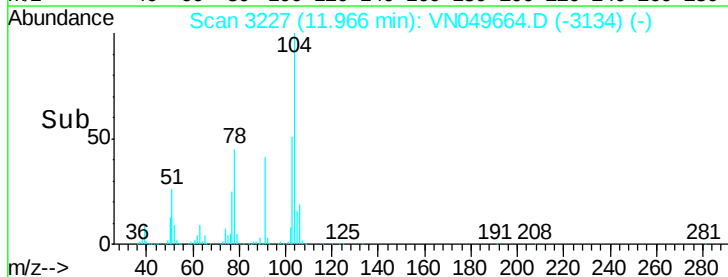
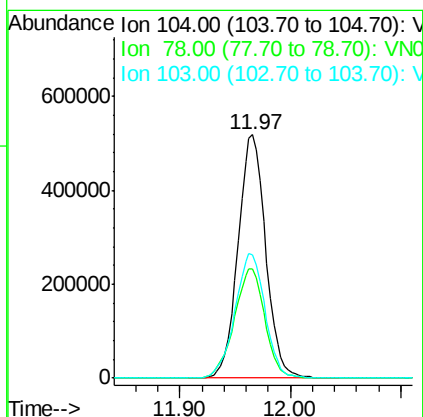
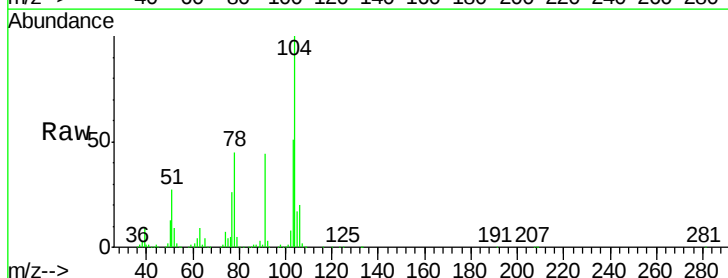
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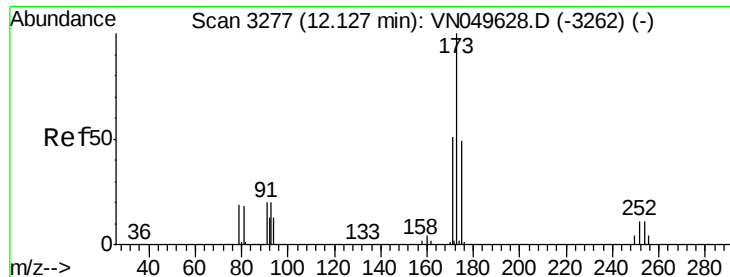
sam
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#70
Styrene
Concen: 20.20 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion:104 Resp: 900899
Ion Ratio Lower Upper
104 100
78 49.5 39.2 58.8
103 55.8 44.6 67.0





#71

Bromoform

Concen: 20.66 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion:173 Resp: 224100

Ion Ratio Lower Upper

173 100

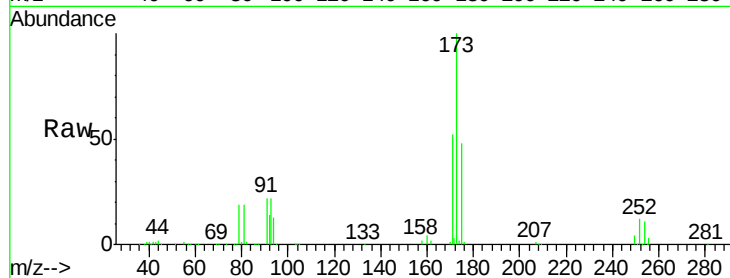
175 48.8 24.6 73.8

254 0.1 0.2 0.2#

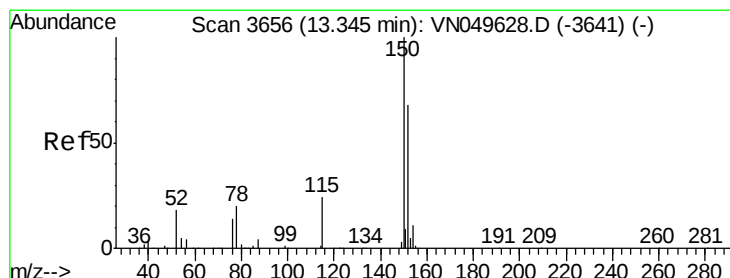
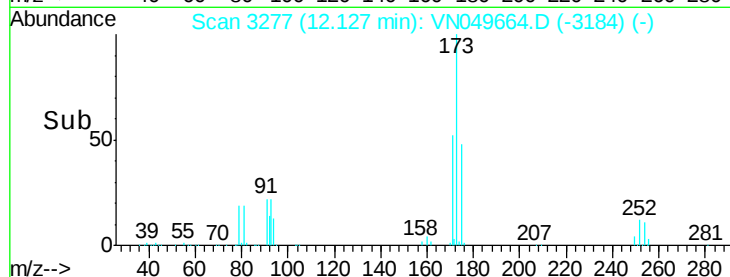
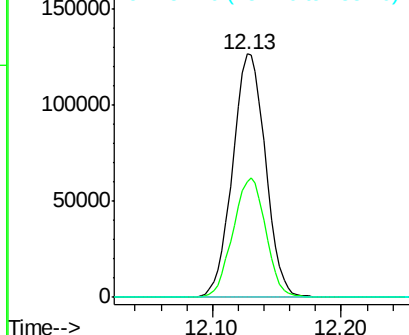
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

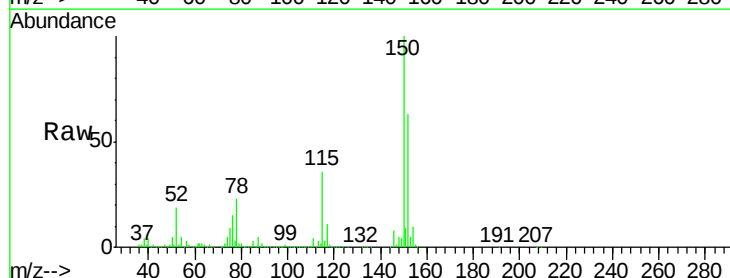
Tgt Ion:152 Resp: 916065

Ion Ratio Lower Upper

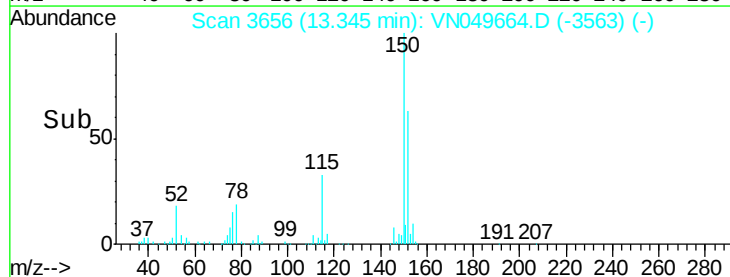
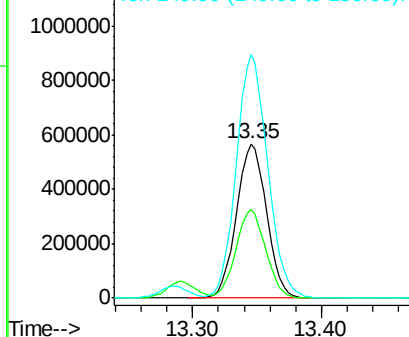
152 100

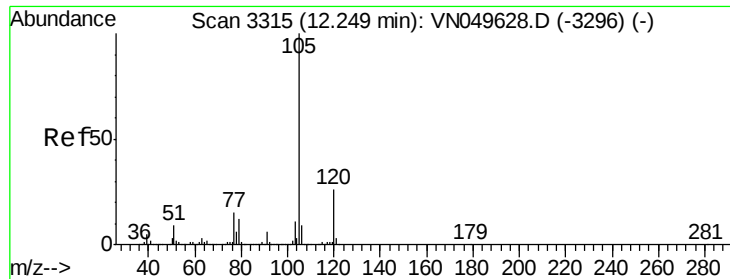
115 56.7 28.1 84.2

150 165.0 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: 20.05 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampled :

VN0702WBSD01

Tot Ion:105 Resp: 1462892

Ion Ratio Lower Upper

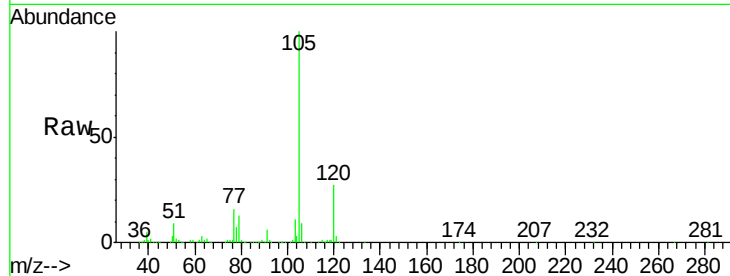
105 100

120 26.7 13.3 39.8

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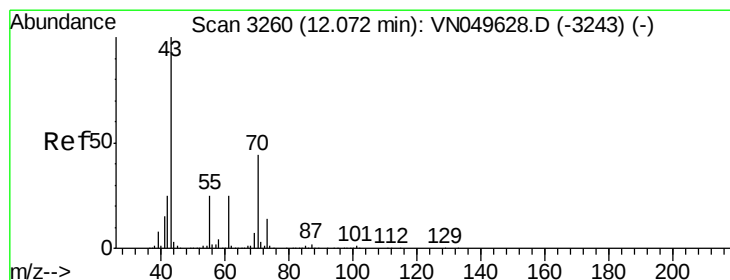
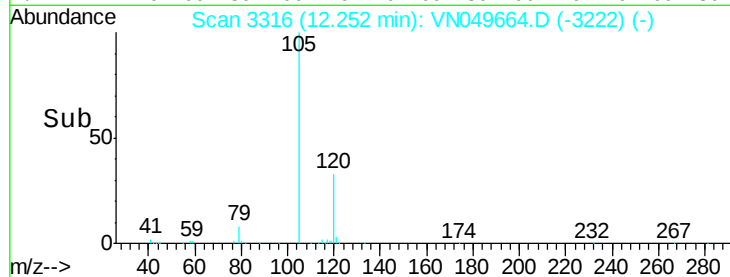
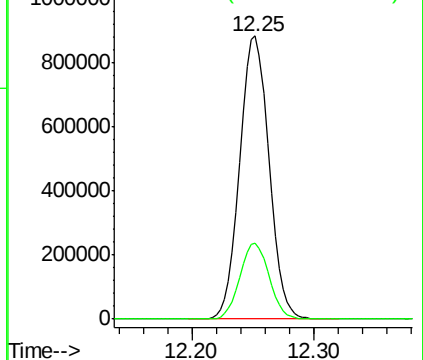
sam

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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: 20.89 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Tgt Ion: 43 Resp: 416367

Ion Ratio Lower Upper

43 100

70 44.0 34.8 52.2

55 26.2 20.9 31.3

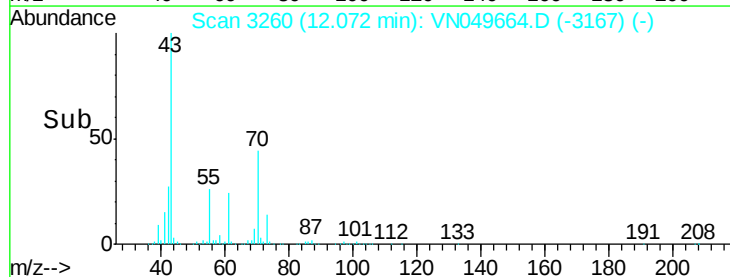
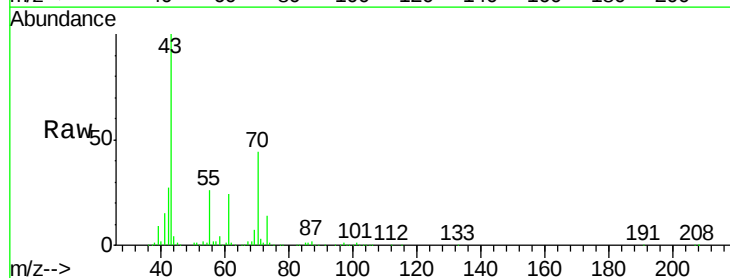
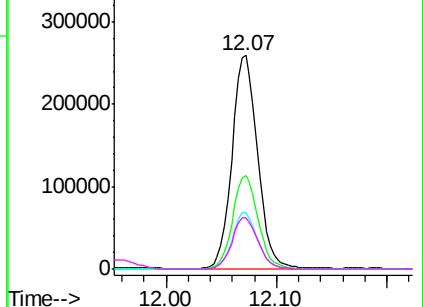
61 24.5 19.9 29.9

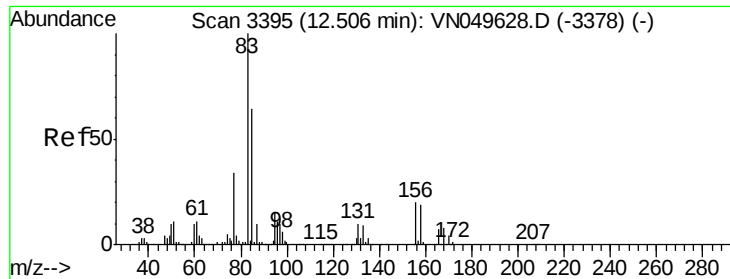
Abundance Ion 43.00 (42.70 to 43.70): V

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: 22.85 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion: 83 Resp: 357778

Ion Ratio Lower Upper

83 100

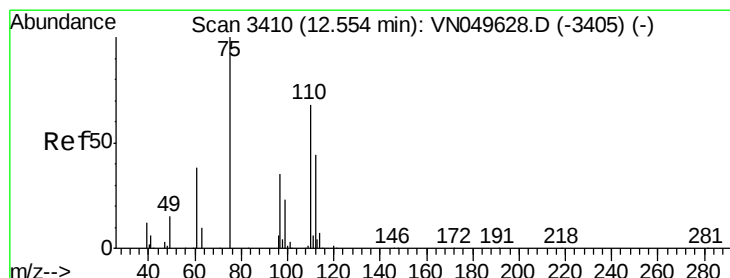
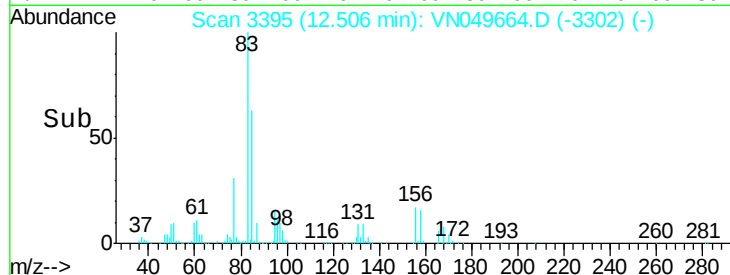
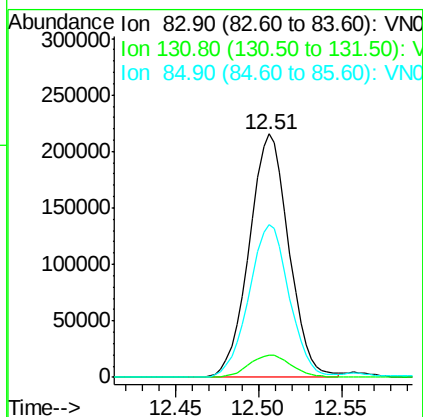
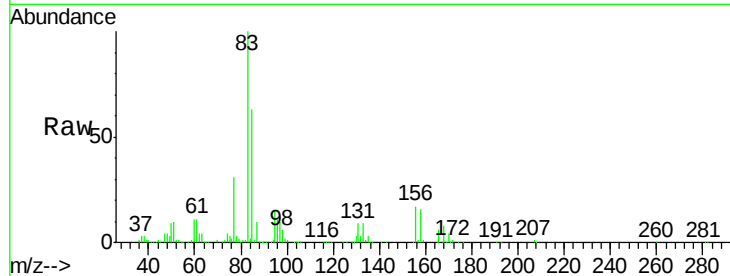
131 9.9 5.2 15.6

85 63.7 32.5 97.4

Manual Integrations
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sam

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#76

1,2,3-Trichloropropane

Concen: 20.56 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049664.D

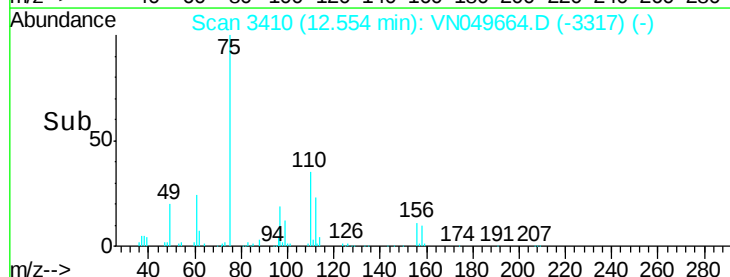
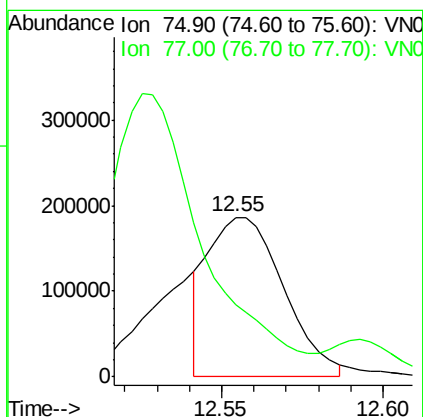
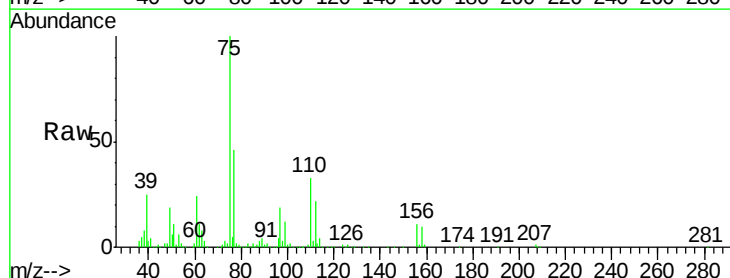
Acq: 2 Jul 2018 13:00

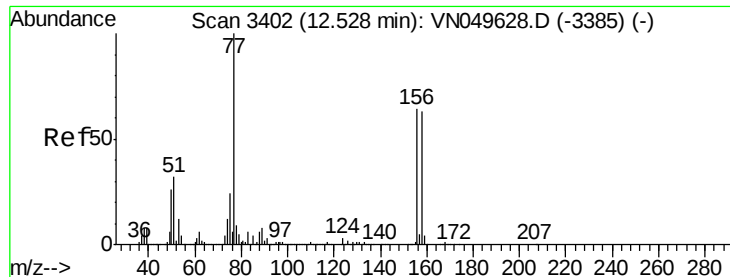
Tgt Ion: 75 Resp: 302079

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.36 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

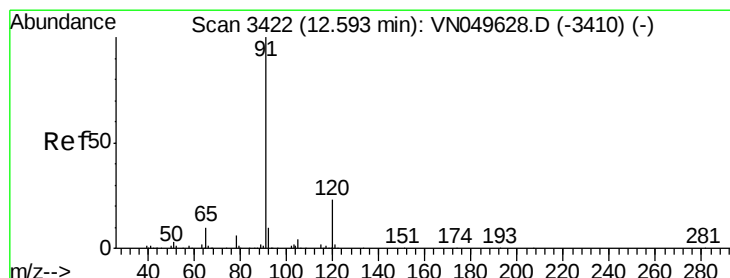
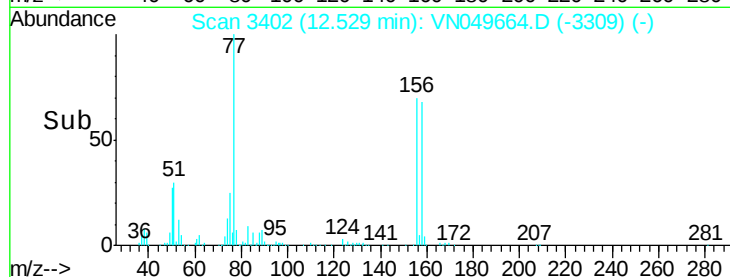
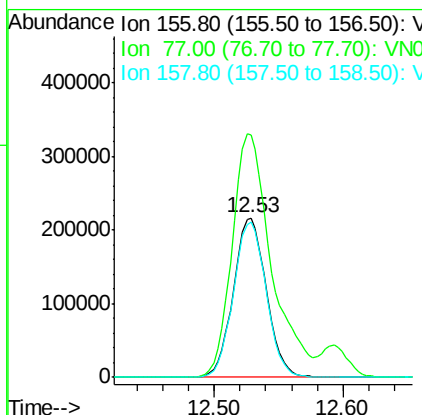
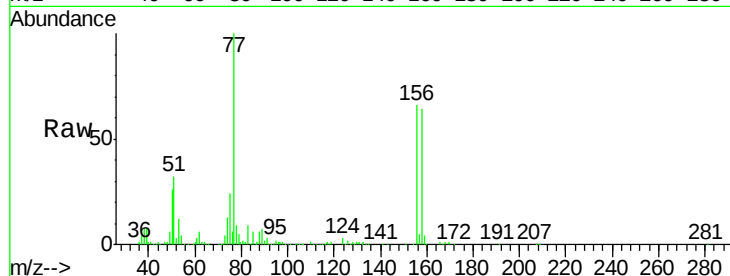
ClientSampleId :

VN0702WBSD01

Tot Ion:	156	Resp:	384103
Ion Ratio	Lower	Upper	
156	100		
77	181.5	90.2	270.6
158	96.9	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.21 ug/l

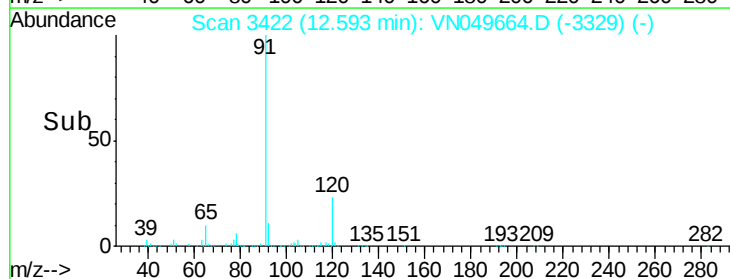
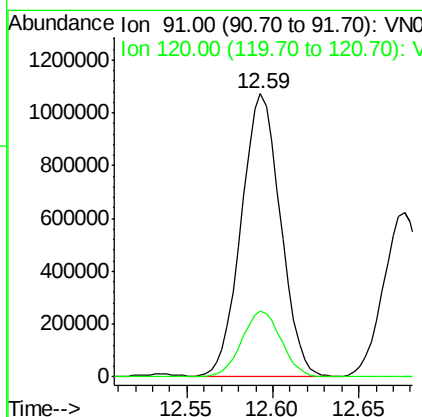
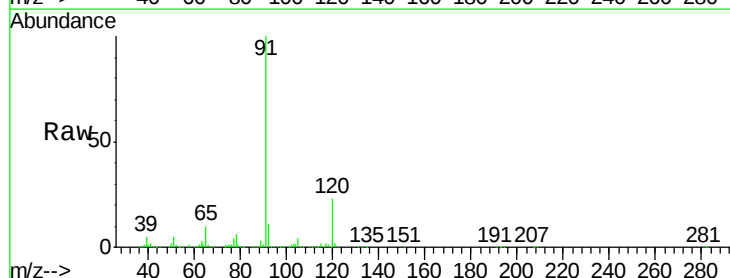
RT: 12.59 min Scan# 3422

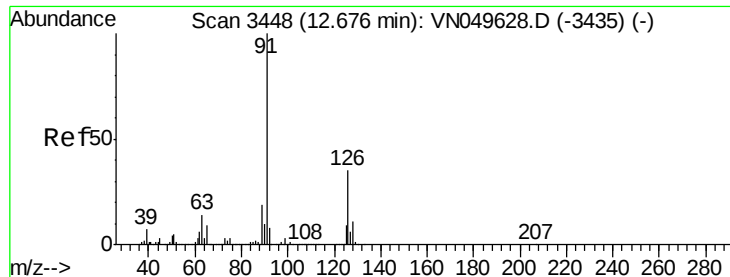
Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Tgt Ion:	91	Resp:	1690214
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.5	34.4





#79

2-Chlorotoluene

Concen: 19.53 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion: 91 Resp: 1033682

Ion Ratio Lower Upper

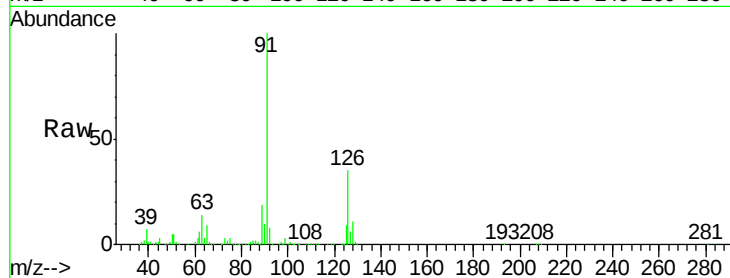
91 100

126 35.2 17.5 52.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049628.D (-3435) (-)

800000

600000

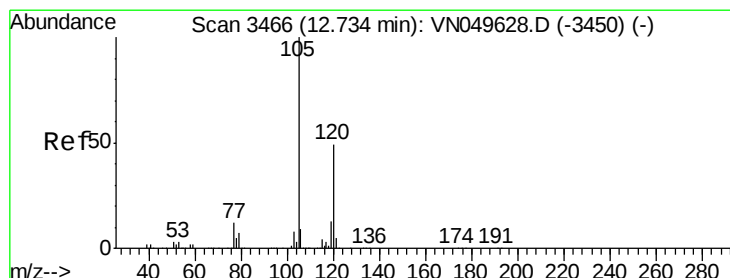
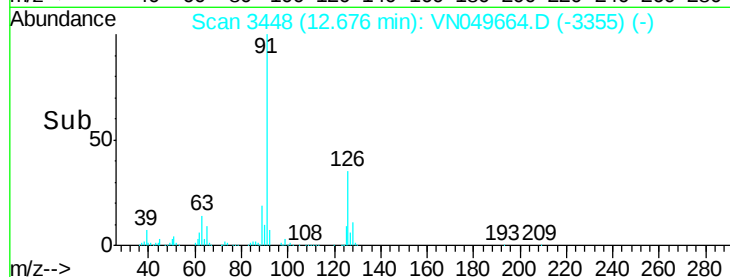
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.72 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049664.D

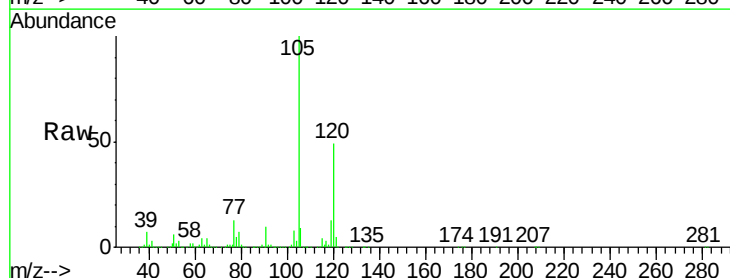
Acq: 2 Jul 2018 13:00

Tgt Ion: 105 Resp: 1256482

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3450) (-)

800000

600000

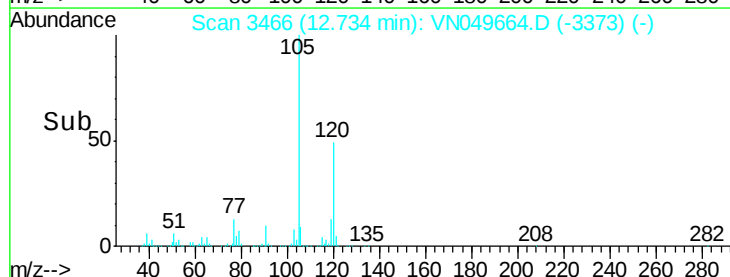
400000

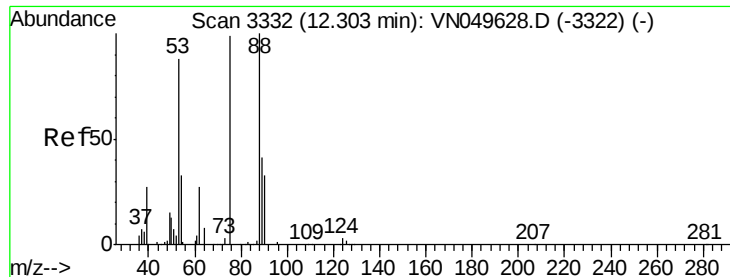
200000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.73 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampled :

VN0702WBSD01

Tot Ion: 75 Resp: 89673

Ion Ratio Lower Upper

75 100

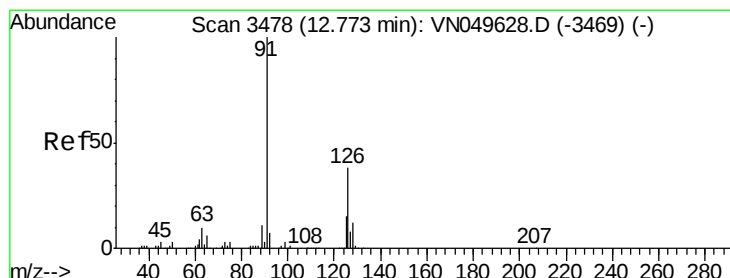
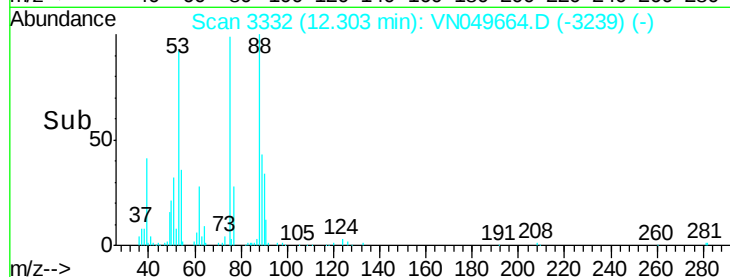
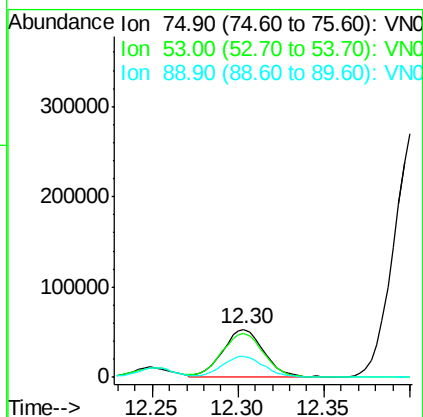
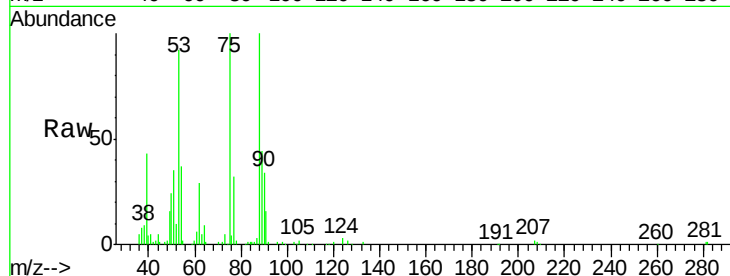
53 92.8 73.9 110.9

89 44.2 35.9 53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.75 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049664.D

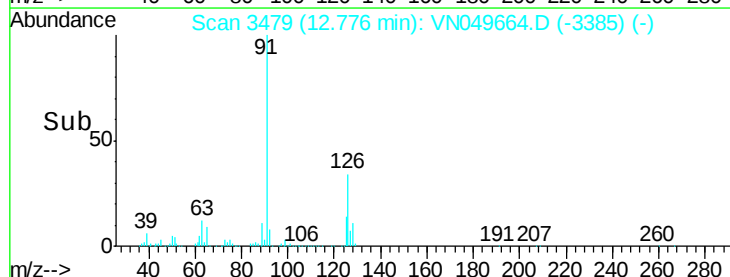
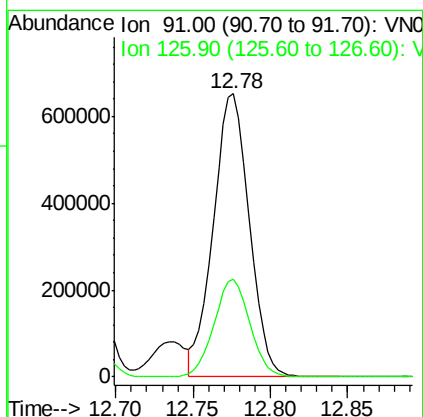
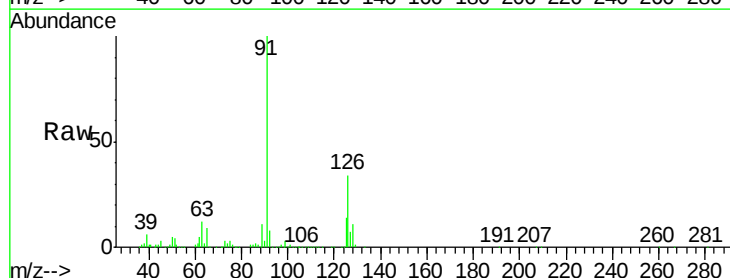
Acq: 2 Jul 2018 13:00

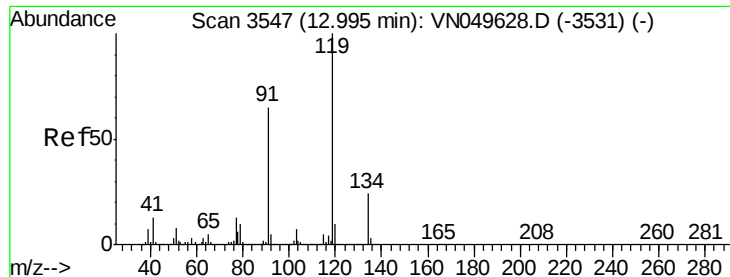
Tgt Ion: 91 Resp: 1051019

Ion Ratio Lower Upper

91 100

126 34.5 17.2 51.6





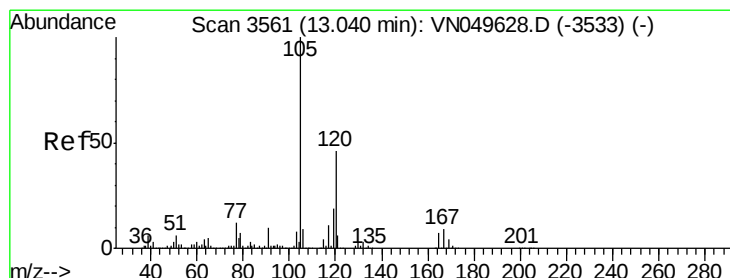
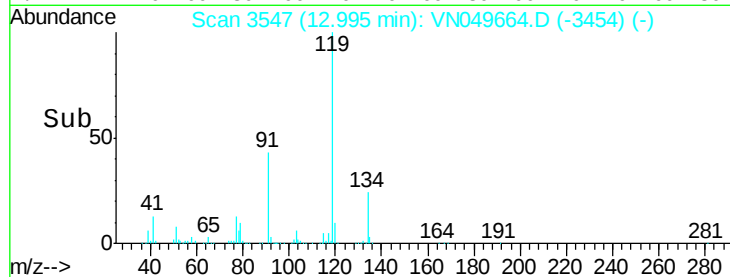
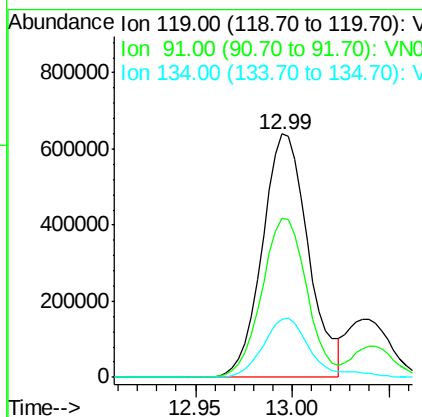
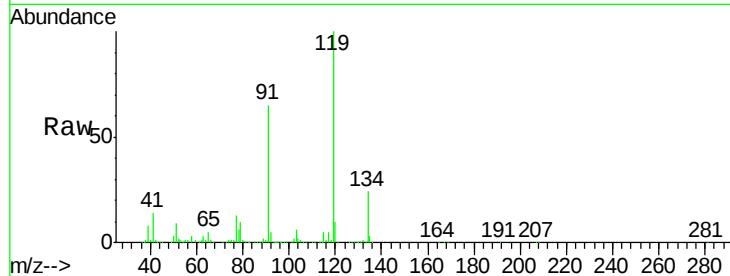
#83
 tert-Butylbenzene
 Concen: 20.26 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBSD01

Tot Ion:119 Resp: 1055268
 Ion Ratio Lower Upper
 119 100
 91 63.9 32.0 96.2
 134 25.2 12.8 38.4

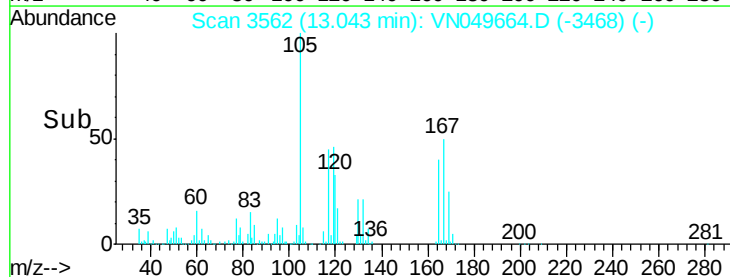
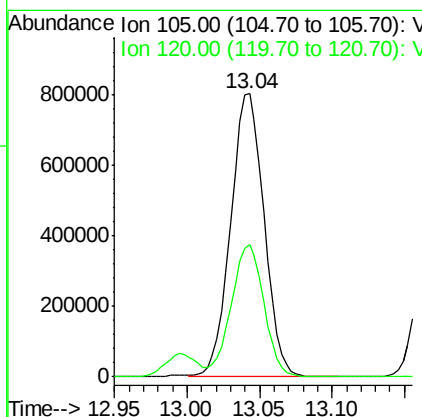
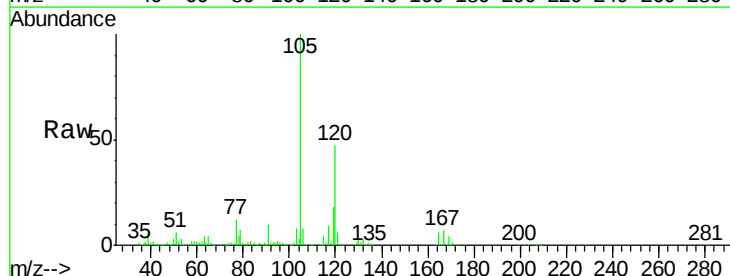
Manual Integrations
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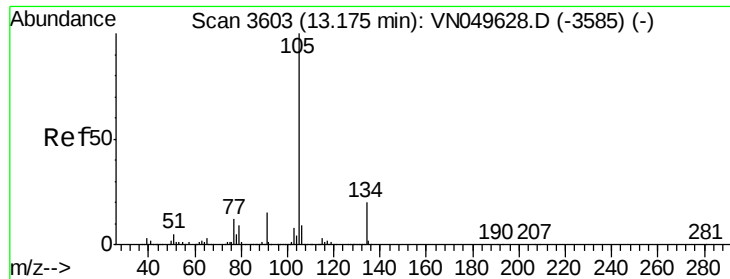
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.56 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion:105 Resp: 1280832
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.28 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

Instrument :

MSVOA_N

ClientSampleId :

VN0702WBSD01

Tot Ion:105 Resp: 1399634

Ion Ratio Lower Upper

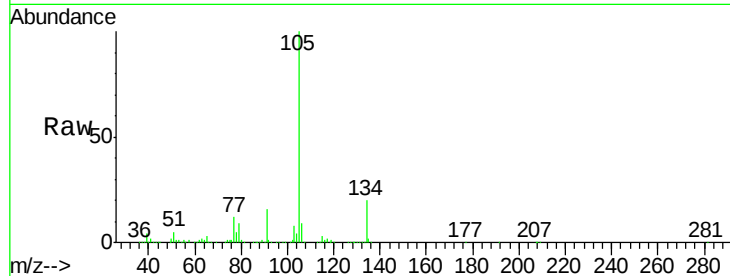
105 100

134 20.5 10.1 30.1

Manual Integrations
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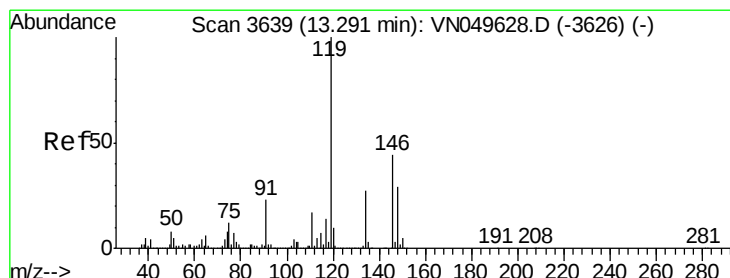
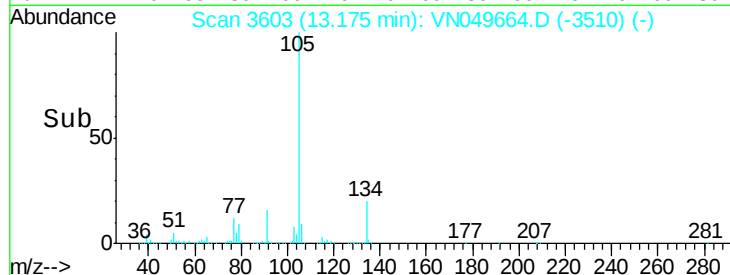
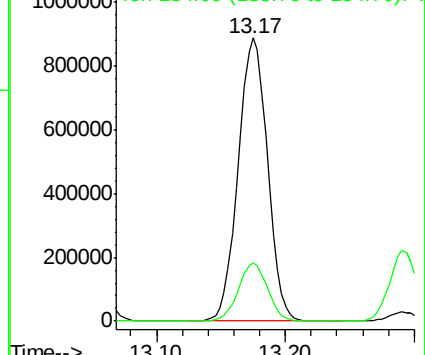
sam

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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: 20.94 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049664.D

Acq: 2 Jul 2018 13:00

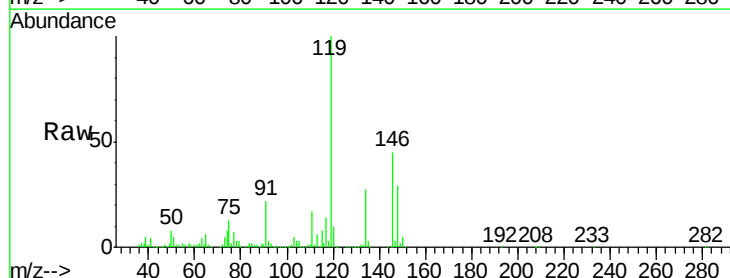
Tgt Ion:119 Resp: 1251978

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

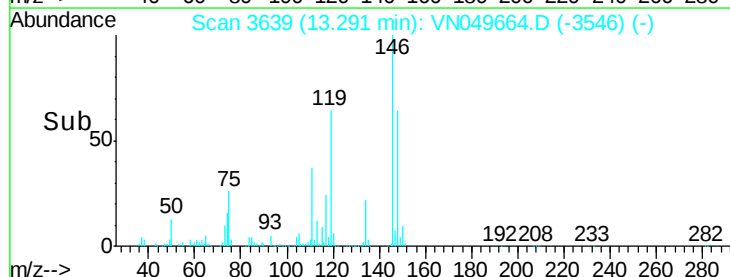
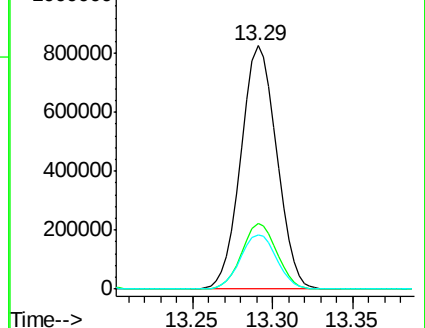
91 22.7 11.4 34.1

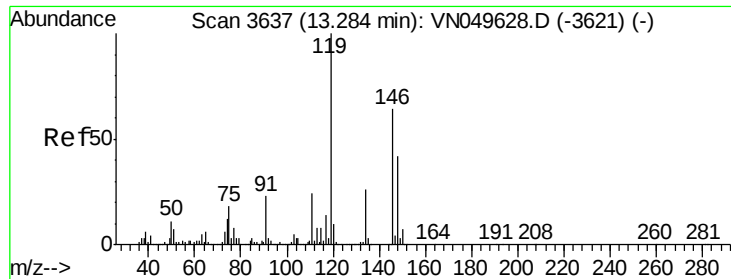


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





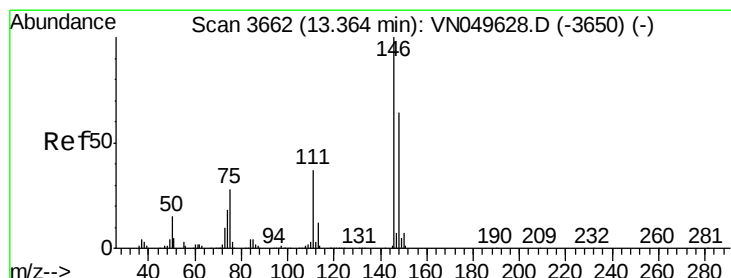
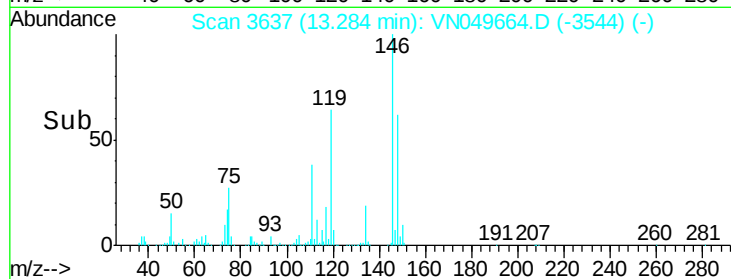
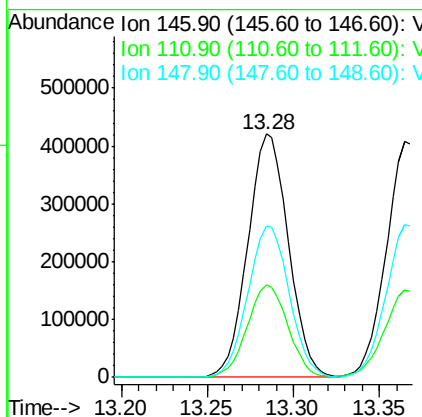
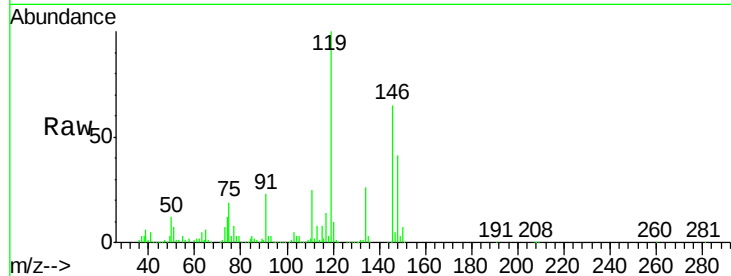
#87
 1,3-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	63.3	32.5	97.5

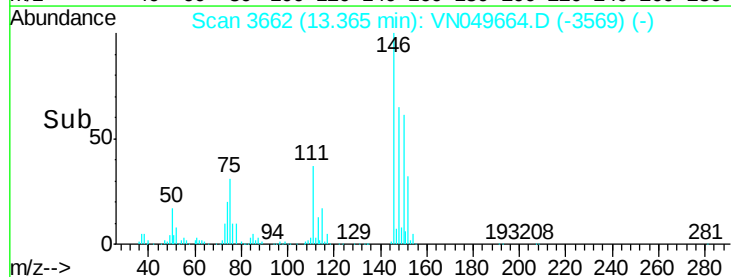
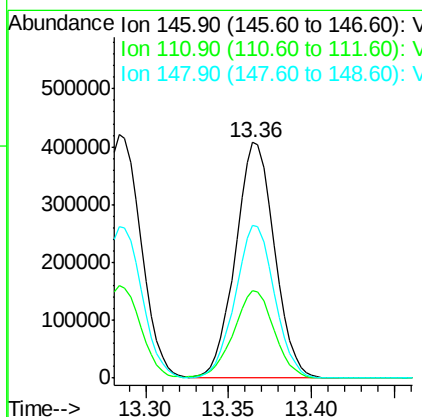
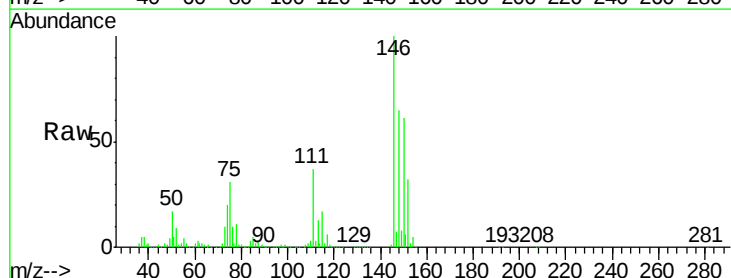
Manual Integrations
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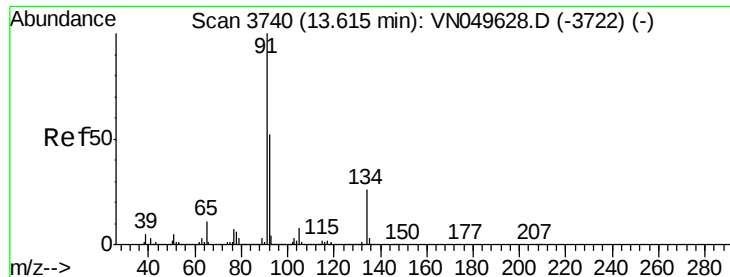
sam
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#88
 1,4-Dichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.5
148	65.2	32.1	96.3





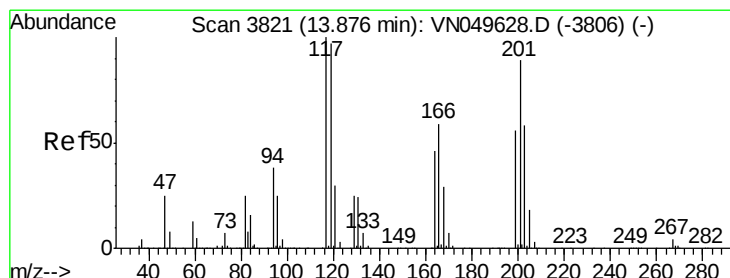
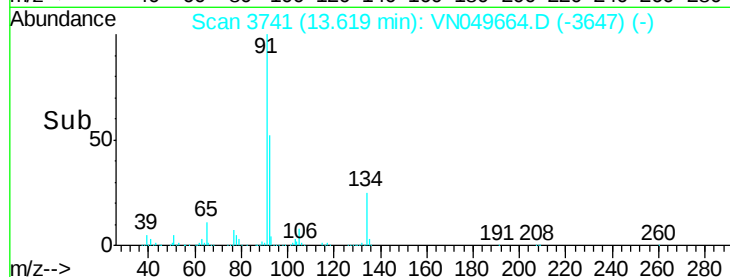
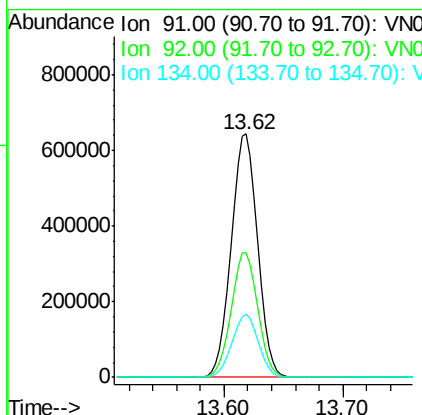
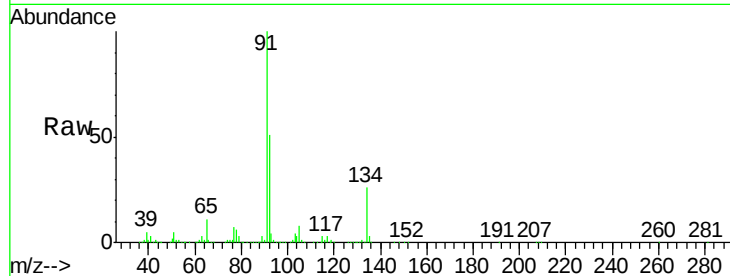
#89
n-Butylbenzene
Concen: 19.25 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampleId :
VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.8	77.3
134	26.0	13.0	38.9

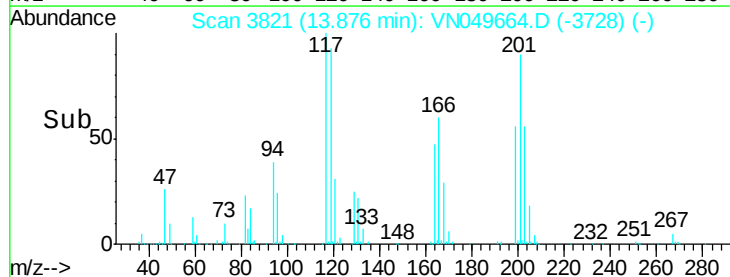
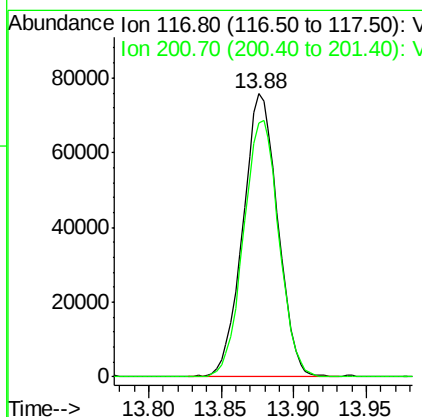
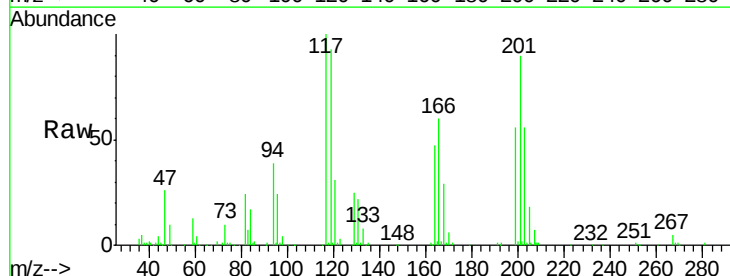
Manual Integrations
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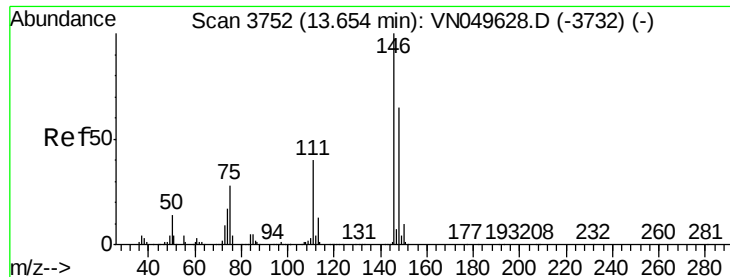
sam
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#90
Hexachloroethane
Concen: 20.22 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.8	45.3	135.8





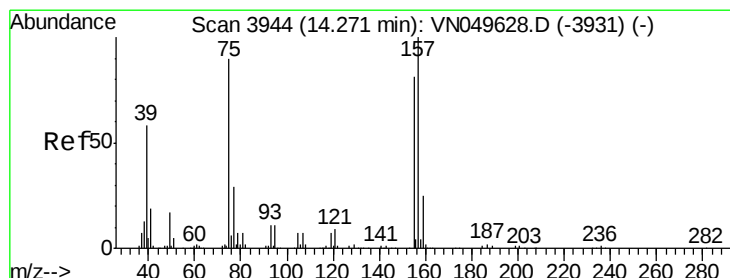
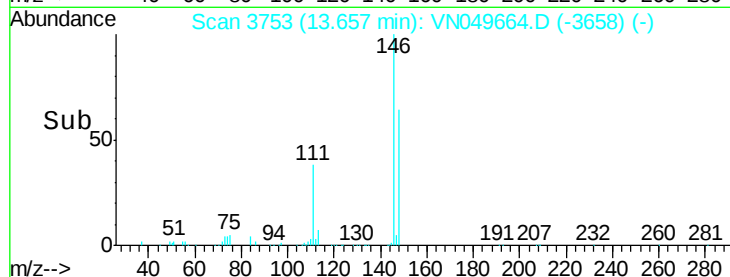
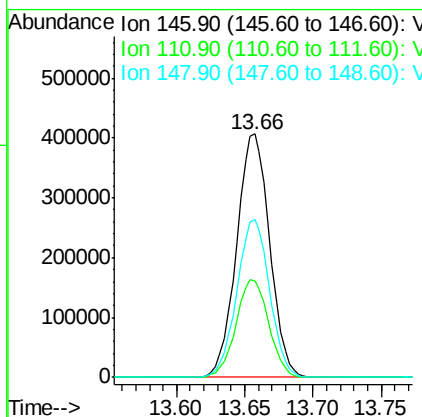
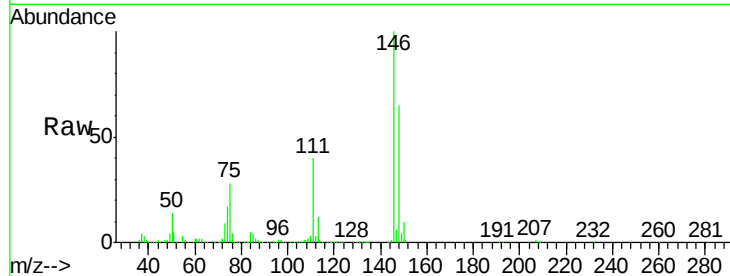
#91
 1,2-Dichlorobenzene
 Concen: 20.50 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0702WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.7	59.1
148	64.3	32.0	96.2

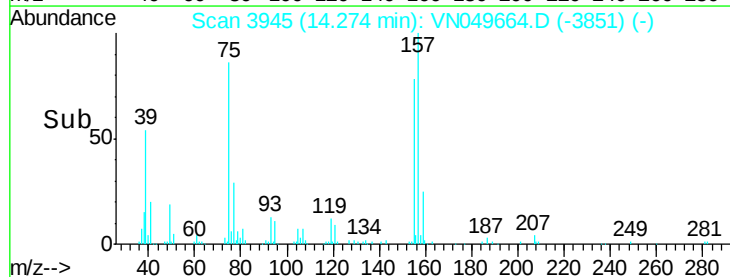
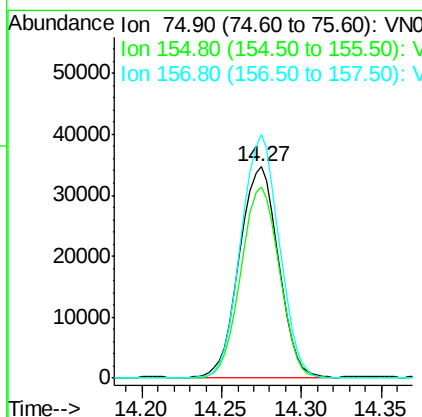
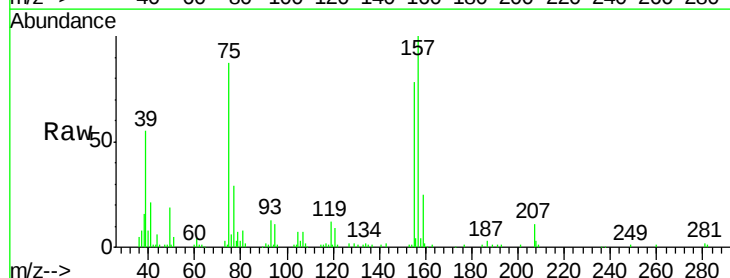
Manual Integrations
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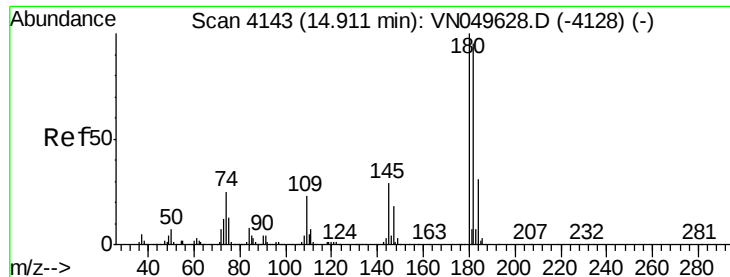
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.29 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	45.7	137.1
157	112.0	56.9	170.7





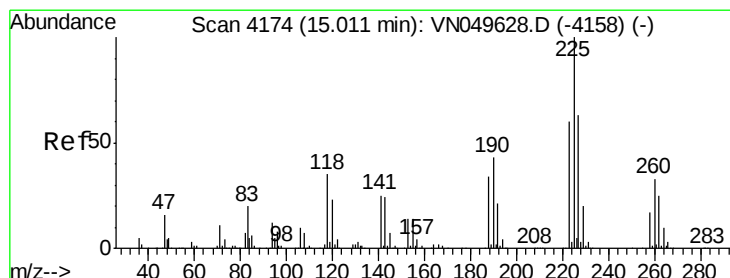
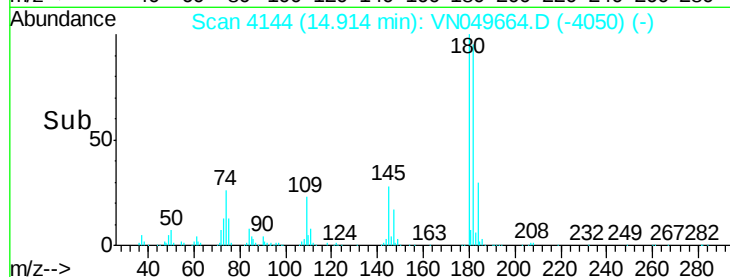
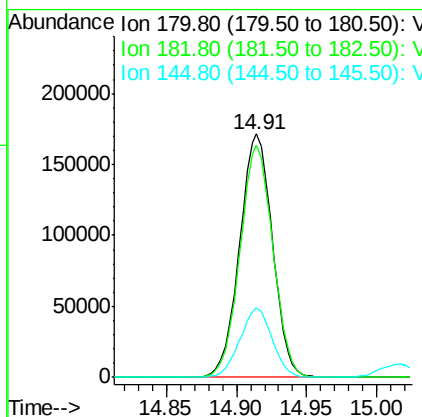
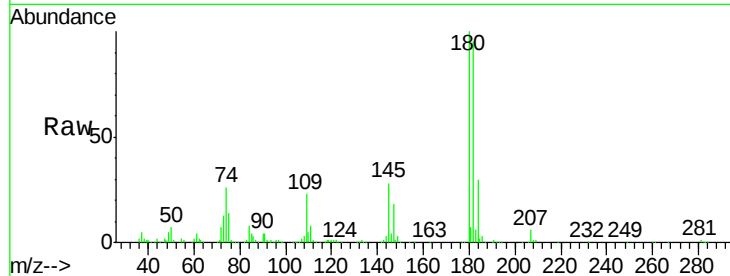
#93
 1,2,4-Trichlorobenzene
 Concen: 18.20 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280033		
182	95.5	47.3	141.9	
145	28.1	14.4	43.0	

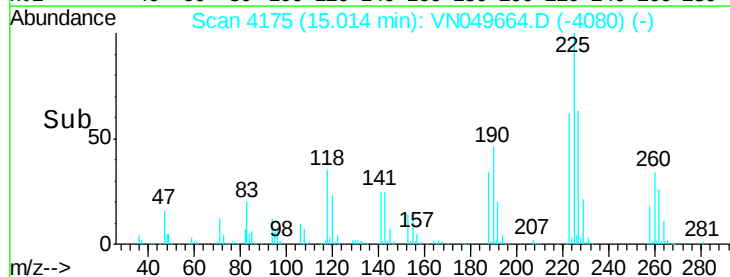
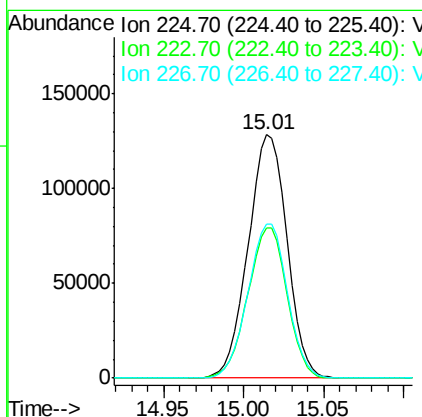
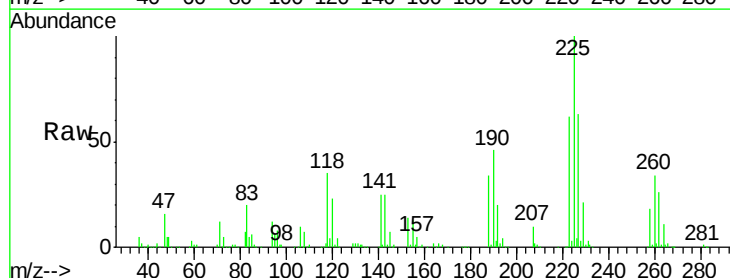
Manual Integrations
 APPROVED

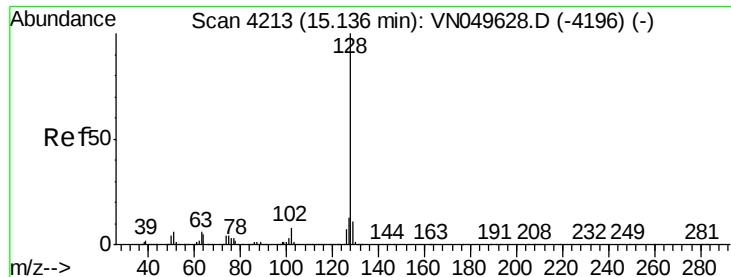
sam
 7/3/2018 3:51:31 PM



#94
 Hexachlorobutadiene
 Concen: 20.73 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049664.D
 Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	214431		
223	62.3	30.9	92.7	
227	64.3	31.8	95.4	





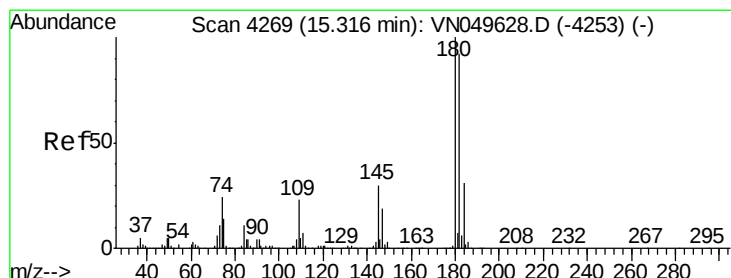
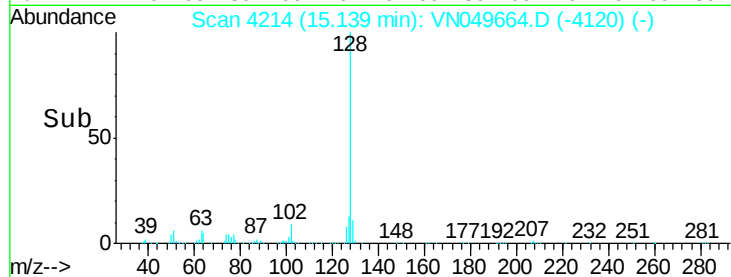
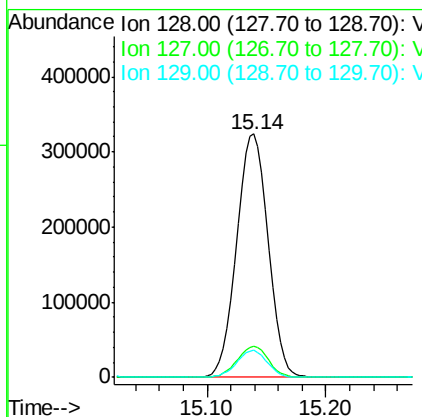
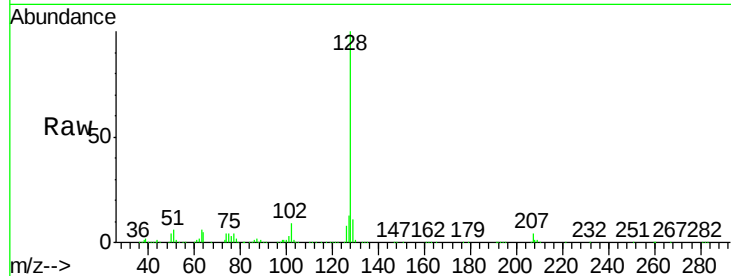
#95
Naphthalene
Concen: 18.69 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Instrument :
MSVOA_N
ClientSampled :
VN0702WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	593107		
127	12.7	10.4	15.6	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

sam
7/3/2018 3:51:31 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.13 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049664.D
Acq: 2 Jul 2018 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	289793		
182	95.0	47.4	142.2	
145	30.6	15.2	45.6	

